

Appendix A

Survey Source of Data for Consumer Expenditure Survey Integrated Tables, 2009

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Survey Source of Data for Consumer Expenditure Survey Integrated Tables, 2009

The detailed list of characteristics, income, and expenditure items below shows which component—the Diary Survey or the Interview Survey—was used as the source for that item in the published Consumer Expenditure Survey data tables.

I = Interview Survey D = Diary Survey

Number of consumer units (in thousands)	I
Consumer unit characteristics:	
Income before taxes	I
Income after taxes	I
Age of reference person	I
Average number in consumer unit:	
Persons	I
Children under 18	I
Persons 65 and older	I
Earners	I
Vehicles	I
Vehicles (owned)	I
Vehicles (leased)	I
Percent distribution:	
Sex of reference person:	
Male	I
Female	I
Housing tenure:	
Homeowner	
With mortgage	I
Without mortgage	I
Renter	I
Race of reference person:	
Black or African-American	I
White, Asian, and all other races	I
White	I
Asian	I
All other races	I
Hispanic or Latino origin of reference person:	
Hispanic or Latino	I
Not Hispanic or Latino	I
Education of reference person:	
Elementary (1-8)	I
High school (9-12)	I
College	I
Never attended and other	I
At least one vehicle owned or leased	
At least one vehicle owned	I
At least one vehicle leased	I
Average annual expenditures	
Food	
Food at home	
Cereals and bakery products	
Cereals and cereal products	
Flour	D
Prepared flour mixes	D
Ready-to-eat and cooked cereals	D
Rice	D
Pasta, cornmeal and other cereal products	D
Bakery products	
Bread	
White bread	D
Bread, other than white	D
Cookies and crackers	

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Cookies	D
Crackers	D
Frozen and refrigerated bakery products	D
Other bakery products	
Biscuits and rolls	D
Cakes and cupcakes	D
Bread and cracker products	D
Sweetrolls, coffee cakes, doughnuts	D
Pies, tarts, turnovers	D
Meats, poultry, fish, and eggs	
Beef	
Ground beef	D
Roast	
Chuck roast	D
Round roast	D
Other roast	D
Steak	
Round steak	D
Sirloin steak	D
Other steak	D
Other beef	D
Pork	
Bacon	D
Pork chops	D
Ham	
Ham, not canned	D
Canned ham	D
Sausage	D
Other pork	D
Other meats	
Frankfurters	D
Lunch meats (cold cuts)	
Bologna, liverwurst, salami	D
Other lunchmeats	D
Lamb, organ meats and others	
Lamb and organ meats	D
Mutton, goat and game	D
Poultry	
Fresh and frozen chickens	
Fresh and frozen whole chicken	D
Fresh and frozen chicken parts	D
Other poultry	D
Fish and seafood	
Canned fish and seafood	D
Fresh fish and shellfish	D
Frozen fish and shellfish	D
Eggs	D
Dairy products	
Fresh milk and cream	
Fresh milk, all types	D
Cream	D
Other dairy products	
Butter	D
Cheese	D
Ice cream and related products	D
Miscellaneous dairy products	D
Fruits and vegetables	
Fresh fruits	
Apples	D
Bananas	D
Oranges	D
Citrus fruits, excluding oranges	D
Other fresh fruits	D
Fresh vegetables	
Potatoes	D
Lettuce	D
Tomatoes	D
Other fresh vegetables	D
Processed fruits	
Frozen fruits and fruit juices	
Frozen orange juice	D

