Variance Estimates for Changes in the Consumer Price Index

January 2003-December 2003

Owen J. Shoemaker

This article presents variance estimates for 1-month, 2-month, 6-month, and 12-month percent changes in the Consumer Price Index for All Urban Consumers (CPI-U). The estimates cover the period January 2003 through December 2003. Each month the CPI collects prices from a sample of approximately 80,000 items in 23,000 outlets around the United States. Variance is a measure of the uncertainty caused by the use of a *sample* of retail prices, instead of the complete universe of retail prices.

The most commonly used measure of sampling variability is the *standard error* of the estimate – the square root of the variance. The standard error of the CPI's change can be used to construct confidence intervals to determine whether the change for a particular CPI series is significantly different from zero. This information should help users determine which index changes are significant.

Presentation of findings

The percent changes in the CPI along with their standard errors were estimated for all 12 months between January 2003 and December 2003. To summarize the results, Tables 1V through 5V show the median values of those percent changes, as well as the median values of their standard errors. Table 1V shows this information for the U.S. City Average, and Tables 2V through 5V show the same information for the Northeast, Midwest, South, and West regions of the country.

For example, from January 2003 through December 2003, the 1-month changes in the U.S. City Average-All Items index had a median value of 0.11 percent. The standard errors of those 12 estimates had a median value of 0.06 percent. Margins of error are usually expressed as a statistic's point estimate plus or minus 2 standard errors, so the margin of error on the CPI's 1-month change is approximately 0.11 percent plus or minus 0.12 percent. That means that in a typical 1-month period the true change in the CPI was probably somewhere between -0.01 percent and 0.23 percent. The tables also show median percent changes and standard errors for 2-month and 6-month intervals and for the full year 2003. Margins of error can be calculated for these intervals in the same way as for 1-month periods.

Analysis of findings

Analysis of the data reveals three important observations. First, the standard errors increase as one moves from the U.S. City Average to individual regions of the country and from *all items* to individual item categories. Second, standard errors differ between item categories. Third, the standard errors decrease on a relative basis (standard error divided by price change), as the price change interval gets longer.

The primary reason standard errors increase as one moves from the U.S. City Average to individual regions of the country is that sample sizes differ. In general, smaller sample sizes lead to larger standard errors. For example, the U.S. City Average-All Items index is computed each month from the prices of approximately 80,000 selected items throughout the United States, and its median standard error for 1-month changes is 0.06 percent. By contrast, the Northeast Region-All Items index is computed from the prices of approximately 17,000 selected items, and its median standard error is 0.16 percent. Regional indexes have larger standard errors because their sample sizes are smaller.

¹ In 1998 significant changes were made to the CPI's structure and sample, and a new variance calculation system was implemented. For information on variances from 1978-1986, 1993-1997 and then 1998 and 1999, see the *CPI Detailed Report* for February 1991, May 1994, February 1998, December 1999, and November 2000, respectively.

The same effect can be observed as one moves from the all items index to individual item categories. Again, the U.S. City Average-All Items index is computed each month from the prices of approximately 80,000 selected items, and its median standard error is 0.06 percent. By contrast, the U.S. City Average-Recreation index is computed from the prices of approximately 4,000 items, and its median standard error is 0.11 percent, or almost twice as large. So, again, smaller sample sizes lead to larger standard errors.

The second observation is that standard errors differ between item categories. There are two reasons for this. First, the item categories differ in sample size. For example, the U.S. City Average Food & beverages index is computed from approximately 33,000 prices each month, while the U.S. City Average-Recreation index is computed from approximately 4,000 prices. Therefore, it is not surprising that the recreation index has larger standard errors. Second, there are real differences in item category price behaviors caused by different selling practices, seasonal influences, and consumer demand. This is especially true for the apparel category, in which it is common for the prices of individual items to fluctuate by 50 percent or more each month. As a result, standard errors for apparel indexes are large.

The third observation is that standard errors decrease, on a relative basis (standard error divided by price change), as the price change interval gets longer. For the U.S. City Average–All Items index, the median standard error divided by the median percent change is 0.06/0.11=.545 for 1-month changes, 0.09/0.23=.391 for 2-month changes, 0.13/1.04=.125 for 6-month changes, and 0.11/2.15=.051 for the 12-month change between December 2002 and December 2003. This shows that the relative accuracy of percent changes in the CPI generally improves as the price change interval gets longer. On an absolute basis, the standard errors increase but at a decreasing rate.

The data presented here indicate that users should exercise caution when using CPI estimates to make inferences about index changes for relatively short time periods, for individual goods and services, or for local areas. The standard errors of those estimates may be on the same order of magnitude as the estimates themselves; and, thus, few inferences about them are reliable.

Sources of error

One way of analyzing the error in a survey estimate is to divide the total error into two sources: *sampling error* and *non-sampling error*. Sampling error is the uncertainty in the CPI caused by the fact that a sample of retail prices is used to compute the CPI, instead of using the complete universe of retail prices. Non-sampling error is the rest of the error. Non-sampling error includes things like incorrect information given by survey respondents, data processing errors, and so forth. Non-sampling error arises, regardless of whether data are collected from a sample of retail prices or from the complete universe.

Another way of analyzing error is to divide it into *variance* and *bias*. The variance of the CPI is a measure of how close different estimates of the CPI would be to each other if it were possible to repeat the survey over and over using different samples. Of course, it is not feasible to repeat the survey over and over, but statistical theory allows the CPI's variance to be estimated anyway. A small variance, for example, indicates that multiple independent samples would produce values that are consistently very close to each other. *Bias* is the difference between the CPI's *expected* value and its *true* value. A statistic may have a small variance but a large bias, or it may have a large variance but a small bias. For an index to be considered accurate, both its variance and bias need to be small.

The Bureau of Labor Statistics is constantly trying to reduce the error in the CPI. Variance and sampling error are reduced by using a sample of retail prices that is as large as possible, given resource constraints. The Bureau has developed a model that optimizes the allocation of resources by indicating the number of prices that should be observed in each geographic area and each item category, in order to

minimize the variance of the U.S. City Average-All Items index. The Bureau reduces non-sampling error through a series of computerized and professional data reviews, as well as through continuous survey process improvements and theoretical research.

Replication and variance estimation

An important advantage of using sampling is that the CPI's variance can be estimated directly from the sample data. Starting in 1978, the CPI's sample design has accommodated variance estimation by using two or more independent samples of items and outlets in each geographic area. This allows two or more statistically independent estimates of the index to be made. The independent samples are called *replicates*, and the set of all observed prices is called the *full sample*.

The CPI collects data in 38 geographic areas across the United States. The 38 areas consist of 31 *self-representing* areas and 7 *non-self-representing* areas. Self-representing areas are large metropolitan areas, such as the Boston metropolitan area, the St. Louis metropolitan area, and the San Francisco metropolitan area. Non-self-representing areas are collections of smaller metropolitan areas. For example, one non-self-representing area is a collection of 32 small metropolitan areas in the Northeast region (Buffalo, Hartford, Providence, Bangor, and others), of which 8 were randomly selected to represent the entire set. Within each of the 38 areas, price data are collected for 211 item categories called *item strata*. Together the 211 item strata cover all consumer purchases. Examples of item strata are bananas, women's dresses, and electricity.

Multiplying the number of areas by the number of item strata gives 8,018 (= 38×211) different area/item combinations for which price indexes need to be calculated. Separate price indexes are calculated for each one of these 8,018 area/item combinations. After all 8,018 of these *basic-level* indexes are calculated, they are aggregated to form *higher-level* indexes, using expenditure estimates from the Consumer Expenditure Survey as their weights. Examples of higher-level geographic areas are the four regions of the country (Northeast, Midwest, South, and West); and examples of higher-level item categories are the eight major groups (food & beverages, housing, apparel, transportation, medical care, education and communication, recreation, and other goods and services). The highest level of geographic aggregation is the *U.S. City Average*, and the highest level of item aggregation is *All Items*.

Variances are computed with a Stratified Random Groups method, in which variances are computed separately for certain subsets of areas and items and are then combined to produce the variance of the entire area and item combination. Subsets of items are formed by the intersection of the item category with each of the eight major groups.

Let CPI(A,I,f,t) denote the index value for area = A, item category = I, in month = t, where f indicates that it is the full-sample value, and let CPI(A,I,f,t-k) denote the value of the same index in month = t-k. In general, the upper-case letter A denotes a set of areas, such as the Northeast or Midwest region of the country; and the upper-case letter I denotes a higher-level item category, such as all items or all items less food and energy. Also let CPI(A,I,r,t) and CPI(A,I,r,t-k) be the corresponding index values for replicate = r. Most areas have two replicates, but some have more. Then, the full-sample k-month percent change between months t-k and t is computed by dividing CPI(A,I,f,t) by CPI(A,I,f,t-k), subtracting 1, and multiplying by 100:

$$PC(A, I, f, t, t-k) = \left(\frac{CPI(A, I, f, t)}{CPI(A, I, f, t-k)} - 1\right) \times 100$$

Every index has a weight W(A,I,f) or W(A,I,r) associated with it, which is used to combine the index with other indexes to produce indexes for larger geographic areas and larger item categories. For example, the weights are used to combine all 8,018 "basic-level" indexes into higher-level indexes such

as the U.S. City Average-All Items index. The product of an index and its weight is called a *cost weight*, $CW(A,I,r,t) = CPI(A,I,r,t) \times W(A,I,r)$, and is an estimate of the total cost in area = A for consumption of item category = I in month = t.

For the Stratified Random Groups method used here, replicate percent changes are defined as follows: full sample cost weights are used for every geographic area within area = A except for one of the areas. In the omitted area, the full sample cost weight is replaced by a replicate cost weight. Let the lower case letter a denote one of the 38 basic-level areas included in area = A, and let the lower case letter a denote the intersection of item category = A with one of the 8 major groups. Then, the replicate percent change, for area = A, item subset = A, replicate = A, between months A and A, is computed as:

$$PC_{S}(a,i,r,t,t-k) = \left(\frac{CW(A,I,f,t) - CW(a,i,f,t) + CW(a,i,r,t)}{CW(A,I,f,t-k) - CW(a,i,f,t-k) + CW(a,i,r,t-k)} - 1\right) \times 100$$

for self-representing areas. For non-self-representing areas, the replicate percent change, for area = a, item category = I, replicate = r, between months t-k and t, is computed as:

$$PC_{N}(a,I,r,t,t-k) = \left(\frac{CW(A,I,f,t) - CW(a,I,f,t) + CW(a,I,r,t)}{CW(A,I,f,t-k) - CW(a,I,f,t-k) + CW(a,I,r,t-k)} - 1\right) \times 100$$

where:

$$CW(A, I, f, t) = \sum_{a \in A} \sum_{i \in I} CW(a, i, f, t)$$

$$CW(A, I, f, t) = \sum_{a \in A} CW(a, I, f, t)$$

$$CW(a, I, f, t) = \sum_{i \in I} CW(a, i, f, t)$$

and likewise for replicates. The symbol " $a \subset A$ " means that the sum is over all basic-level areas within area = A, and the symbol $i \subset I$ means that the sum is over all item categories that are intersections of item category = I with a major group.

