

Add Health Wave I ACCRA

Filename: w1accra

Description

This Add Health data file contains ACCRA Cost of Living Index data based on the location of Wave I respondents. ACCRA data are compiled and reported on a quarterly basis by the Council for Community and Economic Research (C2ER, www.c2er.org, formerly the American Chamber of Commerce Research Association). Respondent locations were joined to the ACCRA data in two ways: (1) geographically based on 1990 state and county FIPS codes and (2) temporally based on both the year and quarter of the Wave I interview.

With respect to the geographic coverage of the ACCRA source data, the C2ER Web site states the following:

For 23 years, participation in the ACCRA Cost of Living Index was open to all places, regardless of size. In the late 1980s, however, several rural places with very small populations began participating, and it became apparent that adherence to the specifications in many such places wasn't possible. [S]uch places are qualitatively different from urban areas, and they simply don't support the kind of urban lifestyle embodied in the ACCRA Cost of Living Index.

The Committee has concluded that participation in the Index should be restricted to areas that can reasonably be considered urban and patterned its restrictions after the federal government's distinction between urban and rural areas.

The ACCRA Cost of Living Index Committee adopted the following restrictions, effective June 1991 (including modifications adopted and effective June 1999):

- Participation in the Cost of Living Index is open to all places within federally designated Metropolitan Areas in the United States.
- Participation by places outside MAs is restricted. A city in a nonmetropolitan county may participate if the county population exceeds 50,000 and if the population of the city to be priced exceeds 35,000.

Places that don't meet the population criterion but were participants at the time the criterion was adopted may continue to participate. However, if any such place fails to participate in two consecutive quarters, it is not eligible for further participation.

(Source: <http://www.coli.org/CanIParticipate.asp>)

Associating ACCRA values with respondents required verification of FIPS codes in the ACCRA source file against 1990 FIPS codes used by the U.S. Census Bureau (<http://www.census.gov/population/estimates/metro-city/90mfips.txt>) and the detailed county boundary file from the Data & Maps (D&M) 2000 dataset from Environmental Systems Research Institute (ESRI) in Redlands, CA (www.esri.com). State and county FIPS codes for the U.S. that were common to the ACCRA and ESRI D&M 2000 datasets were used to impute missing county-level ACCRA values for the country as a whole for each quarter in which Wave I respondents were surveyed. For the logic used to impute missing values, see Table 1 below. Respondents' state and county FIPS codes were then identified and merged with the national-level ACCRA data based on Wave I interview date.

**Table 1:
Strategy Used to Impute Missing ACCRA Values**

Imputation Case	Strategy	Imputation Indicator
Respondent's concatenated state and county FIPS code matches ACCRA data for year and quarter in which respondent was surveyed		
1. Only one ACCRA reporting centroid in county	Used ACCRA value for county	W1ACIMI1=0
2. More than one ACCRA centroid in county	Used average of ACCRA values for county	W1ACIMI1=0
County FIPS code does not match, but MSA or non-MSA code does match and ACCRA data are available for year and quarter in which respondent was surveyed		
3. MSA code matches, and only one ACCRA centroid in MSA	Used ACCRA value for MSA	W1ACIMI1=0
4. MSA code matches and more than one centroid in MSA	Used population-weighted average for MSA, whether or not MSA crosses state boundary	W1ACIMI1=0
5. Respondent resides outside an MSA	Used population-weighted non-MSA average for state	W1ACIMI1=1
Neither county FIPS nor MSA code match, but ACCRA data are available for year and quarter in which respondent was surveyed		
6. Respondent resides within an MSA	Used population-weighted MSA average for state	W1ACIMI1=1
7. Respondent resides outside an MSA)	Used population-weighted non-MSA average for state	W1ACIMI1=1
ACCRA data are unavailable at county or MSA level for year and quarter in which respondent was surveyed		
8. ACCRA data available at state level	Used population-weighted average for state	W1ACIMI1=1
ACCRA data are unavailable at county, MSA, or state level for year and quarter in which respondent was surveyed		
9. No data available, even at state level	Used weighted average of two closest quarters, assigning greater weight to value for closest quarter Examples: <ul style="list-style-type: none">• Average (1 quarter back, 1 quarter forward)• Average (2 quarters back * 2/3, 3 quarters forward * 1/3)• Average (2 quarters back * 1/3, 1 quarter forward * 2/3)• Average (1 quarter forward * 2/3, 2 quarters forward * 1/3)	W1ACIMI1=1