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Frozen fruits	D
Frozen fruit juices	D
Canned fruits	D
Dried fruit	D
Fresh fruit juice	D
Canned and bottled fruit juice	D
Processed vegetables	
Frozen vegetables	D
Canned and dried vegetables and juices	
Canned beans	D
Canned corn	D
Canned miscellaneous vegetables	D
Dried peas	D
Dried beans	D
Dried miscellaneous vegetables	D
Dried processed vegetables	D
Frozen vegetable juices	D
Fresh and canned vegetable juices	D
Other food at home	
Sugar and other sweets	
Candy and chewing gum	D
Sugar	D
Artificial sweeteners	D
Jams, preserves, other sweets	D
Fats and oils	
Margarine	D
Fats and oils	D
Salad dressings	D
Nondairy cream and imitation milk	D
Peanut butter	D
Miscellaneous foods	
Frozen prepared foods	
Frozen meals	D
Other frozen prepared foods	D
Canned and packaged soups	D
Potato chips, nuts, and other snacks	
Potato chips and other snacks	D
Nuts	D
Condiments and seasonings	
Salt, spices, other seasonings	D
Olives, pickles, relishes	D
Sauces and gravies	D
Baking needs and miscellaneous products	D
Other canned and packaged prepared foods	
Prepared salads	D
Prepared desserts	D
Baby food	D
Miscellaneous prepared foods	D
Vitamin supplements	D
Nonalcoholic beverages	
Cola	D
Other carbonated drinks	D
Tea	D
Coffee	
Roasted coffee	D
Instant and freeze dried coffee	D
Noncarbonated fruit flavored drinks, including non-frozen lemonade	D
Other noncarbonated beverages and ice	D
Bottled water	D
Sports drinks (new 2008Q1)	D
Nonalcoholic beer	D
Food prepared by consumer unit on out-of-town trips	I
Food away from home	
Meals at restaurants, carry outs and other	
Lunch	
Lunch at fast food, take-out, delivery, concession stands, buffet and cafeteria (other than employer and school cafeteria)	D
Lunch at full service restaurants	D
Lunch at vending machines and mobile vendors	D

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Lunch at employer and school cafeterias	D
Dinner	
Dinner at fast food, take-out, delivery, concession stands, buffet and cafeteria (other than employer and school cafeteria)	D
Dinner at full service restaurants	D
Dinner at vending machines and mobile vendors	D
Dinner at employer and school cafeterias	D
Snacks and nonalcoholic beverages	
Snacks and nonalcoholic beverages at fast food, take-out, delivery, concession stands, buffet and cafeteria (other than employer and school cafeteria)	D
Snacks and nonalcoholic beverages at full service restaurants	D
Snacks and nonalcoholic beverages at vending machines and mobile vendors	D
Snacks and nonalcoholic beverages at employer and school cafeterias	D
Breakfast and brunch	
Breakfast and brunch at fast food, take-out, delivery, concession stands, buffet and cafeteria (other than employer and school cafeteria)	D
Breakfast and brunch at full service restaurants	D
Breakfast and brunch at vending machines and mobile vendors	D
Breakfast and brunch at employer and school cafeterias	D
Food or board at school	I
Catered affairs	I
Food on out-of-town trips	I
School lunches	I
Meals as pay	I
Alcoholic beverages	
At home	
Beer and ale	D
Whiskey	D
Wine	D
Other alcoholic beverages	D
Away from home	
Beer and ale	
Beer and ale at fast food, take-out, delivery, concession stands, buffet and cafeteria	D
Beer and ale at full service restaurants	D
Beer and ale at vending machines and mobile vendors	D
Beer at employer	D
Beer at board	D
Beer and ale at catered affairs	D
Wine	
Wine at fast food, take-out, delivery, concession stands, buffet and cafeteria	D
Wine at full service restaurants	D
Wine at vending machines and mobile vendors	D
Wine at employer	D
Wine at board	D
Wine at catered affairs	D
Other alcoholic beverages	
Other alcoholic beverages at fast food, take-out, delivery, concession stands, buffet and cafeteria	D
Other alcoholic beverages at full service restaurants	D
Other alcoholic beverages at vending machines and mobile vendors	D
Other alcohol at employer	D
Other alcohol at board	D
Other alcoholic beverages at catered affairs	D
Alcoholic beverages purchased on trips	I
Housing	
Shelter	
Owned dwellings	