Then, the variance is computed with the following Stratified Random Groups variance estimation formula:

$$\begin{split} V[PC(A,I,f,t,t-k)] &= \sum_{i \subset I} \sum_{a \subset A \cap S} \frac{1}{R_a(R_a-1)} \sum_{r=1}^{R_a} \left(PC_S(a,i,r,t,t-k) - PC(A,I,t,t-k) \right)^2 \\ &+ \sum_{a \subset A \cap N} \frac{1}{R_a(R_a-1)} \sum_{r=1}^{R_a} \left(PC_N(a,I,r,t,t-k) - PC(A,I,t,t-k) \right)^2 \end{split}$$

where S and N are the sets of all self-representing and non-self-representing areas in the CPI's geographic sample, respectively; and $A \cap S$ and $A \cap N$ are the sets of all self-representing and non-self-representing areas within area = A. The number R_a is the number of replicates in area = A.

Finally, the standard error of the percent change is computed by taking the square root of its variance:

$$SE[PC(A, I, f, t, t-k)] = \sqrt{V[PC(A, I, f, t, t-k)]}$$

For more information, write to the CPI Information Office, BLS - Room 3130, 2 Massachusetts Avenue, N.E., Washington, DC 20212, or call Owen Shoemaker at 202-691-6918.

Table 1V. U.S. city average, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2003

				U.S. city	average			
Hom and group	1 M	onth	2 M	onth	6 M	onth	12 M	lonth
Item and group	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error
Expenditure category								
tems	0.11	0.06	0.23	0.09	1.04	0.13	2.15	0.11
ood and beverages	.27	.09	.55	.11	1.25	.13	2.12	.15
Food		.10	.56	.11	1.26	.14	2.14	.16
Food at home		.17	.70	.19	1.39	.22	2.17	.24
Cereals and bakery products Cereals and cereal products		.35 .55	.41 .15	.36 .59	1.41 1.43	.46 .68	2.47 1.89	.49
Flour and prepared flour mixes		1.31	.89	1.23	1.43	1.66	4.14	1.69
Breakfast cereal		.82	.18	.81	.95	.99	.63	1.0
Rice, pasta, cornmeal		.99	.80	1.07	1.06	1.24	3.19	1.3
Rice	.52	.86	.83	1.00	2.18	1.22	2.57	1.5
Bakery products		.43	.52	.44	1.41	.58	2.70	.6
Bread		.70	.25	.71	1.50	.88	2.52	.8
White bread		.83	.08	.94	1.31	1.17	2.39	1.1
Bread other than white		.96 .56	.21 .74	1.25 .74	.86 1.91	1.41 1.03	2.41 3.21	1.6 1.2
Fresh biscuits, rolls, muffins		.82	.23	1.08	1.52	1.30	3.19	1.0
Cookies		1.14	.16	1.09	1.68	1.34	3.61	1.6
Fresh cakes and cupcakes		.73	.53	.76	1.70	1.22	2.75	1.0
Other bakery products		.90	.78	1.08	1.22	1.16	1.84	1.2
Fresh sweetrolls, coffeecakes, doughnuts	.34	.71	.82	.82	1.07	1.06	1.69	1.3
Crackers, bread, and cracker products	.57	1.61	1.04	1.80	1.62	1.87	3.08	2.0
Frozen and refrigerated bakery products, pies, tarts,	1 40	4.04	0.4	4.00	40	0.05	4.07	١ ,
turnovers		1.31	24 1.60	1.62	.46 3.02	2.05 .44	1.87 3.45	1.8
Meats, poultry, fish, and eggs Meats, poultry, and fish		.31 .32	1.42	.36	2.96	.45	3.45	.5
Meats		.40	1.80	.49	3.82	.55	4.34	.6
Beef and veal		.53	2.10	.65	5.70	.72	6.92	.8
Uncooked ground beef		.80	2.33	.91	4.88	1.15	6.72	1.3
Uncooked beef roasts		1.19	2.82	1.31	5.10	1.68	7.36	1.8
Uncooked beef steaks		.98	3.20	1.16	5.69	1.23	6.64	1.3
Uncooked other beef and veal		1.04	2.56	1.09	5.97	1.48	9.24	1.6
Pork Bacon, breakfast sausage, and related products		.67 .86	.74 .27	.76 1.07	2.32 2.38	.92 1.14	1.77 3.88	1.0 1.3
Bacon and related products		.94	1.33	1.12	4.49	1.61	7.14	1.6
Breakfast sausage and related products		1.78	.97	2.09	1.41	2.44	2.46	2.5
Ham		1.47	1.79	1.70	1.95	2.06	.55	2.2
Ham, excluding canned	.78	1.81	1.30	2.25	2.22	2.53	1.16	2.8
Pork chops		1.34	.84	1.50	3.54	1.84	2.55	1.7
Other pork including roasts and picnics		1.64	1.25	1.80	2.90	2.24	67	2.3
Other meatsFrankfurters		1.19 2.32	1.13	1.28 2.67	1.70 2.80	1.37 3.40	2.46 5.62	1.6 4.0
Lunchmeats		1.26	.88	1.18	.56	1.60	1.09	1.6
Lamb and organ meats		1.53	1.88	1.48	2.99	2.10	5.29	2.3
Lamb and mutton		1.23	1.25	1.75	3.49	2.69	2.35	2.4
Poultry	.36	.97	.69	1.08	1.03	1.15	1.08	1.3
Chicken		1.22	1.00	1.28	.92	1.41	1.03	1.6
Fresh whole chicken		1.92	.50	2.09	18	2.40	-3.11	2.6
Fresh and frozen chicken parts		1.32	.76	1.31	1.59	1.77	1.89	2.1
Other poultry including turkey Fish and seafood		1.28	.68 .56	1.51 .77	13 1.17	1.81	.96 1.66	2.1 1.0
Fresh fish and seafood		1.02	.97	1.12	1.17	1.42	1.33	1.6
Processed fish and seafood		.86	.01	.97	.15	1.24	.70	1.2
Canned fish and seafood		.83	.42	.93	81	1.15	65	1.4
Frozen fish and seafood		1.35	.33	1.75	.93	2.02	2.12	2.2
_Eggs		.91	3.78	1.01	8.04	1.22	10.16	1.4
Dairy and related products		.45	.18	.49	.10	.55	-1.52	.5
Milk		.57	.16	.57	30	.70	-1.86	3.
Fresh whole milk Fresh milk other than whole		.76 .72	.20 .34	.77 .70	51 .80	.97 .95	-1.84 75	1.2
Cheese and related products		.72	.48	.70	.80	.95	75 -1.10	1.1 .9
Ice cream and related products		1.34	.13	1.71	-1.65	1.54	-1.10	1.7
Other dairy and related products		.93	.33	.89	.83	1.17	1.00	1

Table 1V. U.S. city average, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2003-Continued

				U.S. city	average			
Itom and are:	1 M	onth	2 M	onth	6 M	onth	12 N	lonth
Item and group	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error	Median price change	Media standa error
Expenditure category								
Fruits and vegetables	0.32	0.49	0.40	0.59	2.01	0.64	3.05	0.
Fresh fruits and vegetables		.64	.61	.74	2.50	.81	3.85	
Fresh fruits	1	.84	.67	1.13	1.73	1.21	2.58	1
Apples		1.07	2.28	1.18	1.13	1.52	6.83	1
Bananas		1.49	26	1.60	-1.44	1.80	-1.34	2
Citrus fruits	1	1.70	1.60	2.05	80	2.53	1.90	2
Oranges, including tangerines		1.90	.31	3.05	2.72	4.32	1.89	4
Other fresh fruits		1.69 .92	56 1.54	1.79 1.08	3.85 2.94	2.20 1.20	4.62 2.97	2
Fresh vegetables Potatoes		1.34	.42	1.59	-1.80	1.88	-4.34	1
Lettuce	1	1.73	2.02	2.03	6.33	2.45	12.74	2
Tomatoes	1	1.39	57	1.67	5.50	1.99	8.42	2
Other fresh vegetables	1	1.48	1.45	1.70	3.41	1.97	2.63	2
Processed fruits and vegetables	.02	.60	.35	.67	.15	.76	1.01	
Canned fruits and vegetables		1.00	06	1.04	.10	1.09	.92	1
Canned fruits	1	1.25	42	1.46	1.40	1.53	1.64	1
Canned vegetables		1.36	23	1.26	22	1.46	.40	1
Frozen fruits and vegetables	1	.82 1.10	.45 .81	.97 1.50	.95 .96	1.43 1.56	1.24 1.32	1 1
Frozen vegetables Other processed fruits and vegetables including dried		.70	.06	.80	.19	1.01	.82	1 1
Dried beans, peas, and lentils	1	.78	32	.84	42	1.07	-1.23	'
Nonalcoholic beverages and beverage materials	1	.45	17	.48	02	.59	.22	
Juices and nonalcoholic drinks		.57	16	.63	32	.72	10	
Carbonated drinks	.23	.89	27	.95	.10	1.01	.07	1
Frozen noncarbonated juices and drinks		.97	.64	1.00	1.70	1.25	3.03	1
Nonfrozen noncarbonated juices and drinks		.79	39	.87	55	1.04	.69	1
Beverage materials including coffee and tea	1	.60	.00	.79	10	.82	1.32	
Coffee Roasted coffee		.70 .97	04 03	.63 .93	.94 1.06	.79 1.04	1.86 2.26	1
Instant and freeze dried coffee		.53	.06	.60	.49	.78	.49	·
Other beverage materials including tea	1	.83	01	1.24	57	1.12	1.12	1 1
Other food at home		.35	.12	.40	.58	.45	1.23	
Sugar and sweets	.04	.58	08	.53	.82	.68	1.68	
Sugar and artificial sweeteners		.65	.28	.72	.64	1.18	1.71	1
Candy and chewing gum		.88	.04	.76	.64	1.00	1.34	1
Other sweets	1	.83	.28	.92	2.05	1.02	3.52	1
Fats and oils	1	.56	.50	.60	.70	.70	1.15	١,
Butter and margarine Butter		1.44 2.35	.89 .68	1.42 2.19	.36 .33	1.64 2.63	34 -6.88	1 2
Margarine		2.26	01	1.71	2.51	2.22	3.39	1
Salad dressing		1.10	08	1.12	.53	1.11	1.50	1
Other fats and oils including peanut butter	.09	.63	.22	.72	1.66	.91	3.57	1
Peanut butter		.85	.10	1.14	66	1.41	96	1
Other foods	1	.48	.06	.53	.50	.61	.95	
Soups		1.16	.60	1.26	.28	1.41	1.27	1
Frozen and freeze dried prepared foods		1.20	23	1.42	62	1.67	-1.36	1
Snacks Spices, seasonings, condiments, sauces	1	1.24 .91	.78 29	1.39 1.01	1.59 .22	1.51 1.16	2.48 .67	1
Salt and other seasonings and spices	1	1.29	49	1.66	.13	1.75	73	'
Olives, pickles, relishes		1.88	-1.48	1.99	-1.18	2.45	73	2
Sauces and gravies		1.76	82	1.86	70	2.19	2.86	2
Other condiments		.53	.87	.91	2.76	1.32	3.76	1
Baby food		.48	.46	.50	1.51	.68	2.76	
Other miscellaneous foods		.96	05	1.11	.37	1.09	1.07	1
ood away from home		.06	.39	.09	1.01	.14	2.10	
Full service meals and snacks		.07	.35	.10	1.02	.18	2.02	
Limited service meals and snacks		.13 .10	.38 .31	.18 .17	.91 1.80	.26	1.90 3.88	
Food from vending machines and mobile vendors		.10	.31	.17	1.80 1.10	.34 .34	3.88 2.12	
Other food away from home		.12	.42	.22	1.10	.33	2.12	
coholic beverages	1	.17	.34	.24	.91	.25	1.89	