Variable Listing

Variable Name	Variable Label and Description
W1AC2CH1	Two-piece fried chicken price
W1ACBER1	ACCRA beer price
W1ACBER2	Brand adjusted beer price

W1ACBER3	Beer divided by the COLCPI product (see W1ACBC1)
W1ACBER4	Brand adjusted beer divided by the COLCPI product (see W1ACBC1)
W1ACBNA1	ACCRA bananas price
W1ACBRD1	ACCRA bread price
W1ACBRG1	ACCRA hamburger price
W1ACCIG1	ACCRA cigarettes price
W1ACEGG1	ACCRA eggs price
W1ACFCH1	ACCRA frying chicken price
W1ACGBF1	ACCRA ground beef price
W1ACLET1	ACCRA lettuce price
W1ACLET2	Brand adjusted lettuce price
W1ACLQR1	ACCRA liquor price
W1ACLQR2	Brand adjusted liquor price
W1ACLQR3	Liquor divided by the COLCPI product (see W1ACBC1)
W1ACLQR4	Brand adjusted liquor divided by the COLCPI product (see W1ACBC1)
W1ACMLK1	ACCRA whole milk price
W1ACMRG1	ACCRA margarine price
W1ACPOT1	ACCRA potatoes price
W1ACPRM1	ACCRA parmesan cheese price
W1ACPZA1	ACCRA pizza price
W1ACSAU1	ACCRA sausage price
W1ACSDA1	ACCRA soft drink price
W1ACSTK1	ACCRA steak price
W1ACTNA1	ACCRA tuna price
W1ACWIN1	ACCRA wine price
W1ACWIN2	Brand adjusted wine price
W1ACWIN3	Wine divided by the COLCPI product (see W1ACBC1)
W1ACWIN4	Brand adjusted wine divided by the COLCPI product (see W1ACBC1)
W1ACCGR1	COLI groceries (weighted food price) Grocery cost = (bacon * 0.1030) + (bananas * 0.0779) + (bread * 0.1565) + (dozen eggs * 0.0205) + (frying chicken * 0.0858) + (half gallon of milk * 0.0939) + (lettuce * 0.0391) + (margarine * 0.0579) + (parmesan cheese * 0.0578) + (potatoes * 0.0391) + (steak * 0.1020) + (tuna * 0.0646) The weights for grocery cost add up to 0.8981.
W1ACCJK1	COLI junk food (weighted food price) Junk food cost = (hamburger sandwich * 0.3333333) + (two-piece fried chicken * 0.3333333) + (pizza * 0.3333333)
W1ACCOL1	Cost of Living Index (COLI)
W1ACCPI1	Bureau of Labor Statistics Consumer Price Index (BLS CPI)
W1ACBC1	ACCRA Cost of Living (see W1ACCOL1) and Bureau of Labor Statistics Consumer Price Index (see W1ACCPI1) product $COLCPI = COLI * BLS CPI$
W1ACIMI1	Imputation Indicator 0= No, imputation 1= Yes, imputation

Wave I - ACCRA Data

Number of observations: 20,745

AID		Char	Respondent identifier NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	10316654	
1	0%	10316952	
1	0%	10506342	
1	0%	10570810	
1	0%	10606128	
20735	100%	Values omitted	Values omitted
1	0%	99886995	
1	0%	99886996	
1	0%	99886997	
1	0%	99886998	
1	0%	99886999	

W1AC2CH1		Num	Two-piece fried chicken NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
192	1%	1.60	
74	0%	1.68	
105	1%	1.79	
94	0%	1.80	
3	0%	1.81	
19692	95%	1.83-2.65	NOTE: Range of values omitted from display

4	0%	2.70	
111	1%	2.72	
143	1%	2.73	
102	0%	2.77	
225	1%	2.87	

W1ACBER1		Num	Beer NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
80	0%	3.39	
154	1%	3.51	
2	0%	3.52	
119	1%	3.53	
3	0%	3.54	
19896	96%	3.56-5.29	NOTE: Range of values omitted from display
33	0%	5.38	
146	1%	5.39	
154	1%	5.46	
88	0%	5.50	
70	0%	5.54	

W1ACBER2		Num	Brand adjusted beer price NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
80	0%	3.36	
154	1%	3.47	
2	0%	3.48	
119	1%	3.49	
3	0%	3.50	