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Mortgage interest and charges	
Mortgage interest	
Interest paid, home equity loan	
Interest paid, home equity line of credit	
Property taxes	
Maintenance, repairs, insurance, other expenses	
Homeowners insurance	
Ground rent	
Maintenance and repair services	
Painting and papering	
Plumbing and water heating	
Heat, a/c, electrical work	
Roofing and gutters	
Other repair and maintenance services	
Repair and replacement of hard surface flooring	
Repair of built-in appliances	
Maintenance and repair commodities	
Paints, wallpaper and supplies	
Tools and equipment for painting and wallpapering	
Plumbing supplies and equipment	
Electrical supplies, heating and cooling equipment	
Materials for hard surface flooring, repair and replacement	
Materials and equipment for roof and gutters	
Materials for plaster., panel., siding, windows, doors, screens, awnings	
Materials for patio, walk, fence, driveway, masonry, brick and stucco work	
Materials for landscaping maintenance	
Miscellaneous supplies and equipment	
Material for insulation, other maintenance and repair	
Materials to finish basement, remodel rooms or build patios, walks, etc. (maint., repair and repl. - owned properties)	
Property management and security	
Property management	
Management and upkeep services for security	
Parking	
Rented dwellings	
Rent	
Rent as pay	
Maintenance, insurance and other expenses	
Tenant's insurance	
Maintenance and repair services	
Repair or maintenance services	
Repair and replacement of hard surface flooring	
Repair of built-in appliances	
Maintenance and repair commodities	
Paint, wallpaper, and supplies	
Tools and equipment for painting and wallpapering	
Materials for plastering, panels, roofing, gutters, etc.	
Materials for patio, walk, fence, driveway, masonry, brick and stucco work	
Plumbing supplies and equipment	
Electrical supplies, heating and cooling equipment	
Miscellaneous supplies and equipment	
Material for insulation, other maintenance and repair	
Materials for additions, finishing basements, remodeling rooms	
Construction materials for jobs not started	
Material for hard surface flooring	
Material for landscape maintenance	
Other lodging	
Owned vacation homes	
Mortgage interest and charges	
Mortgage interest	

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Interest paid, home equity loan	
Interest paid, home equity line of credit	
Property taxes	
Maintenance, insurance, and other expenses	
Homeowners insurance	
Ground rent	
Maintenance and repair services	
Repair and remodeling services	
Repair and replacement of hard surface flooring	
Maintenance and repair commodities	
Paints, wallpaper, supplies	
Tools and equipment for painting and wallpapering	
Materials for plastering, paneling, roofing, gutters, downspouts, siding, windows, doors, screens, and awnings	
Material for patio, walk, fence, drive, masonry, brick, stucco	
Plumbing supplies and equipment	
Electrical supplies, heating and cooling equipment	
Miscellaneous supplies and equipment	
Material for insulation, other maintenance and repair	
Material for finishing basements and remodeling rooms	
Materials for hard surface flooring	
Materials for landscaping maintenance	
Property management and security	
Property management	
Management and upkeep services for security	
Parking	
Housing while attending school	
Lodging on out-of-town trips	
Utilities, fuels, and public services	
Natural gas	
Utility--natural gas (renter)	
Utility--natural gas (owned home)	
Utility--natural gas (owned vacation)	
Utility--natural gas (rented vacation)	
Electricity	
Electricity (renter)	
Electricity (owned home)	
Electricity (owned vacation)	
Electricity (rented vacation)	
Fuel oil and other fuels	
Fuel oil	
Fuel oil (renter)	
Fuel oil (owned home)	
Fuel oil (owned vacation)	
Fuel oil (rented vacation)	
Coal, wood, and other fuels	
Coal, wood, other fuels (renter)	
Coal, wood, other fuels (owned home)	
Coal, wood, other fuels (owned vacation)	
Coal, wood, other fuels (rented vacation)	
Bottled gas	
Gas, btld/tank (renter)	
Gas, btld/tank (owned home)	
Gas, btld/tank (owned vacation)	
Gas, btld/tank (rented vacation)	
Telephone services	
Residential telephone/pay phones	
Cellular phone service	
Phone cards	
Voice over IP service	
Water and other public services	
Water and sewerage maintenance	
Water/sewer maint. (renter)	
Water/sewer maint. (owned home)	
Water/sewer maint. (owned vacation)	