Table 1V. U.S. city average, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2003-Continued

				U.S. city	average			
Itam and group	1 M	onth	2 M	onth	6 M	onth	12 N	lonth
Item and group	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error
Expenditure category								
Alcoholic beverages at home	0.12	0.19	0.24	0.31	0.65	0.32	1.50	0.32
Beer, ale, and other malt beverages at home	.12	.23	.68	.30	1.20	.39	2.26	.45
Distilled spirits at home	.17	.21	.39 .48	.33	.79 1.25	.51 .60	.89 1.85	.73 .83
Distilled spirits, excluding whiskey, at home	.13	.44	.29	.61	.46	.93	.22	1.16
Wine at home	.14	.45	22	.65	.17	.68	.72	.71
Alcoholic beverages away from home	.22	.19	.45	.26	1.33	.47	2.74	.60
Beer, ale, and other malt beverages away from home	.30	.27	.59	.39	1.69	.58	3.11	.83
Wine away from home Distilled spirits away from home	.12	.20 .29	.30 .51	.33 .45	.50 1.84	.56 .74	1.25 3.61	.78 1.10
Distilled Spirits away from Home	.52	.23	.51	.43	1.04	.,4	3.01	1.10
Housing	.16	.12	.46	.18	1.19	.26	2.56	.19
Shelter Rent of primary residence	.24	.15	.35 .43	.23 .09	1.19 1.31	.33	2.37 2.93	.24 .19
Lodging away from home	1.32	1.61	1.22	2.30	1.57	2.90	1.10	2.06
Housing at school, excluding board	.01	.10	.10	.20	3.03	.46	5.97	.47
Other lodging away from home including hotels and motels	1.45	1.76	1.32	2.49	1.51	3.10	.64	2.24
Owners' equivalent rent of primary residence	.18	.05	.36	.08	1.05	.15	2.24	.18
Tenants' and household insurance Fuels and utilities	.14	.18	.24 .92	.29 .28	2.08 4.14	.70 .39	6.31 8.42	1.02
Fuels	.38	.24	.95	.33	4.14	.39	9.44	.36
Fuel oil and other fuels	.45	.44	.28	.60	4.43	.89	17.09	.85
Fuel oil	.62	.62	.60	.93	3.83	1.31	16.83	1.08
Other household fuels	.30	.51	.11	.80	6.04	1.41	16.62	1.61
Gas (piped) and electricity	.38	.25	1.03	.34	4.52	.47	9.15	.46
Electricity Utility (piped) gas service	.29 .66	.21	.50 1.23	.42 .50	1.62 12.94	.51 .94	2.99 24.88	.52 1.30
Water and sewer and trash collection services	.31	.17	.78	.23	1.97	.36	3.43	.42
Water and sewerage maintenance	.37	.21	.82	.29	2.04	.46	3.57	.54
Garbage and trash collection	.32	.17	.70	.27	1.97	.47	3.15	.54
Household furnishings and operations	13	.14	35	.20	-1.02	.27	-1.89	.35
Window and floor coverings and other linens Floor coverings	38 16	.73	-1.14 .09	.98 .61	-2.14 93	1.04	-5.06 -1.14	1.21 1.00
Window coverings	18	.93	26	1.22	89	1.52	-2.03	1.77
Other linens	-1.32	1.13	-2.61	1.52	-3.94	1.66	-7.54	2.07
Furniture and bedding	16	.32	28	.43	70	.58	-1.40	.66
Bedroom furniture	.14	.49	.05	.67	29	.88	-1.17	1.12
Living room, kitchen, and dining room furniture Other furniture	21 .14	.47	53 02	.68 .96	94 86	.91 1.39	-1.68 -1.42	1.04 1.67
Appliances	24	.70	55	.46	-1.96	.69	-3.27	.84
Major appliances	33	.38	63	.52	-1.62	.73	-2.72	.90
Laundry equipment	14	.39	29	.60	.12	.85	.00	1.29
Other appliances	13	.59	47	.79	-2.14	1.18	-4.12	1.43
Other household equipment and furnishings	28	.54	88	.85	-2.77	1.25	-5.37	1.54
Clocks, lamps, and decorator items	53 03	.83 .51	-1.53 49	1.35 .68	-4.69 22	2.11	-7.21 92	2.58
Dishes and flatware	68	1.10	.26	1.41	86	2.51	-3.41	2.07
Nonelectric cookware and tableware	09	.79	33	1.04	-2.26	1.61	-4.11	1.83
Tools, hardware, outdoor equipment and supplies	29	.33	38	.45	-1.11	.62	-1.96	.78
Tools, hardware and supplies	14	.45	17	.67	-1.16	.76	-2.41	1.06
Outdoor equipment and supplies Housekeeping supplies	41 .04	.46 .32	36 16	.64 .47	93 71	.84 .53	-1.50 -1.45	1.01
Household cleaning products	16	.49	34	.62	78	.76	-1.43	1.03
Household paper products	10	.65	07	.81	93	1.13	-1.22	1.28
Miscellaneous household products	08	.61	09	.94	.02	1.06	-1.11	1.10
Household operations	.10	.09	.41	.14	1.16	.27	2.36	.35
Domestic services Gardening and lawncare services	.10 01	.04	.34 21	.13 .23	1.13 .95	.45 .35	2.51 1.43	.52 .47
Moving, storage, freight expense	.10	.23	.21	.23	1.05	.58	2.28	.72
Repair of household items	.29	.22	.62	.34	1.87	.92	4.93	1.17
·								
Apparel	45	.57	83	.83	-1.02	1.06	-2.23	.98

Table 1V. U.S. city average, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2003-Continued

				U.S. city	average			
Itom and group	1 M	onth	2 M	onth	6 M	onth	12 N	lonth
Item and group	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error
Expenditure category								
Men's and boys' apparel	-0.27	0.72	-1.47	0.94	-1.77	1.12	-3.81	1.04
Men's apparel Men's suits, sport coats, and outerwear	16 46	.68 1.01	-1.24 49	.86 1.49	-1.84 91	1.14 1.91	-3.01 -1.40	1.09 1.88
Men's furnishings	.22	1.36	.53	1.80	1.09	2.17	.44	2.38
Men's shirts and sweaters	95	1.45	98	1.92	-3.40	2.98	-3.61	2.85
Men's pants and shorts	51	.83	-1.16	1.07	-3.46	1.33	-6.20	1.38
Boys' apparel	69	2.04	57	2.93	.38	4.02	-4.17	2.99
Women's and girls' apparel	69 93	1.12 1.19	-1.03 -1.14	1.76 1.97	-1.07 94	2.23 2.66	-2.15 -2.42	2.23 2.65
Women's outerwear	-1.29	2.04	-1.81	3.34	-2.56	4.27	-1.18	3.95
Women's dresses	20	3.72	-1.07	5.12	95	8.68	87	8.86
Women's suits and separates	-1.56	2.12	-1.69	3.24	-1.43	3.89	-3.69	4.53
Women's underwear, nightwear, sportswear and accessories	21	1.27	12	1.84	.42	2.38	83	2.68
Girls' apparel	.27 09	1.87	39 - 38	2.79 1.12	-1.75 92	3.55 1.55	-1.71 -1.45	3.37 1.90
Footwear Men's footwear	09	.90 .92	38 68	1.12	-2.59	2.03	-1.45 -4.17	2.61
Boys' and girls' footwear	26	1.81	40	2.30	1.27	4.10	.33	6.34
Women's footwear	.16	1.34	86	1.76	45	2.31	81	2.25
Infants' and toddlers' apparel	18	.84	62	1.27	-1.57	1.63	-3.44	1.71
Jewelry and watches	08	1.32	55	2.06	-1.57	1.92	-3.29	2.58
Watches	.17 .09	.92 1.53	.33 60	1.25 2.41	-1.78 -1.26	1.49 2.22	-3.01 -3.53	1.80 2.93
Transportation	12	.07	04	.10	1.02	.13	2.57	.16
Private transportation	22	.08	16	.10	.72	.13	2.66	.16
New and used motor vehicles	39	.10	66	.14	-1.75	.20	-2.51	.24
New vehicles New cars and trucks	33 33	.15 .16	40 41	.20 .24	-1.10 -1.11	.30 .28	-1.46 -1.47	.36
New cars	39	.18	47	.28	-1.18	.36	-1.47	.35
New trucks	21	.18	32	.26	92	.33	-1.01	.47
Used cars and trucks	58	.03	-1.10	.05	-3.08	.11	-4.65	.16
Leased cars and trucks	27	.34	46	.44	-1.27	.59	-2.09	.73
Car and truck rental	.11	.75	.02	1.00 .27	.19	1.19	-1.77 12.08	1.32
Motor fuel	24 24	.23	19 20	.27	3.98 3.98	.29 .29	12.08	.32
Gasoline, unleaded regular	20	.60	21	.92	4.07	1.04	12.61	1.11
Gasoline, unleaded midgrade	30	.55	27	.95	3.73	.93	11.21	.98
Gasoline, unleaded premium	28	.48	05	.79	3.69	.88	11.09	1.04
Other motor fuels	.13	.43	.22	.65	3.55	1.09	7.98	1.90
Motor vehicle parts and equipment Tires	04 23	.20	.05 24	.23 .37	.29 25	.33	.89 23	.44 .57
Vehicle accessories other than tires	.21	.23	.35	.25	.80	.36	2.17	.56
Vehicle parts and equipment other than tires	.07	.17	.17	.20	.50	.33	1.71	.72
Motor oil, coolant, and fluids	.23	.41	.64	.51	1.56	.55	2.48	.66
Motor vehicle maintenance and repair	.18	.11	.40	.17	1.17	.28	2.70	.38
Motor vehicle body work Motor vehicle maintenance and servicing	.15	.24	.28 .31	.41 .22	.60 .94	.61 .34	1.79 2.71	.77 .60
Motor vehicle repair	.26	.18	.50	.22	1.49	.44	2.71	.54
Motor vehicle insurance	.31	.15	1.00	.21	3.17	.35	8.43	.48
Motor vehicle fees	.13	.27	.76	.31	1.40	.46	2.76	.70
State and local registration and license	.07	.15	.73	.39	1.42	.64	2.75	.93
Parking and other fees	.20	.16	.32	.21	1.34	.47	2.54	.56
Parking fees and tolls Automobile service clubs	.18	.18	.39 .18	.29 .45	1.63 .66	.83 .64	2.72 1.27	1.05
Public transportation	.30	.18	.13	.29	1.94	.42	1.39	.48
Airline fare	.43	.29	.29	.40	1.61	.54	09	.60
Other intercity transportation	16	.35	78	.46	-2.11	.78	-2.81	.89
Ship fareIntracity transportation	-1.04 .30	.90 .11	-1.92 .61	1.37 .23	-5.08 5.11	2.12 .74	-8.40 9.46	2.12 1.14
Medical care	.30	.09	.56	.12	1.79	.19	4.00	.26