19896	96%	3.52-5.23	NOTE: Range of values omitted from display
33	0%	5.33	
146	1%	5.34	
154	1%	5.41	
88	0%	5.45	
70	0%	5.48	

W1ACBER3		Num	Beer divided by the COLCPI product NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
513	2%	1.29	
13	0%	1.30	
128	1%	1.32	
322	2%	1.50	
48	0%	1.67	
19140	92%	1.72-3.26	NOTE: Range of values omitted from display
141	1%	3.27	
191	1%	3.36	
33	0%	3.37	
146	1%	3.52	
70	0%	3.53	

W1ACBER4		Num	Brand adjusted beer divided by the COLCPI product NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
526	3%	1.28	
128	1%	1.31	
312	2%	1.48	
10	0%	1.49	

48	0%	1.65	
19039	92%	1.7-3.18	NOTE: Range of values omitted from display
101	0%	3.22	
141	1%	3.24	
191	1%	3.32	
33	0%	3.34	
216	1%	3.49	

W1ACBNA1		Num	Bananas NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
3	0%	0.25	
300	1%	0.33	
445	2%	0.34	
20	0%	0.35	
393	2%	0.36	
18856	91%	.37-.71	NOTE: Range of values omitted from display
322	2%	0.72	
128	1%	0.76	
16	0%	0.87	
120	1%	0.90	
142	1%	0.91	

W1ACBRD1		Num	Bread NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
3	0%	0.40	
76	0%	0.50	
7	0%	0.54	

168	1%	0.55	
443	2%	0.56	
18524	89%	.57-1.33	NOTE: Range of values omitted from display
918	4%	1.34	
328	2%	1.38	
16	0%	2.24	
120	1%	2.33	
142	1%	2.38	

W1ACBRG1		Num	Hamburger NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
113	1%	0.99	
40	0%	1.00	
2	0%	1.32	
13	0%	1.47	
1	0%	1.49	
19502	94%	1.58-2.65	NOTE: Range of values omitted from display
10	0%	2.66	
111	1%	2.68	
312	2%	2.77	
513	2%	2.81	
128	1%	2.82	

W1ACCIG1		Num	Cigarettes NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
148	1%	12.74	
12	0%	12.78	

217	1%	12.82	
1	0%	12.95	
125	1%	13.05	
19580	94%	13.07-21.58	NOTE: Range of values omitted from display
4	0%	21.77	
4	0%	21.81	
128	1%	21.83	
13	0%	22.20	
513	2%	22.33	

W1ACEGG1		Num	Eggs NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
105	1%	0.48	
192	1%	0.57	
306	1%	0.60	
598	3%	0.61	
5	0%	0.63	
18236	88%	.64-1.75	NOTE: Range of values omitted from display
1198	6%	1.78	
54	0%	1.81	
1	0%	1.93	
2	0%	1.97	
48	0%	2.00	

W1ACFCH1		Num	Frying chicken NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
68	0%	0.54	

125	1%	0.55	
1	0%	0.59	
121	1%	0.61	
15	0%	0.63	
19482	94%	.65-1.23	NOTE: Range of values omitted from display
143	1%	1.25	
128	1%	1.26	
120	1%	1.31	
13	0%	1.33	
529	3%	1.44	

W1ACGBF1		Num	Ground beef NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
68	0%	0.86	
1	0%	0.92	
1	0%	0.95	
10	0%	0.98	
113	1%	0.99	
18560	89%	1.04-2.04	NOTE: Range of values omitted from display
17	0%	2.06	
378	2%	2.07	
163	1%	2.20	
516	2%	2.36	
918	4%	2.39	

W1ACLET1		Num	Lettuce NOTE: Smallest 5 and largest 5 values are displayed.
-----------------	--	-----	---

Frequency	Percent	Value	Label
97	0%	0.59	
76	0%	0.60	
70	0%	0.61	
205	1%	0.64	
54	0%	0.65	
19317	93%	.66-2.46	NOTE: Range of values omitted from display
1	0%	2.49	
371	2%	2.51	
1	0%	2.54	
40	0%	2.66	
513	2%	2.92	