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Water/sewer maint. (rented vacation)	
Trash and garbage collection	
Trash/garb. coll. (renter)	
Trash/garb. coll. (owned home)	
Trash/garb. coll. (owned vacation)	
Trash/garb. coll. (rented vacation)	
Septic tank cleaning	
Septic tank clean. (renter)	
Septic tank clean. (owned home)	
Septic tank clean. (owned vacation)	
Septic tank clean. (rented vacation)	
Household operations	
Personal services	
Babysitting and child care in your own home	
Babysitting and child care in someone else's home	
Care for elderly, invalids, handicapped, etc.	
Adult day care centers	
Day care centers, nursery, and preschools	
Other household expenses	
Housekeeping services	
Gardening, lawn care service	
Water softening service	
Household laundry and dry cleaning, sent out (nonclothing) not coin-operated	
Coin-operated household laundry and dry cleaning (nonclothing)	
Services for termite/pest control	
Home security system service fee	
Other home services	
Termite/pest control products	
Moving, storage, freight	
Appliance repair, including service center	
Reupholstering, furniture repair	
Repairs/rentals of lawn and garden equipment, hand or power tools, other household equipment	
Appliance rental	
Rental of office equipment for nonbusiness use	
Repair of miscellaneous household equipment and furnishings	D
Repair of computer systems for nonbusiness use	
Computer information services	
Installation of computer	
Rental and installation of dishwashers, range hoods, and garbage disposals	
Housekeeping supplies	
Laundry and cleaning supplies	
Soaps and detergents	D
Other laundry cleaning products	D
Other household products	
Cleansing and toilet tissue, paper towels and napkins	D
Miscellaneous household products	D
Lawn and garden supplies	D
Postage and stationery	
Stationery, stationery supplies, giftwrap	D
Postage	D
Delivery services	D
Household furnishings and equipment	
Household textiles	
Bathroom linens	D
Bedroom linens	D
Kitchen and dining room linens	D
Curtains and draperies	
Slipcovers, decorative pillows	
Sewing materials for slipcovers, curtains, other sewing materials for the home	
Other linens	
Furniture	
Mattress and springs	
Other bedroom furniture	
Sofas	
Living room chairs	

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Living room tables	I
Kitchen, dining room furniture	I
Infants' furniture	I
Outdoor furniture	D
Wall units, cabinets and other occasional furniture	I
Floor coverings	
Wall-to-wall carpeting (renter)	
Wall-to-wall carpet (renter)	I
Wall-to-wall carpet (replacement)(renter)	I
Wall-to-wall carpet (replacement) (owned home)	I
Floor coverings, nonpermanent	I
Major appliances	
Dishwashers (built-in), garbage disposals, range hoods, (renter)	I
Dishwashers (built-in), garbage disposals, range hoods, (owned home)	I
Refrigerators, freezers (renter)	I
Refrigerators, freezers (owned home)	I
Washing machines (renter)	I
Washing machines (owned home)	I
Clothes dryers (renter)	I
Clothes dryers (owned home)	I
Cooking stoves, ovens (renter)	I
Cooking stoves, ovens (owned home)	I
Microwave ovens (renter)	I
Microwave ovens (owned home)	I
Portable dishwasher (renter)	I
Portable dishwasher (owned home)	I
Window air conditioners (renter)	I
Window air conditioners (owned home)	I
Electric floor cleaning equipment	I
Sewing machines	I
Miscellaneous household appliances	D
Small appliances, miscellaneous housewares	
Housewares	
Plastic dinnerware	I
China and other dinnerware	D
Flatware	I
Glassware	D
Silver serving pieces	D
Other serving pieces	I
Nonelectric cookware	D
Tableware, nonelectric kitchenware	D
Small appliances	
Small electric kitchen appliances	I
Portable heating and cooling equipment	D
Miscellaneous household equipment	
Window coverings	I
Infants' equipment	D
Laundry and cleaning equipment	D
Outdoor equipment	D
Lamps and lighting fixtures	D
Clocks and other household decorative items	D
Telephones and accessories	D
Lawn and garden equipment	D
Power tools	D
Office furniture for home use	I
Hand tools	D
Indoor plants, fresh flowers	D
Closet and storage items	D
Rental of furniture	I
Luggage	D
Computers and computer hardware for nonbusiness use	I
Portable memory (new 2009Q2)	I
Computer software and accessories for nonbusiness use	I
Personal digital assistants	I
Internet services away from home	I
Telephone answering devices	I
Business equipment for home use	I
Other hardware	D
Smoke alarms (owned home)	I