Table 1V. U.S. city average, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2003-Continued

				U.S. city	average			
lters and evalue	1 M	onth	2 M	onth	6 M	onth	12 M	onth
Item and group	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error
Expenditure category								
Medical care commodities	0.16	0.16	0.39	0.24	1.14	0.32	2.49	0.45
Prescription drugs and medical supplies	.19	.20	.41	.28	1.31	.41	2.98	.58
Nonprescription drugs and medical supplies	.11	.31 .42	.35 .53	.42 .60	.72 .77	.54 .71	1.24 1.45	.62 .81
Internal and respiratory over-the-counter drugs	l	.35	.03	.47	.55	.67	.09	.79
Medical care services	.33	.10	.67	.14	2.00	.22	4.42	.32
Professional services	.25	.08	.46	.13	1.36	.23	2.85	.32
Physicians' services Dental services	.26 .30	.10 .15	.34 .52	.18 .21	1.15 2.12	.31 .37	2.63 4.17	.48 .52
Eyeglasses and eye care	.15	.44	.26	.61	.27	.70	.11	.80
Services by other medical professionals	l	.13	.35	.18	1.31	.47	3.14	.71
Hospital and related services		.19	1.27	.26	3.13	.45	7.22	.66
Hospital services	.53 .51	.21 .25	1.28 1.17	.28 .39	3.15 3.01	.47 .63	7.31 6.65	.70 .74
Outpatient hospital services	.49	.36	1.26	.49	3.32	.85	8.77	1.49
Nursing homes and adult daycare	.28	.18	.76	.36	2.78	.69	5.65	1.00
Recreation	.06	.11	.14	.15	.69	.22	1.19	.29
Video and audio Televisions	.03 -1.20	.15 .45	.00 -2.31	.20 .56	.36 -7.36	.29 .76	.87 -13.45	.34 .83
Cable and satellite television and radio service	.30	.15	.71	.22	2.33	.76	5.02	.46
Other video equipment	-1.20	.50	-2.33	.76	-7.70	1.30	-14.38	1.32
Video cassettes, discs, and other media including rental	.06	.38	.03	.55	01	.92	-5.69	1.31
Video cassettes and discs, blank and prerecorded	.05 .05	.69 .42	46 16	.96 .76	-1.33 .05	1.50 1.21	-1.88 -7.03	1.76 1.70
Audio equipment	87	.55	87	.76	-2.81	1.23	-5.18	1.42
Audio discs, tapes and other media	27	.76	18	.82	.34	1.12	2.88	1.81
Pets, pet products and services	.22	.35	.54	.51	1.17	.54	2.12	.70
Pets and pet products Pet food	.19	.48 .61	.21 .24	.75 .76	.49 .59	.76 .80	.34 .68	.93 1.00
Purchase of pets, pet supplies, accessories	16	.42	12	.57	01	.91	.37	1.00
Pet services including veterinary	.40	.16	.75	.30	2.33	.48	5.13	.84
Pet services	.20 .50	.18 .20	.63	.40 .28	1.91 2.63	.76	4.03 5.28	1.44 .68
Veterinarian services	02	.20	.84 10	.28 .56	42	.44 .88	5.28 98	.90
Sports vehicles including bicycles		.37	30	.60	40	.85	69	1.14
Sports equipment	03	.52	.19	.86	15	1.25	52	1.37
Photography Photographic equipment and supplies	15 46	.28 .53	34 94	.34 .61	97 -2.53	.48 .90	-1.97 -5.09	.59 1.11
Film and photographic supplies	36	.78	74	1.03	-1.57	.95	-2.87	1.19
Photographic equipment	61	.58	-1.19	.80	-4.08	1.17	-7.77	1.60
Photographers and film processing		.28	.14	.38	.05	.55	.55	.65
Photographer feesFilm processing	.15	.46 .21	.05 09	.68 .36	.50 04	.98 .50	1.85 .14	1.23 .63
Other recreational goods	l	.37	56	.56	-1.85	.81	-4.89	1.13
Toys	41	.50	72	.75	-2.23	1.09	-5.94	1.47
Toys, games, hobbies and playground equipment	24	.48 .51	48	.68 .69	-1.70	1.10	-5.12 -2.51	1.76 1.79
Sewing machines, fabric and supplies	06 17	.32	.11 20	.69	15 62	1.28	-2.31	1.79
Recreation services	.18	.23	.61	.34	2.03	.56	3.94	.81
Club membership dues and fees for participant sports	.13	.36	.16	.54	1.78	.87	2.83	1.11
Admissions	.16 .30	.32 .31	.50 .60	.45 .46	2.00 2.12	.71 .75	4.40 4.79	1.39 1.25
Admission to sporting events	15	.31	02	.60	.34	1.06	1.11	1.45
Fees for lessons or instructions	.44	.22	1.11	.40	2.69	.89	4.58	1.30
Recreational reading materials	.13	.30	.08	.35	.30	.47	.86	.66
Newspapers and magazines Recreational books	.12 02	.37 .41	.40 12	.43 .56	1.01 84	.59 .86	1.95 83	.72 1.53
Education and communication	.04	.07	.10	.09	.53	.17	1.52	.24
Education	.28	.09	.55	.11	3.51	.24	6.48	.28

Table 1V. U.S. city average, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2003-Continued

				U.S. city	average			
there and every	1 M	onth	2 M	onth	6 M	onth	12 N	lonth
Item and group	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error
Expenditure category								
Educational books and supplies	0.32	0.37	0.85	0.49	2.58	0.66	5.52	0.87
Tuition, other school fees, and childcare	.24	.08	.49	.12	3.56	.25	6.51	.28
College tuition and fees	.27	.13	.52	.17	4.66	.47	7.61	.50
Elementary and high school tuition and fees	.17	.10	.22	.12	2.86	.45	6.74	.63
Child care and nursery school Technical and business school tuition and fees	.20	.13	.56 .89	.20 .52	2.03 3.24	.39 .76	4.61 6.37	.50 .96
Communication	32	.09	55	.14	-2.01	.23	-3.13	.36
Postage and delivery services	.00	.01	.00	.01	.09	.03	5.25	.28
Postage	.00	.00	.00	.00	.00	.00	5.26	.27
Delivery services	02	.17	.00	.23	2.62	.67	5.29	.96
Information and information processing	34 33	.10	59 47	.15	-2.17 -1.43	.24 .25	-3.68 -1.57	.39 .40
Telephone services Land-line telephone services, local charges	.13	.09	47 .31	.13 .10	1.54	.25	4.04	.40
Land-line telephone services, long distance charges	-1.10	.23	-1.81	.34	-5.34	.62	-9.18	.97
Land-line interstate toll calls	-1.32	.25	-2.24	.40	-5.61	.70	-8.71	.95
Land-line intrastate toll calls	74	.27	-1.35	.40	-5.25	.87	-9.42	1.39
Wireless telephone services	06	.10	06	.13	82	.20	81	.42
Information technology, hardware and services	93 -1.52	.34 .75	-1.92 -3.06	.48 .91	-6.45 -11.53	.69 1.29	-11.41 -20.68	.90 1.54
Personal computers and peripheral equipment Computer software and accessories	82	.62	-1.72	.90	-4.96	1.41	-8.81	1.58
Internet services and electronic information providers	.09	.20	.21	.41	.05	.67	1.14	1.39
Telephone hardware, calculators, and other consumer information items	93	.51	-2.01	.76	-5.88	1.35	-11.06	1.70
	40	40	0.4	40	00	0.4	4.04	
Other goods and services Tobacco and smoking products	.10	.13	.24 01	.18 .47	.69 39	.21 .62	1.61 .08	.26 .74
Cigarettes	02	.38	07	.50	56	.65	20	.74
Tobacco products other than cigarettes	.21	.35	.91	.44	2.08	.62	4.17	.83
Personal care	.14	.12	.31	.17	1.04	.21	1.92	.28
Personal care products	.05	.35	09	.48	28	.59	72	.68
Hair, dental, shaving, and miscellaneous personal care products	.02	.51	08	.73	-1.02	.88	-1.91	1.00
Cosmetics, perfume, bath, nail preparations and implements	.10	.48	.11	.62	.57	.72	.70	.93
Personal care services	.24	.22	.52	.35	1.43	.38	2.41	.56
Haircuts and other personal care services	.24	.22	.52	.35	1.43	.38	2.41	.56
Miscellaneous personal services	.30	.09	.53	.12	1.67	.21	3.25	.27
Legal services	.20 .30	.14 .19	.54 .62	.23 .27	2.53 1.96	.42	5.08 4.00	.67 .55
Funeral expenses Laundry and dry cleaning services	.23	.19	.51	.26	1.51	.39 .53	2.02	.60
Apparel services other than laundry and dry cleaning	.24	.25	.52	.33	1.54	.61	2.29	1.14
Financial services	.13	.20	.37	.25	1.36	.48	3.09	.58
Checking account and other bank services	.08	.18	.33	.27	.83	.67	2.06	.89
Tax return preparation and other accounting fees	.19	.32	.63	.51	2.22	.80	4.17	.95
Miscellaneous personal goods Stationery, stationery supplies, gift wrap	31 20	.57 .35	78 22	.89 .50	-1.29 -1.13	1.29 1.24	-1.49 -1.64	1.51 1.05
Special aggregate indexes	20	.55	22	.50	-1.10	1.24	-1.04	1.05
Commodities	30	.08	13	.11	.08	.14	.62	.15
Commodities less food and beverages	65	.12	39	.16	59	.20	33	.21
Nondurables less food and beverages	77 .00	.19 .12	26 06	.27 .15	.46 1.50	.34 .16	2.22 4.16	.35 .19
Durables	37	.10	70	.13	-2.01	.18	-3.02	.23
Services	.28	.08	.55	.13	1.56	.19	3.23	.14
Rent of shelter	.24	.16	.35	.23	1.17	.33	2.33	.24
Transportation services	.36	.09	.79	.12	1.74	.17	3.42	.22
Other services All items less food	.11	.06 .07	.41 .17	.09 .10	1.53 1.04	.14 .15	3.21 2.14	.19 .13
All items less flood All items less shelter	.05	.07	.17	.10	.93	.09	2.14	.13
All items less medical care	.10	.06	.10	.10	.98	.14	2.03	.12
Commodities less food	62	.11	36	.15	54	.20	25	.21
Nondurables less food	71	.18	22	.25	.48	.31	2.18	.33
Nondurables less food and apparel	.02	.11	03	.14	1.44	.15	3.92	.18
Nondurables	23	.10	01	.14 .95	.96	.18	2.35	.19 1.18
Services less rent of shelter	55 .32	.68 .06	95 .58	.95	-1.19 2.07	1.24 .10	-2.92 4.12	.13
	.02	.00	.00	.00	2.07		1.12	