W1ACLET2		Num	Brand adjusted lettuce price NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
97	0%	0.63	
76	0%	0.64	
70	0%	0.65	
205	1%	0.68	
54	0%	0.69	
19317	93%	.70-2.61	NOTE: Range of values omitted from display
1	0%	2.65	
371	2%	2.68	
1	0%	2.70	
40	0%	2.83	
513	2%	3.11	

W1ACLQR1		Num	Liquor NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
170	1%	14.24	
162	1%	14.29	
126	1%	14.54	
70	0%	14.55	
2	0%	14.59	
18748	90%	14.8-19.68	NOTE: Range of values omitted from display
142	1%	19.85	
7	0%	19.99	
670	3%	20.32	
278	1%	20.95	
370	2%	20.99	

W1ACLQR2		Num	Brand adjusted liquor price NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
170	1%	7.97	
162	1%	8.00	
126	1%	8.14	
70	0%	8.15	
2	0%	8.17	
18748	90%	8.29-11.02	NOTE: Range of values omitted from display
142	1%	11.12	
7	0%	11.19	
670	3%	11.38	
278	1%	11.73	

370	2%	11.75	
-----	----	-------	--

W1ACLQR3		Num	Liquor divided by the COLCPI product NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
513	2%	5.02	
13	0%	5.38	
128	1%	5.42	
10	0%	5.99	
312	2%	6.06	
19394	93%	6.93-14.31	NOTE: Range of values omitted from display
5	0%	14.37	
4	0%	14.38	
3	0%	14.55	
187	1%	15.02	
176	1%	15.16	

W1ACLQR4		Num	Brand adjusted liquor divided by the COLCPI product NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
513	2%	2.81	
13	0%	3.01	
128	1%	3.04	
10	0%	3.35	
312	2%	3.40	
19392	93%	3.88-7.97	NOTE: Range of values omitted from display
2	0%	8.01	
9	0%	8.05	
3	0%	8.15	

187	1%	8.41	
176	1%	8.49	

W1ACMLK1		Num	Whole milk NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	1.06	
203	1%	1.08	
443	2%	1.10	
443	2%	1.14	
211	1%	1.15	
18877	91%	1.16-1.76	NOTE: Range of values omitted from display
90	0%	1.77	
199	1%	1.78	
16	0%	2.19	
120	1%	2.22	
142	1%	2.24	

W1ACMRG1		Num	Margarine NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	0.47	
110	1%	0.49	
450	2%	0.50	
155	1%	0.51	
331	2%	0.52	
18483	89%	.53-1.06	NOTE: Range of values omitted from display
120	1%	1.07	
142	1%	1.08	

513	2%	1.09	
312	2%	1.12	
128	1%	1.17	

W1ACPOT1		Num	Potatoes NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0%	1.33	
1	0%	1.36	
48	0%	1.38	
104	1%	1.44	
74	0%	1.47	
19993	96%	1.56-4.23	NOTE: Range of values omitted from display
16	0%	4.36	
120	1%	4.39	
142	1%	4.40	
143	1%	4.58	
102	0%	4.74	

W1ACPRM1		Num	Parmesan cheese NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	2.93	
5	0%	2.94	
163	1%	2.95	
196	1%	2.97	
443	2%	2.98	
18709	90%	2.99-4.27	NOTE: Range of values omitted from display
312	2%	4.30	

513	2%	4.32	
141	1%	4.39	
120	1%	4.72	
142	1%	5.09	

W1ACPZA1		Num	Pizza NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
18	0%	6.24	
80	0%	6.49	
129	1%	6.50	
320	2%	6.69	
320	2%	6.99	
18671	90%	7.17-9.99	NOTE: Range of values omitted from display
212	1%	10.20	
2	0%	10.26	
870	4%	10.42	
4	0%	10.49	
119	1%	10.59	

W1ACSAU1		Num	Sausage NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
185	1%	1.84	
2	0%	1.94	
155	1%	1.97	
124	1%	1.99	
2	0%	2.03	
19858	96%	2.04-3.83	NOTE: Range of values omitted from display

13	0%	3.91	
128	1%	3.98	
142	1%	4.44	
120	1%	4.46	
16	0%	4.49	

W1ACSDA1		Num	Soft drink NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	0.76	
225	1%	0.82	
4	0%	0.89	
105	1%	0.90	
10	0%	0.91	
19940	96%	.92-1.61	NOTE: Range of values omitted from display
120	1%	1.64	
145	1%	1.65	
68	0%	1.80	
125	1%	1.81	
2	0%	1.83	