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Smoke alarms (renter)	I
Smoke alarms (owned vacation)	I
Other household appliances (owned home)	I
Other household appliances (renter)	I
Miscellaneous household equipment and parts	D
Apparel and services	
Men and boys	
Men, 16 and over	
Men's suits	I
Men's sportcoats, tailored jackets	I
Men's coats and jackets	D
Men's underwear	D
Men's hosiery	D
Men's nightwear	I
Men's accessories	D
Men's sweaters and vests	D
Men's active sportswear	D
Men's shirts	D
Men's pants and shorts	D
Men's uniforms	I
Men's costumes	I
Boys, 2 to 15	
Boys' coats and jackets	I
Boys' sweaters	I
Boys' shirts	D
Boys' underwear	D
Boys' nightwear	I
Boys' hosiery	D
Boys' accessories	D
Boys' suits, sportcoats, vests	I
Boys' pants and shorts	I
Boys' uniforms	I
Boys' active sportswear	I
Boys' costumes	I
Women and girls	
Women, 16 and over	
Women's coats and jackets	D
Women's dresses	D
Women's sportcoats, tailored jackets	I
Women's vests and sweaters	D
Women's shirts, tops, blouses	D
Women's skirts	D
Women's pants and shorts	D
Women's active sportswear	D
Women's sleepwear	D
Women's undergarments	D
Women's hosiery	D
Women's suits	I
Women's accessories	D
Women's uniforms	I
Women's costumes	I
Girls, 2 to 15	
Girls' coats and jackets	D
Girls' dresses and suits	D
Girls' shirts, blouses, sweaters	D
Girls' skirts, pants, and shorts	I
Girls' active sportswear	D
Girls' underwear and sleepwear	D
Girls' hosiery	D
Girls' accessories	D
Girls' uniforms	I
Girls' costumes	I
Children under 2	
Infant coat, jacket, snowsuit	I
Infant dresses, outerwear	I
Infant underwear	D
Infant nightwear, loungewear	I
Infant accessories	D
Footwear	
Men's footwear	D

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Boys' footwear	D
Women's footwear	D
Girls' footwear	D
Other apparel products and services	
Material for making clothes	D
Sewing patterns and notions	D
Watches	D
Jewelry	I
Shoe repair and other shoe service	I
Coin-operated apparel laundry and dry cleaning	I
Alteration, repair and tailoring of apparel and accessories	I
Clothing rental	I
Watch and jewelry repair	I
Apparel laundry and dry cleaning not coin-operated	I
Clothing storage	I
Transportation	
Vehicle purchases (net outlay)	
Cars and trucks, new	
New cars	I
New trucks	I
Cars and trucks, used	
Used cars	I
Used trucks	I
Other vehicles	
New motorcycles	I
New aircraft	I
Used motorcycles	I
Used aircraft	I
Gasoline and motor oil	
Gasoline	I
Diesel fuel	I
Gasoline on out-of-town trips	I
Gasohol	D
Motor oil	I
Motor oil on out-of-town trips	I
Other vehicle expenses	
Vehicle finance charges	
Automobile finance charges	I
Truck finance charges	I
Motorcycle and plane finance charges	I
Other vehicle finance charges	I
Maintenance and repairs	
Coolant, brake fluid, transmission fluid, and other additives	I
Tires - purchased, replaced, installed	I
Parts, equipment, and accessories	I
Vehicle audio equipment	I
Vehicle products and cleaning services	D
Vehicle video equipment	I
Misc. auto repair, servicing	D
Body work and painting	I
Clutch, transmission repair	I
Drive shaft and rear-end repair	I
Brake work, including adjustments	I
Repair to steering or front-end	I
Repair to engine cooling system	I
Motor tune-up	I
Lube, oil change, and oil filters	I
Front-end alignment, wheel balance and rotation	I
Shock absorber replacement	I
Gas tank repair, replacement	D
Repair tires and other repair work	I
Vehicle air conditioning repair	I
Exhaust system repair	I
Electrical system repair	I
Motor repair, replacement	I
Auto repair service policy	I
Vehicle insurance	D
Vehicle rental, leases, licenses, and other charges	

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Leased and rented vehicles	
Rented vehicles	
Auto rental	
Auto rental, out-of-town trips	
Truck rental	
Truck rental, out-of-town trips	
Motorcycle rental	
Motorcycle rental, out-of-town trips	
Aircraft rental	
Aircraft rental, out-of-town trips	
Leased vehicles	
Car lease payments	
Cash downpayment (car lease)	
Termination fee (car lease)	
Truck lease payments	
Cash downpayment (truck lease)	
Termination fee (truck lease)	
Vehicle registration state	
Vehicle registration local	
Drivers' license	
Vehicle inspection	
Parking fees	
Parking fees in home city, excluding residence	
Parking fees, out-of-town trips	
Tolls or electronic toll passes	
Tolls on out-of-town trips	
Towing charges	
Global positioning services	
Automobile service clubs	
Public transportation	
Airline fares	
Intercity bus fares	
Intracity mass transit fares	
Local trans. on out-of-town trips	
Taxi fares and limousine services on trips	
Taxi fares and limousine services	D
Intercity train fares	
Ship fares	
School bus	
Healthcare	
Health insurance	
Commercial health insurance	
Traditional fee for service health plan (not BCBS)	
Preferred provider health plan (not BCBS)	
Blue Cross, Blue Shield	
Traditional fee for service health plan (BCBS)	
Preferred provider health plan (BCBS)	
Health maintenance organization (BCBS)	
Commercial medicare supplement (BCBS)	
Other health insurance (BCBS)	
Health maintenance organization (not BCBS)	
Medicare payments	
Medicare prescription drug premium	
Commercial medicare supplements and other health insurance	
Commercial medicare supplement (not BCBS)	
Other health insurance (not BCBS)	
Long term care insurance	
Medical services	
Physician's services	
Dental services	
Eyecare services	
Service by professionals other than physician	
Lab tests, x-rays	
Hospital room and services	
Medical care in retirement community	
Care in convalescent or nursing home	
Repair of medical equipment	D
Other medical care services	
Drugs	