Table 1V. U.S. city average, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2003-Continued

				U.S. city	average			
Normand arrays	1 M	onth	2 M	onth	6 M	onth	12 N	lonth
Item and group	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error
Special aggregate indexes								
Services less medical care services	0.28	0.09	0.55	0.14	1.52	0.20	3.11	0.15
Energy	1.05	.18	1.86	.23	5.38	.28	10.51	.27
All items less energy	.09	.07	.25	.10	.78	.13	1.56	.12
All items less food and energy	.09	.07	.20	.11	.68	.16	1.48	.14
All items less food and shelter	01	.06	.06	.09	.92	.11	2.02	.12
All items less food, shelter, and energy	02	.07	.06	.09	.21	.12	.90	.14
All items less food, shelter, energy, and used cars and trucks	.01	.07	.20	.10	.51	.12	1.08	.14
Commodities less food and energy commodities	22	.13	46	.17	-1.28	.22	-1.86	.24
Commodities less food, energy, and used cars and trucks	11	.14	42	.19	87	.24	-1.70	.26
Energy commodities	38	.23	50	.25	4.21	.27	12.16	.31
Services less energy services	.24	.09	.42	.13	1.37	.19	2.88	.15
Domestically produced farm food	.39	.19	.82	.20	1.69	.24	2.45	.26
Utilities and public transportation	.27	.11	.60	.16	2.10	.22	4.15	.22

Table 2V. Northeast Region, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2003

				North	neast			
Itom and aroun	1 M	onth	2 M	onth	6 M	onth	12 N	lonth
Item and group	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error
Expenditure category								
All items	0.28	0.16	0.45	0.24	1.34	0.41	2.76	0.30
Food and beverages	.26	.21	.50	.26	1.22	.27	2.12	.30
Food at home		.22	.52 .61	.27 .42	1.23 1.51	.28 .43	2.14 2.02	.33 .42
Food away from home		.10	.35	.19	.88	.45	2.11	.59
Alcoholic beverages	.19	.24	.33	.27	.92	.39	2.16	.38
Housing	.26	.30	.61	.50	1.66	.76	3.44	.49
Shelter	1	.35	.68	.63	1.61	.97	3.21 4.17	.62
Rent of primary residence Owners' equivalent rent of primary residence		.15	.61 .69	.20 .24	1.97 1.53	.32	3.37	.41
Fuels and utilities		.30	1.10	.47	5.15	.64	10.59	.67
Fuels		.34	1.11	.52	5.54	.68	11.46	.71
Gas (piped) and electricity Electricity	1	.32 .27	1.75 1.76	.53 .39	5.64 3.11	.73	10.60 4.05	.72 .73
Utility (piped) gas service		.58	1.88	1.03	9.11	1.80	22.42	2.58
Household furnishings and operations	.07	.31	15	.37	83	.61	-1.72	.95
Apparel	.08	1.68	-1.53	2.47	61	3.39	-2.39	3.23
Transportation	20	.15	.24	.18	.95	.25	2.77	.30
Private transportation		.16	.21	.17	.66	.26	2.47	.33
New and used motor vehicles New vehicles		.24	75 73	.27 .37	-2.12 -1.39	.47 .60	-2.27 -1.31	.56 .76
New cars and trucks		.38	76	.46	-1.40	.76	-1.35	.71
New cars		.41	83	.48	-1.69	.98	-2.20	.59
Used cars and trucks	52 96	.06	-1.05 1.29	.08 .65	-3.24 4.45	.20	-4.89 12.79	.42 .69
Gasoline (all types)		.37	1.28	.65	4.45	.38	12.73	.69
Gasoline, unleaded regular		.41	1.34	.67	4.54	.56	13.11	.76
Gasoline, unleaded midgrade		.48 .52	1.25 1.13	.66 .76	4.26 4.42	.76 .64	12.30 12.33	.78 .70
Medical care	.35	.20	.57	.26	1.71	.50	3.76	.70
Medical care commodities		.35	.57	.50	1.34	.81	2.54	.97
Medical care services Professional services	.37	.24	.68 .44	.30 .32	1.85 1.04	.59	4.08 1.72	.86 .68
Recreation	.14	.22	.33	.34	.92	.56	1.72	.82
Education and communication		.11	.19	.18	.67	.37	2.16	.56
Other goods and services	.12	.27	.42	.45	1.43	.47	3.80	.67
Special aggregate indexes								
Commodities		.25	11	.31	.70	.43	1.13	.44
Commodities less food and beverages		.36 .58	32 .05	.49 .79	.02 1.76	.70 1.11	.21 2.94	.69 1.11
Nondurables less food, beverages, and apparel		.21	.70	.31	1.80	.34	5.10	.42
Durables		.21	72	.25	-1.92	.43	-3.22	.54
Services		.20	.71 .68	.36 .63	1.89 1.62	.55	3.77 3.22	.36 .63
Transportation services		.18	.67	.27	1.94	.29	3.62	.37
Other services		.15	.47	.21	1.55	.32	3.49	.49
All items less food	1	.18 .15	.47 .36	.28 .20	1.39 1.21	.47 .27	2.83 2.43	.35 .28
All items less medical care		.17	.44	.26	1.33	.43	2.43	.32
Commodities less food	37	.34	29	.47	.06	.67	.29	.66
Nondurables less food Nondurables less food and apparel		.54	.08 .67	.74 .28	1.71 1.74	1.03	2.88 4.81	1.03
NondurablesNondurables		.33	.13	.40	1.74	.54	2.76	.55
Services less rent of shelter	.36	.11	.69	.15	2.34	.21	4.37	.27
Services less medical care services		.22	.73	.38	1.89 4.94	.58	3.72	.38
Energy		.29 .17	1.32	.47 .26	4.94 1.10	.40 .45	11.99 2.06	.42
All items less food and energy	.25	.20	.38	.30	1.00	.52	2.01	.38
Commodities less food and energy commodities		.40	36	.55	59	.77	-1.64	.75
Energy commodities Services less energy services		.32	.60 .63	.51 .37	3.45 1.63	.43	12.80 3.38	.58 .38
			.00				3.00	

Table 3V. Midwest Region, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2003