W1ACSTK1		Num	Steak NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
10	0%	3.92	
5	0%	3.96	
7	0%	4.19	
2	0%	4.27	
11	0%	4.31	

19743	95%	4.4-7.62	NOTE: Range of values omitted from display
1	0%	8.04	
13	0%	8.49	
312	2%	9.01	
513	2%	9.34	
128	1%	9.76	

W1ACTNA1		Num	Tuna NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
97	0%	0.49	
68	0%	0.50	
2	0%	0.52	
75	0%	0.53	
430	2%	0.54	
19082	92%	.55-1.14	NOTE: Range of values omitted from display
10	0%	1.19	
312	2%	1.21	
13	0%	1.31	
513	2%	1.32	
143	1%	1.41	

W1ACWIN1		Num	Wine NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0%	3.79	
6	0%	3.87	
1	0%	3.96	
2	0%	3.97	

3	0%	3.99	
20439	99%	4.04-6.34	NOTE: Range of values omitted from display
138	1%	6.41	
32	0%	6.45	
10	0%	6.48	
111	1%	6.74	
1	0%	7.36	

W1ACWIN2		Num	Brand adjusted wine price NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0%	4.14	
6	0%	4.22	
1	0%	4.32	
2	0%	4.33	
3	0%	4.35	
20439	99%	4.4-6.91	NOTE: Range of values omitted from display
138	1%	6.99	
32	0%	7.03	
10	0%	7.06	
111	1%	7.35	
1	0%	8.02	

W1ACWIN3		Num	Wine divided by the COLCPI product NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	1.71	
328	2%	1.76	
513	2%	1.78	

48	0%	1.80	
13	0%	1.86	
19623	95%	1.9-4.21	NOTE: Range of values omitted from display
124	1%	4.33	
10	0%	4.46	
32	0%	4.53	
52	0%	4.59	
1	0%	4.95	

W1ACWIN4		Num	Brand adjusted wine divided by the COLCPI product NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	1.87	
328	2%	1.93	
513	2%	1.94	
48	0%	1.97	
13	0%	2.03	
19623	95%	2.07-4.59	NOTE: Range of values omitted from display
124	1%	4.72	
10	0%	4.86	
32	0%	4.94	
52	0%	5.01	
1	0%	5.39	

W1ACCCR1		Num	COLI groceries (weighted food price) NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0%	1.40	
259	1%	1.44	

42	0%	1.45	
171	1%	1.47	
106	1%	1.48	
18934	91%	1.5-2.36	NOTE: Range of values omitted from display
328	2%	2.40	
513	2%	2.48	
128	1%	2.49	
120	1%	2.53	
142	1%	2.59	

W1ACCJK1		Num	COLI junk food (weighted food price) NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
5	0%	3.20	
18	0%	3.31	
320	2%	3.52	
204	1%	3.56	
19	0%	3.66	
18021	87%	3.68-4.77	NOTE: Range of values omitted from display
316	2%	4.80	
641	3%	4.81	
212	1%	4.85	
119	1%	4.92	
870	4%	4.94	

W1ACCOL1		Num	Cost of Living Index (COLI) NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
12	0%	0.88	

165	1%	0.89	
516	2%	0.90	
545	3%	0.91	
384	2%	0.92	
18147	87%	.93-1.83	NOTE: Range of values omitted from display
10	0%	1.97	
312	2%	1.99	
13	0%	2.20	
128	1%	2.21	
513	2%	2.32	

W1ACCPI1		Num	Bureau of Labor Statistics Consumer Price Index (BLS CPI)
Frequency	Percent	Value	Label
6	0%	1.47	
5	0%	1.51	
10651	51%	1.52	
9142	44%	1.53	
941	5%	1.54	

W1ACCBC1		Num	ACCRA Cost of Living and Bureau of Labor Statistics Consumer Price Index product NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
169	1%	1.36	
447	2%	1.37	
170	1%	1.38	
386	2%	1.39	
330	2%	1.40	

18004	87%	1.41-2.73	NOTE: Range of values omitted from display
120	1%	2.77	
143	1%	2.79	
322	2%	3.04	
141	1%	3.38	
513	2%	3.53	

W1ACIMI1		Num	Imputation indicator
Frequency	Percent	Value	Label
14401	69%	0	No
6344	31%	1	Yes