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Nonprescription drugs	D
Nonprescription vitamins	D
Prescription drugs	I
Medical supplies	
Eyeglasses and contact lenses	I
Hearing aids	I
Topicals and dressings	D
Medical equipment for general use	I
Supportive and convalescent medical equipment	I
Rental of medical equipment	I
Rental of supportive, convalescent medical equipment	I
Entertainment	
Fees and admissions	
Recreation expenses, out-of-town trips	I
Social, recreation, health club membership	I
Fees for participant sports	D
Participant sports, out-of-town trips	I
Movie, theater, amusement parks, and other	I
Movie, other admissions, out-of-town trips	I
Admission to sporting events	I
Admission to sports events, out-of-town trips	I
Fees for recreational lessons	I
Other entertainment services, out-of-town trips	I
Audio and visual equipment and services	
Radios	I
Phonographs	D
Televisions	I
Tape recorders and players	D
Cable and satellite television services	I
Miscellaneous sound equipment	D
Miscellaneous video equipment (new 2008Q1)	D
Satellite radio service	I
Sound equipment accessories	D
Online gaming services	I
VCR's and video disc players	I
Digital media players and recorders	D
Video game hardware and software	D
Video cassettes, tapes, and discs	I
Streaming, downloading video	I
Repair of tv, radio, and sound equipment	I
Rental of televisions	I
Personal digital audio players	I
Sound components and component systems	I
Satellite dishes	I
CDs, records, audio tapes	I
Streaming, downloading audio	I
Rental of VCR, radio, and sound equipment	I
Musical instruments and accessories	I
Rental and repair of musical instruments	I
Rental of video cassettes, tapes, films, and discs	I
Rental of computer and video game hardware and software	I
Installation of televisions	I
Installation of satellite television equipment	I
Installation of sound systems	I
Installation of other video equipment or sound systems	I
Pets, toys, hobbies, and playground equipment	
Pets	
Pet food	D
Pet purchase, supplies, medicine	I
Pet services	I
Vet services	D
Toys, games, arts and crafts, and tricycles	D
Stamp and coin collecting	I
Playground equipment	I
Other entertainment supplies, equipment, and services	
Unmotored recreational vehicles	
Boat without motor and boat trailers	I
Trailer and other attachable campers	I
Motorized recreational vehicles	
Purchase of motorized camper	I

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Purchase of other vehicle	I
Purchase of boat with motor	I
Rental of recreational vehicles	
Rental noncamper trailer	I
Boat and trailer rental out-of-town trips	I
Rental of campers on out-of-town trips	I
Rental of other vehicles on out-of-town trips	I
Rental of boat	I
Rental of motorized camper	I
Rental of other RV's	I
Outboard motors	I
Docking and landing fees	I
Sports, recreation and exercise equipment	
Athletic gear, game tables, and exercise equipment	D
Bicycles	I
Camping equipment	D
Hunting and fishing equipment	D
Winter sports equipment	I
Water sports equipment	I
Other sports equipment	I
Global positioning system devices	D
Rental and repair of miscellaneous sports equipment	I
Photographic equipment, supplies and services	
Film	I
Other photographic supplies	D
Photo processing	I
Repair and rental of photographic equipment	I
Photographic equipment	I
Photographer fees	D
Fireworks	D
Souvenirs	D
Visual goods	D
Pinball, electronic video games	D
Live entertainment for catered affairs	I
Rental of party supplies for catered affairs	I
Personal care products and services	
Personal care products	
Hair care products	D
Nonelectric articles for the hair	D
Wigs and hairpieces	I
Oral hygiene products, articles	D
Shaving needs	D
Cosmetics, perfume, bath preparations	D
Deodorants, feminine hygiene, miscellaneous personal care	D
Electric personal care appliances	D
Personal care services	
Personal care services	I
Repair of personal care appliances	D
Reading	
Newspaper, magazine by subscription	I
Newspaper, magazine non-subscription	I
Newsletters	D
Books thru book clubs	I
Books not thru book clubs	I
Encyclopedia and other sets of reference books	I
Education	
College tuition	I
Elementary and high school tuition	I
Vocational and technical school tuition	I
Test preparation, tutoring services (new 2009Q2)	I
Other schools tuition	I
Other school expenses including rentals	I
School books, supplies, equipment for college	I
School books, supplies, equipment for elementary, high school	I
School books, supplies, equipment for vocational and technical schools	I