Expenditure category					Mid	vest			
Median M	Non- and group	1 M	onth	2 M	onth	6 M	onth	12 N	lonth
All items	item and group	price	standard	price	standard	price	standard	price	standard
Food and beverages	Expenditure category								
Food	All items	. 0.15	0.09	0.19	0.11	0.79	0.14	1.73	0.16
Food a home	Food and beverages	30	.19	.38	.20	1.05	.26	1.53	.30
Food away from home				l	I				.32
Absolute Absolute					I				.50
Shelter	•	1			I				.60
Shelter	Housing	01	.17	.16	.22	1.10	.25	2.43	.33
Owner's equivalent rent of primary residence		1		l	I				.38
Fuels and utilities				l	I				.27
Fuels									
Gas (piped) and electricity		1		l	I				1.08
Utility (piped) gas service									1.10
Apparel		1							.91
Apparel					I				2.36
Transportation	Household furnishings and operations	18	.25	42	.34	-1.27	.45	-2.34	.64
Private transportation	Apparel	35	.76	-1.23	1.12	-2.11	1.62	-3.10	1.46
New and used motor vehicles	Transportation	23	.17	.07	.23	.47	.25	1.91	.31
New vehicles		1							.32
New cars and trucks		1							
New cars		1			I				.46
Modro fuel		1		l					.50
Gasoline (all types) 48 58 1.06 64 2.73 65 9.94 1 Gasoline, unleaded regular 46 57 1.12 75 2.59 8.2 9.91 1.00 Gasoline, unleaded midgrade 37 54 1.14 59 2.78 .86 8.97 8.8 Medical care commodities 23 33 52 41 1.55 .54 3.26 7 Medical care commodities 23 33 .52 41 1.55 .54 3.26 7 Medical care services 27 1.2 .58 2.0 2.09 .36 4.37 4.4 Professional services 27 1.2 .58 2.0 2.09 .36 4.37 4.4 Professional services .07 29 1.6 .39 .12 .53 .57 .66 Special aggregate indexes Commodities less food and beverages -37 1.7 .91 .23 </td <td></td> <td></td> <td></td> <td></td> <td>I</td> <td></td> <td></td> <td></td> <td>.35</td>					I				.35
Gasoline, unleaded regular 46 57 1.12 75 2.59 82 9.91 1.00 Gasoline, unleaded premium 29 61 1.21 .85 2.76 .87 8.77 .86 Medical care 26 12 .60 1.9 1.94 .32 .413 .33 Medical care services 27 1.2 .58 2.0 2.09 .36 4.37 .4 Professional services 30 .17 .56 .27 1.55 .49 3.07 .66 Recreation 04 .18 01 .25 03 .42 .50 .5 Education and communication .01 .12 .06 .17 .19 .30 1.45 .44 Other goods and services .07 .29 .16 .39 .12 .53 .57 .66 Special aggregate indexes Commodities less food and beverages 11 .13 .42 .16 <t></t>		1		l	I				.81
Gasoline, unleaded midgrade 37 54 1.14 59 2.78 .86 8.97 8.87 Medical care under commodities 28 1.2 .80 1.9 1.94 32 4.13 33 Medical care commodities 23 .33 .52 .41 1.55 .54 3.26 .7 Medical care services .27 .12 .58 .20 2.09 .36 4.37 .4 Professional services .30 .17 .56 .27 1.155 .49 3.07 .66 Recreation .04 .18 .01 .25 .03 .42 .50 .55 Education and communication .01 .12 .06 .17 .19 .30 .1.45 .44 Other goods and services .07 .29 .16 .39 .12 .53 .57 .66 Special aggregate indexes .11 .13 .42 .16 .14 .22 .07 .22				l					
Medical care				l					.83
Medical care commodities 23 33 52 41 1.55 54 3.26 7 Medical care services 27 12 58 20 20.99 36 4.37 .4 Professional services 30 .17 .56 .27 1.55 .49 3.07 .6 Recreation -0.04 .18 -0.01 .25 -0.03 .42 .50 .5 Education and communication .01 .12 .06 .17 .19 .30 1.45 .44 Other goods and services .07 .29 .16 .39 .12 .53 .57 .66 Special aggregate indexes Commodities .11 .13 .42 .16 .14 .22 .07 .22 Commodities less food and beverages .37 .17 .91 .23 .84 .30 .99 .32 Nondurables less food and beverages, and apparel .08 .28 .19 .32	•	1		l	I				.82
Medical care services	Medical care	26	.12	.60	.19	1.94	.32	4.13	.39
Professional services .30		1		l	I				.71
Recreation		1		l	I				.44
Education and communication									
Other goods and services .07 29 .16 .39 .12 .53 .57 .60 Special aggregate indexes Commodities -11 .13 42 .16 14 .22 .07 .22 Commodities less food and beverages -37 .17 91 .23 84 .30 99 .33 Nondurables less food and beverages -41 .30 -1.16 .41 .29 .51 1.31 .5 Nondurables less food, beverages, and apparel .08 .28 .19 .32 .68 .33 2.69 .44 Durables -40 .15 73 .22 -2.16 .30 -3.31 .3 Services .19 .12 .37 .16 .14 .20 .312 .22 Services .19 .12 .37 .16 .29 .77 .35 1.67 .33 .25 .16 .29 .77 .35 1.67	Recreation	04	.18	01	.25	03	.42	.50	.51
Commodities Special aggregate indexes -11 13 -42 16 -14 22 .07 .22 .27 .	Education and communication	01	.12	.06	.17	.19	.30	1.45	.48
Commodities 11 .13 42 .16 .14 .22 .07 .23 Commodities less food and beverages 37 .17 91 .23 84 .30 99 .33 Nondurables less food and beverages 41 .30 -1.16 .41 .29 .51 1.31 .52 Nondurables less food, beverages, and apparel .08 .28 .19 .32 .68 .33 2.69 .44 Durables .40 .15 .73 .22 .216 .30 .331 .33 Services .19 .12 .37 .16 .141 .20 .312 .22 Rent of shelter .06 .21 .16 .29 .77 .35 1.67 .33 Transportation services .29 .20 .73 .27 .18 .30 .2.71 .48 Other services .13 .11 .33 .15 1.01 .26 .2.85 .33	Other goods and services	07	.29	.16	.39	.12	.53	.57	.60
Commodities less food and beverages 37 1.7 91 2.3 84 .30 99 .33 Nondurables less food and beverages 41 .30 -1.16 .41 .29 .51 1.31 .55 Nondurables less food, beverages, and apparel .08 .28 .19 .32 .68 .33 2.69 .44 Durables -40 .15 73 .22 -2.16 .30 -3.31 .33 Services .19 .12 .37 .16 1.41 .20 .3.12 .22 Rent of shelter .06 .21 .16 .29 .77 .35 1.67 .33 Transportation services .29 .20 .73 .27 1.88 .30 .2.71 .44 Other services .13 .11 .33 .15 1.01 .26 .285 .33 All items less food .14 .09 .16 .13 .74 .15 1.78	Special aggregate indexes								
Commodities less food and beverages 37 1.7 91 2.3 84 .30 99 .33 Nondurables less food and beverages 41 .30 -1.16 .41 .29 .51 1.31 .55 Nondurables less food, beverages, and apparel .08 .28 .19 .32 .68 .33 2.69 .44 Durables -40 .15 73 .22 -2.16 .30 -3.31 .33 Services .19 .12 .37 .16 1.41 .20 .3.12 .22 Rent of shelter .06 .21 .16 .29 .77 .35 1.67 .33 Transportation services .29 .20 .73 .27 1.88 .30 .2.71 .44 Other services .13 .11 .33 .15 1.01 .26 .285 .33 All items less food .14 .09 .16 .13 .74 .15 1.78	Commodities	11	.13	42	.16	14	.22	.07	.23
Nondurables less food, beverages, and apparel .08 .28 .19 .32 .68 .33 2.69 .42 Durables 40 .15 73 .22 -2.16 .30 -3.31 .33 Services .19 .12 .37 .16 .141 .20 3.12 .22 Rent of shelter .06 .21 .16 .29 .77 .35 .1.67 .33 Transportation services .29 .20 .73 .27 1.88 .30 .2.71 .48 Other services .13 .11 .33 .15 1.01 .26 2.85 .36 All items less food .14 .09 .16 .13 .74 .15 1.78 .14 All items less shelter .16 .09 .20 .11 .78 .14 1.78 .14 Commodities less food .35 .17 .86 .23 .78 .30 .90 .3 <tr< td=""><td>Commodities less food and beverages</td><td>37</td><td>.17</td><td>91</td><td>.23</td><td>84</td><td>.30</td><td>99</td><td>.32</td></tr<>	Commodities less food and beverages	37	.17	91	.23	84	.30	99	.32
Durables -40 15 -73 22 -2.16 30 -3.31 .3 Services 19 12 37 16 1.41 20 3.12 .2! Rent of shelter .06 .21 16 .29 .77 .35 1.67 .33 Transportation services .29 .20 .73 .27 1.88 .30 .2.71 .44 Other services .13 .11 .33 .15 1.01 .26 2.85 .36 All items less food .14 .09 .16 .13 .74 .15 1.78 .11 All items less shelter .16 .09 .20 .11 .78 .14 .17 .18 .14 .18 .18 .14 .18 .18 .14 .18 .18 .18 .14 .18 .18 .18 .18 .18 .18 .18 .18 .18 .18 .18 .18 .18				l					.52
Services .19 .12 .37 .16 1.41 .20 3.12 .22 Rent of shelter .06 .21 .16 .29 .77 .35 1.67 .33 Transportation services .29 .20 .73 .27 1.88 .30 .271 .49 Other services .13 .11 .33 .15 1.01 .26 2.85 .30 All items less food .14 .09 .16 .13 .74 .15 1.78 .14 All items less shelter .16 .09 .20 .11 .78 .14 1.78 .14 All items less medical care .14 .09 .15 .12 .71 .14 .18 .14 .18 .14 .18 .19 .29 .66 .30 .29 .3 .3 .48 .13 .44 .18 .18 .33 .48 .13 .14 .18 .23 .78 .30 .90 .3 .3 .48 .13 .14 .18 .23 .78				l	I				
Rent of shelter 06 .21 .16 .29 .77 .35 1.67 .33 Transportation services .29 .20 .73 .27 1.88 .30 .271 .44 Other services .13 .11 .33 .15 1.01 .26 2.85 .33 All items less food .14 .09 .16 .13 .74 .15 1.78 .11 All items less shelter .16 .09 .20 .11 .78 .14 .178 .14 All items less medical care .14 .09 .15 .12 .71 .14 .158 .16 Commodities less food .35 .17 .86 .23 78 .30 .90 .33 Nondurables less food and apparel .10 .26 .19 .29 .66 .30 .258 .33 Nondurables ses rent of shelter .31 .11 .62 .15 .21 .57 .28 .182 .29 Services less medical care services .16 .13 .31		1		l	I				.25
Other services .13 .11 .33 .15 1.01 .26 2.85 .36 All items less food .14 .09 .16 .13 .74 .15 1.78 .14 All items less shelter .16 .09 .20 .11 .78 .14 1.78 .14 All items less medical care .14 .09 .15 .12 .71 .14 .158 .11 Commodities less food .35 .17 .86 .23 .78 .30 .90 .3 Nondurables less food and apparel .39 .28 -1.06 .38 .33 .48 1.31 .44 Nondurables less food and apparel .10 .26 .19 .29 .66 .30 .258 .33 Nondurables .07 .17 36 .21 .57 .28 1.82 .22 Services less rent of shelter .31 .11 .62 .15 .218 .23 .441 .22 Services less medical care services .16 .13 .31 .18		1		l					.39
All items less food	•	1		l	I				.49
All items less shelter .16 .09 .20 .11 .78 .14 1.78 .16 All items less medical care .14 .09 .15 .12 .71 .14 1.58 .16 Commodities less food .35 .17 86 .23 78 .30 90 .3 Nondurables less food .39 .28 -1.06 .38 .33 .48 1.31 .44 Nondurables less food and apparel .10 .26 .19 .29 .66 .30 .2.58 .33 Nondurables .07 .17 36 .21 .57 .28 1.82 .29 Services less rent of shelter .31 .11 .62 .15 .21 .57 .28 1.82 .29 Services less medical care services .31 .11 .62 .15 .218 .23 .4.41 .22 Services less medical care services .16 .13 .31 .18 .13.4 .21 .301 .22 Energy .20 .41 .					I				.36
All items less medical care		1		l	I				.18
Commodities less food 35 .17 86 .23 78 .30 90 .3 Nondurables less food 39 .28 -1.06 .38 .33 .48 1.31 .44 Nondurables less food and apparel .10 .26 .19 .29 .66 .30 2.58 .33 Nondurables .07 .17 36 .21 .57 .28 1.82 .22 Services less rent of shelter .31 .11 .62 .15 2.18 .23 4.41 .22 Services less medical care services .16 .13 .31 .18 1.34 .21 3.01 .26 Energy .20 .41 2.22 .47 5.56 .69 11.92 .6 All items less energy .05 .10 .11 .12 .53 .15 1.12 .11 All items less food and energy .03 .10 .10 .14 .41 .18 .94 .18 Commodities less food and energy commodities .17 .18 .53		1		l	I				.16
Nondurables less food and apparel .10 .26 .19 .29 .66 .30 2.58 .33 Nondurables 07 .17 36 .21 .57 .28 1.82 .25 Services less rent of shelter .31 .11 .62 .15 2.18 .23 4.41 .25 Services less medical care services .16 .13 .31 .18 1.34 .21 3.01 .26 Energy .20 .41 2.22 .47 5.56 .69 11.92 .65 All items less energy .05 .10 .11 .12 .53 .15 1.12 .11 All items less food and energy .03 .10 .10 .14 .41 .18 .94 .18 Commodities less food and energy commodities 17 .18 53 .24 -1.34 .32 -2.45 .33	Commodities less food	35			I			90	.31
Nondurables 07 .17 36 .21 .57 .28 1.82 .29 Services less rent of shelter .31 .11 .62 .15 .218 .23 4.41 .21 Services less medical care services .16 .13 .31 .18 1.34 .21 3.01 .26 Energy .20 .41 .222 .47 5.56 .69 11.92 .65 All items less energy .05 .10 .11 .12 .53 .15 .112 .11 All items less food and energy .03 .10 .10 .14 .41 .18 .94 .11 Commodities less food and energy commodities 17 .18 53 .24 -1.34 .32 -2.45 .32				l					.48
Services less rent of shelter .31 .11 .62 .15 2.18 .23 4.41 .25 Services less medical care services .16 .13 .31 .18 1.34 .21 3.01 .21 Energy .20 .41 2.22 .47 5.56 .69 11.92 .66 All items less energy .05 .10 .11 .12 .53 .15 1.12 .11 All items less food and energy .03 .10 .10 .14 .41 .18 .94 .11 Commodities less food and energy commodities 17 .18 53 .24 -1.34 .32 -2.45 .33	and the second s			l					.39 .29
Services less medical care services .16 .13 .31 .18 1.34 .21 3.01 .26 Energy .20 .41 2.22 .47 5.56 .69 11.92 .65 All items less energy .05 .10 .11 .12 .53 .15 1.12 .18 All items less food and energy .03 .10 .10 .14 .41 .18 .94 .18 Commodities less food and energy commodities 17 .18 53 .24 -1.34 .32 -2.45 .32		1		l	I				.25
All items less energy .05 .10 .11 .12 .53 .15 1.12 .15 All items less food and energy .03 .10 .10 .14 .41 .18 .94 .18 Commodities less food and energy commodities 17 .18 53 .24 -1.34 .32 -2.45 .32		16	.13	.31	.18	1.34	.21	3.01	.26
All items less food and energy		1		l	I				.67
Commodities less food and energy commodities		1		l	I				.15
	· · · · · · · · · · · · · · · · · · ·	1		l	I				.18
Lifetyy continuouties	Energy commodities		.58	1.06	.63	2.87	.62	9.64	.78
				.41	.18	1.15	.22	2.48	.25

Table 4V. South Region, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2003

New Note New Note	Median standard error 0.17 .26 .27 .34 .34 .66 .24 .30 .31 .26 .76 .90 .98 1.55 .57 1.43 .30 .32
Median price change	standard error 0.17 .26 .27 .34 .34 .66 .24 .30 .31 .26 .76 .90 .90 .98 1.55 .57 1.43 .30 .32
All items	.26 .27 .34 .34 .66 .24 .30 .31 .26 .76 .90 .98 1.55 .57
Food and beverages	.26 .27 .34 .34 .66 .24 .30 .31 .26 .76 .90 .98 1.55 .57
Food	.27 .34 .34 .66 .24 .30 .31 .26 .76 .90 .98 1.55 .57
Food at home	.34 .34 .66 .24 .30 .31 .26 .76 .90 .98 1.55 .57 1.43
Food away from home	.34 .66 .24 .30 .31 .26 .76 .90 .98 1.55 .57
Housing	.24 .30 .31 .26 .76 .90 .98 1.55 .57
Shelter	.30 .31 .26 .76 .90 .98 1.55 .57 1.43
Rent of primary residence	.31 .26 .76 .90 .90 .98 1.55 .57 1.43
Owners' equivalent rent of primary residence 1.4 0.6 3.2 1.1 9.5 2.1 2.4 8.3 Fuels and utilities 6.2 3.2 1.33 6.0 4.23 7.7 8.33 Fuels 6.0 3.6 1.61 7.2 4.87 8.2 9.83 Gas (piped) and electricity 6.5 3.7 1.32 7.3 4.82 8.3 9.66 Electricity 6.7 3.5 1.76 7.9 3.64 .94 6.22 Utility (piped) gas service 0.2 6.3 4.3 8.3 13.48 1.28 27.37 Household furnishings and operations -2.3 1.9 3.4 3.0 86 4.0 -1.27 Apparel -6.9 8.2 -1.15 1.08 -1.63 1.49 -2.78 Transportation 0.0 1.2 -1.6 1.6 -0.4 2.5 2.54 New and used motor vehicles -2.9 1.8 -7.9 2.5 -1.5	.26 .76 .90 .90 .98 1.55 .57 1.43
Fuels and utilities 62 32 1,33 60 4,23 7,72 8,33 Fuels 8.2	.76 .90 .90 .98 1.55 .57 1.43
Fuels	.90 .90 .98 1.55 .57 1.43
Gas (piped) and electricity 65 37 1.32 73 4.82 83 9.66 Electricity .02 .63 .43 .83 13.46 .128 27.37 Household furnishings and operations -23 .19 34 .30 86 .40 -1.27 Apparel 69 .82 -1.15 1.08 -1.63 1.49 -2.78 Transportation .03 .12 03 .15 .19 .23 2.54 Private transportation .00 .12 16 .16 04 .25 2.54 New and used motor vehicles 29 .13 79 .25 -1.55 .41 -1.88 New cars and trucks 07 .26 03 .35 70 .58 98 New cars and trucks 07 .24 01 .38 69 .42 95 New cars and trucks 07 .24 01 .38 69 .42 95 New cars and trucks 57 .05 .05 .	.90 .98 1.55 .57 1.43
Utility (piped) gas service	1.55 .57 1.43 .30 .32
Household furnishings and operations 23	.57 1.43 .30 .32
Apparel	1.43 .30 .32
Transportation .03 .12 03 .15 .19 .23 2.54 Private transportation .00 .12 16 .16 04 .25 2.54 New and used motor vehicles 29 .18 79 .25 -1.55 .41 -1.88 New vehicles 07 .26 03 .35 70 .58 98 New cars and trucks 07 .24 01 .38 69 .42 95 New cars 03 .27 02 .47 64 .43 -1.06 Used cars and trucks 57 .05 -1.12 .08 28 .19 -4.49 Motor fuel	.30 .32
Private transportation .00 .12 16 .16 04 .25 2.54 New and used motor vehicles 29 .18 79 .25 -1.55 .41 -1.88 New vehicles 07 .26 03 .35 70 .58 98 New cars and trucks 07 .24 01 .38 69 .42 95 New cars 03 .27 02 .47 64 .43 -1.06 Used cars and trucks 57 .05 -1.12 .08 -2.98 .19 -4.49 Motor fuel .46 .31 50 .36 .87 .36 .9.77 Gasoline (all types) .48 .31 49 .36 .86 .37 .9.82 Gasoline, unleaded regular .53 .49 .55 .47 .74 1.05 .43 .9.66 Gasoline, unleaded premium .40 .48 42 .59 .58	.32
New and used motor vehicles -29 .18 79 .25 -1.55 .41 -1.88	
New vehicles 07 26 03 .35 70 .58 98 New cars and trucks 07 .24 01 .38 69 .42 95 New cars 03 .27 02 .47 64 .43 -1.06 Used cars and trucks 57 .05 -1.12 .08 -2.98 .19 -4.49 Motor fuel 4.6 .31 50 .36 .87 .36 9.77 Gasoline (all types) 4.8 .31 49 .36 .86 .37 9.82 Gasoline, unleaded regular .53 .49 -52 .54 .90 .70 10.51 Gasoline, unleaded midgrade .49 .55 47 .74 1.05 .43 9.66 Gasoline, unleaded premium .40 .48 42 .59 .58 .54 8.84 Medical care .23 .12 .62 .18 1.79 .27 3.99 Medical care services .26 .14 .66 .21 1.96	E4
New cars and trucks 07 .24 01 .38 69 .42 95 New cars 03 .27 02 .47 64 .43 -1.06 Used cars and trucks 57 .05 -1.12 .08 -2.98 .19 -4.49 Motor fuel .46 .31 50 .36 .87 .36 .977 Gasoline (all types) .48 .31 49 .36 .86 .37 .982 Gasoline, unleaded regular .53 .49 52 .54 .90 .70 10.51 Gasoline, unleaded midgrade .49 .55 47 .74 1.05 .43 9.66 Gasoline, unleaded premium .40 .48 42 .59 .58 .54 .84 Medical care .06 .24 .26 .38 1.08 .60 2.54 Medical care services .06 .24 .26 .38 1.08 .60 2.54 Medical care services .18 .13 .27 .19 1.	.51 .73
New cars 03 .27 02 .47 64 .43 -1.06 Used cars and trucks 57 .05 -1.12 .08 -2.98 .19 -4.49 Motor fuel .46 .31 50 .36 .87 .36 .9.77 Gasoline (all types) .48 .31 49 .36 .86 .37 .9.82 Gasoline, unleaded regular .53 .49 52 .54 .90 .70 10.51 Gasoline, unleaded midgrade .49 .55 47 .74 1.05 .43 9.66 Gasoline, unleaded premium .40 .48 42 .59 .58 .54 8.84 Medical care .23 .12 .62 .18 1.79 .27 3.99 Medical care commodities .06 .24 .26 .38 1.08 .60 2.54 Medical care services .26 .14 .66 .21 1.96 .31 4.58 Professional services .18 .13 .27 .19	.84
Motor fuel .46 .31 50 .36 .87 .36 9.77 Gasoline (all types) .48 .31 49 .36 .86 .37 9.82 Gasoline, unleaded regular .53 .49 52 .54 .90 .70 10.51 Gasoline, unleaded midgrade .49 .55 47 .74 1.05 .43 9.66 Gasoline, unleaded premium .40 .48 42 .59 .58 .54 8.84 Medical care .23 .12 .62 .18 1.79 .27 3.99 Medical care commodities .06 .24 .26 .38 1.08 .60 2.54 Medical care services .26 .14 .66 .21 1.96 .31 4.58 Professional services .18 .13 .27 .19 1.38 .34 3.22 Recreation .06 .17 .15 .26 .62 .39 1.86 Education and communication .01 .10 01 .16 <	.57
Gasoline (all types) .48 .31 49 .36 .86 .37 9.82 Gasoline, unleaded regular .53 .49 52 .54 .90 .70 10.51 Gasoline, unleaded midgrade .49 .55 47 .74 1.05 .43 9.66 Gasoline, unleaded premium .40 .48 42 .59 .58 .54 8.84 Medical care .23 .12 .62 .18 1.79 .27 3.99 Medical care commodities .06 .24 .26 .38 1.08 .60 2.54 Medical care services .26 .14 .66 .21 1.96 .31 4.58 Professional services .18 .13 .27 .19 1.38 .34 3.22 Recreation .06 .17 .15 .26 .62 .39 1.86 Education and communication .01 .10 01 .16 04 .25 .50 Other goods and services .14 .18 .12 .23	.21
Gasoline, unleaded regular .53 .49 52 .54 .90 .70 10.51 Gasoline, unleaded midgrade .49 .55 47 .74 1.05 .43 9.66 Gasoline, unleaded premium .40 .48 42 .59 .58 .54 8.84 Medical care .23 .12 .62 .18 1.79 .27 3.99 Medical care commodities .06 .24 .26 .38 1.08 .60 2.54 Medical care services .26 .14 .66 .21 1.96 .31 4.58 Professional services .18 .13 .27 .19 1.38 .34 3.22 Recreation .06 .17 .15 .26 .62 .39 1.86 Education and communication .01 .10 01 .16 04 .25 .50 Other goods and services .14 .18 .12 .23 .20 .35 .45 Special aggregate indexes	.44
Gasoline, unleaded midgrade .49 .55 47 .74 1.05 .43 9.66 Gasoline, unleaded premium .40 .48 42 .59 .58 .54 8.84 Medical care .23 .12 .62 .18 1.79 .27 3.99 Medical care commodities .06 .24 .26 .38 1.08 .60 2.54 Medical care services .26 .14 .66 .21 1.96 .31 4.58 Professional services .18 .13 .27 .19 1.38 .34 3.22 Recreation .06 .17 .15 .26 .62 .39 1.86 Education and communication .01 .10 01 .16 04 .25 .50 Other goods and services .14 .18 .12 .23 .20 .35 .45 Special aggregate indexes Commodities 14 .12 11 .15 04 .22 .57	.44 .78
Gasoline, unleaded premium .40 .48 42 .59 .58 .54 8.84 Medical care .23 .12 .62 .18 1.79 .27 3.99 Medical care commodities .06 .24 .26 .38 1.08 .60 2.54 Medical care services .26 .14 .66 .21 1.96 .31 4.58 Professional services .18 .13 .27 .19 1.38 .34 3.22 Recreation .06 .17 .15 .26 .62 .39 1.86 Education and communication .01 .10 01 .16 04 .25 .50 Other goods and services .14 .18 .12 .23 .20 .35 .45 Special aggregate indexes Commodities 14 .12 11 .15 04 .22 .57	.78
Medical care commodities .06 .24 .26 .38 1.08 .60 2.54 Medical care services .26 .14 .66 .21 1.96 .31 4.58 Professional services .18 .13 .27 .19 1.38 .34 3.22 Recreation .06 .17 .15 .26 .62 .39 1.86 Education and communication .01 .10 01 .16 04 .25 .50 Other goods and services .14 .18 .12 .23 .20 .35 .45 Special aggregate indexes Commodities 14 .12 11 .15 04 .22 .57	.93
Medical care services .26 .14 .66 .21 1.96 .31 4.58 Professional services .18 .13 .27 .19 1.38 .34 3.22 Recreation .06 .17 .15 .26 .62 .39 1.86 Education and communication .01 .10 01 .16 04 .25 .50 Other goods and services .14 .18 .12 .23 .20 .35 .45 Special aggregate indexes Commodities 14 .12 11 .15 04 .22 .57	.36
Professional services .18 .13 .27 .19 1.38 .34 3.22 Recreation .06 .17 .15 .26 .62 .39 1.86 Education and communication .01 .10 01 .16 04 .25 .50 Other goods and services .14 .18 .12 .23 .20 .35 .45 Special aggregate indexes Commodities 14 .12 11 .15 04 .22 .57	.85
Recreation .06 .17 .15 .26 .62 .39 1.86 Education and communication .01 .10 01 .16 04 .25 .50 Other goods and services .14 .18 .12 .23 .20 .35 .45 Special aggregate indexes Commodities 14 .12 11 .15 04 .22 .57	.44
Education and communication .01 .10 01 .16 04 .25 .50 Other goods and services .14 .18 .12 .23 .20 .35 .45 Special aggregate indexes Commodities 14 .12 11 .15 04 .22 .57	.45
Other goods and services .14 .18 .12 .23 .20 .35 .45 Special aggregate indexes Commodities 14 .12 11 .15 04 .22 .57	.46
Special aggregate indexes 14 .12 11 .15 04 .22 .57	.36
Commodities14 .1211 .1504 .22 .57	.39
Commodities less food and beverages -49 18 -48 21 -100 22 25	.27
	.38
Nondurables less food and beverages	.51
Nondurables less food, beverages, and apparel	.29 .44
Services 24 .09 .49 .13 1.72 .18 3.42	.18
Rent of shelter	.30
Transportation services	.40
Other services	.30
All items less food .11 .08 .13 .12 .93 .17 2.21 All items less shelter .10 .08 .15 .12 .88 .16 2.12	.19 .19
All items less medical care	.18
Commodities less food	.37
Nondurables less food	.48
Nondurables less food and apparel	.28
Nondurables 09 .14 .00 .19 .85 .26 1.79 Services less rent of shelter .29 .09 .70 .14 2.14 .19 4.38	20
Services less medical care services	.30 20
Energy	.30 .20 .18
All items less energy	.20 .18 .45
All items less food and energy	.20 .18 .45 .19
Commodities less food and energy commodities 39 .18 60 .24 -1.27 .36 -1.66 Energy commodities	.20 .18 .45 .19 .21
Services less energy services	.20 .18 .45 .19

Table 5V. West Region, median price change and median price change standard error for the Consumer Price Index for All Urban Consumers (CPI-U), by detailed expenditure categories for 1-, 2-, 6-, and 12-month intervals, 2003

				We	est			
thom and group	1 M	onth	2 M	onth	6 M	onth	12 M	lonth
Item and group	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error	Median price change	Median standard error
Expenditure category								
All items	. 0.04	0.13	0.26	0.16	1.00	0.24	2.03	0.23
Food and beverages	35	.21	.55	.25	1.37	.30	2.60	.32
Food at home		.21 .34	.55 .82	.27 .44	1.38 1.65	.32 .49	2.63 3.12	.36 .49
Food away from home		.07	.37	.13	1.00	.26	1.92	.34
Alcoholic beverages	23	.33	.40	.64	1.19	.51	2.30	.47
Housing	1	.20	.12	.32	.75	.49	1.57	.41
Shelter Rent of primary residence	1	.28	.14 .44	.40 .15	.95 1.33	.56	2.04 2.64	.50 .40
Owners' equivalent rent of primary residence		.08	.30	.13	.88	.20	1.90	.30
Fuels and utilities		.21	.43	.31	.93	.72	1.91	.52
Fuels		.21	.29	.39	.49	.89	1.49	.60
Gas (piped) and electricity Electricity		.21 .16	.37 66	.40 .32	.35 -2.64	.91 1.25	1.15	.62 .86
Utility (piped) gas service		.62	1.20	.58	8.80	1.95	17.00	2.72
Household furnishings and operations	13	.28	41	.40	-1.32	.71	-2.31	.81
Apparel	35	.95	09	1.25	29	1.74	-2.30	1.83
Transportation	17	.17	50	.20	1.16	.26	3.34	.30
Private transportation		.17	61	.20	1.15	.26	3.70	.31
New and used motor vehicles New vehicles		.19 .28	74 70	.25 .41	-2.13 -1.55	.32 .52	-2.70 -1.78	.32 .62
New cars and trucks	1	.30	71	.50	-1.57	.61	-1.79	.61
New cars		.32	77	.47	-1.51	.62	-1.91	.52
Used cars and trucks		.07	-1.07	.14	-3.12	.28	-4.76	.38
Motor fuel	1	.43	-1.10 -1.04	.52 .50	6.97 7.05	.66	17.28 17.50	.77 .79
Gasoline, unleaded regular	1	.78	-1.08	1.17	7.43	1.38	18.21	1.43
Gasoline, unleaded midgradeGasoline, unleaded premium		.85 .68	66 82	1.09 .94	5.56 6.21	1.35 1.06	16.54 15.88	1.46 1.27
Medical care	30	.20	.58	.27	1.77	.46	3.83	.65
Medical care commodities	1	.37	.22	.53	.73	.81	1.77	1.09
Medical care services	1	.24	.69	.31	2.11	.56	4.35	.83
Professional services	25	.16	.46	.26	1.58	.40	3.24	.75
Recreation	06	.19	.28	.31	.74	.46	.95	.53
Education and communication	02	.17	.24	.21	1.24	.37	2.71	.55
Other goods and services	17	.18	.42	.28	1.52	.36	2.54	.42
Special aggregate indexes								
Commodities		.15	28	.19	.36	.26	1.00	.28
Commodities less food and beverages		.20	82	.26	19	.37	.32	.41
Nondurables less food and beverages Nondurables less food, beverages, and apparel		.33	70 28	.42	1.25 2.66	.62	3.68 6.46	.71
Durables		.21	84	.32	-2.29	.35	-3.51	.44
Services		.16	.37	.22	1.26	.37	2.68	.33
Rent of shelter Transportation services	1	.29	.14	.40 .26	.93 1.58	.56	2.04 3.43	.49 .45
Other services	1	.12	.56	.19	1.90	.27	3.88	.38
All items less food	03	.14	.21	.18	.96	.27	1.98	.25
All items less shelter		.10	.06 .25	.13	.96 .96	.18	2.00 1.93	.22
All items less medical care	1	.13	.25 77	.17	.96 14	.26	1.93	.23
Nondurables less food	81	.31	61	.40	1.24	.58	3.55	.67
Nondurables less food and apparel		.23	15	.29	2.51	.36	5.99	.41
Nondurables		.19	02 .49	.24 .12	1.27 1.66	.34	3.00 3.50	.36
Services less medical care services	1	.18	.35	.12	1.21	.39	2.53	.33
Energy	39	.35	08	.40	4.52	.63	9.39	.70
All items less energy		.14	.15 .06	.16 .18	.74 .67	.25	1.52 1.39	.24 .27
Commodities less food and energy commodities	1	.15	67	.30	96	.40	-1.91	.45
Energy commodities	81	.43	-1.06	.52	6.87	.63	17.21	.77
Services less energy services	15	.18	.31	.24	1.36	.36	2.74	.34