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

School books, supplies, equipment for day care, nursery	I
School books, supplies, equipment for other schools	I
School supplies, etc. - unspecified	D
Tobacco products and smoking supplies	
Cigarettes	I
Other tobacco products	I
Smoking accessories	D
Marijuana	D
Miscellaneous	
Miscellaneous fees	D
Lotteries and pari-mutuel losses	D
Legal fees	I
Funeral expenses	I
Safe deposit box rental	I
Checking accounts, other bank service charges	I
Cemetery lots, vaults, maintenance fees	I
Accounting fees	I
Miscellaneous personal services	D
Dating services	I
Finance charges excluding mortgage and vehicle	I
Occupational expenses	I
Expenses for other properties	I
Interest paid, home equity line of credit (other property)	I
Credit card memberships	I
Shopping club membership fees	I
Vacation clubs	I
Cash contributions	
Support for college students	I
Alimony expenditures	I
Child support expenditures	I
Gift to non-CU members of stocks, bonds, and mutual funds	I
Cash contributions to charities and other organizations	I
Cash contributions to church, religious organizations	I
Cash contribution to educational institutions	I
Cash contribution to political organizations	I
Other cash gifts	I
Personal insurance and pensions	
Life and other personal insurance	
Life, endowment, annuity, other personal insurance	I
Other nonhealth insurance	I
Pensions and Social Security	
Deductions for government retirement	I
Deductions for railroad retirement	I
Deductions for private pensions	I
Non-payroll deposit to retirement plans	I
Deductions for Social Security	I
Sources of income and personal taxes:	
Money income before taxes	
Wages and salaries	I
Self-employment income	
Net business income	I
Net farm income	I
Social Security, private and government retirement	
Social Security and railroad retirement income	I
Pensions and annuities	I
Interest, dividends, rental income, other property income	
Interest	I
Dividends, royalties, estates, trusts	I
Roomer and boarder income	I
Other rental income	I
Unemployment and workers' compensation, veterans' benefits	
Unemployment compensation	I
Workers' compensation and veterans' benefits	I
Public assistance, supplemental security income, food	

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

stamps	
Supplemental security income	
Public assistance	
Food stamps	
Regular contributions for support	
Child support payments	
Other regular contributions including alimony	
Other income	
Meals as pay	
Rent as pay	
Other income	
Personal taxes	
Federal income taxes	
Federal income tax deducted	
Additional federal income tax paid	
Federal income tax refunds	
2008 Tax stimulus (new 2008Q2) (thru 2009Q1)	
State and local income taxes	
State and local income tax deducted	
Additional state and local income tax paid	
State and local income tax refunds	
Other taxes	
Personal property taxes	
Other taxes	
Other tax refunds	
Income after taxes	
Meals as pay	
Rent as pay	
Income after taxes	
2008 Tax stimulus (new 2008Q2) (thru 2009Q1)	
Addenda:	
Net change in total assets and liabilities	
Net change in total assets	
Change in accounts	
Change in savings account	
Change in checking account	
Change in U.S. savings bonds	
Change in securities	
Purchase price of stocks, bonds or mutual funds including broker fees	
Sale price of stocks, bonds, and mutual funds, net	
Change in money owed to consumer unit	
Change in investments to own farm or business	
Investments to farm or business	
Assets taken from farm or business	
Change in surrender of insurance policies	
Change in net property holdings (owned home)	
Purchase price of property (owned home)	
Closing costs purchase of property (owned home)	
Special assessments (owned home)	
Sale price of property or trade-in amount (owned home)	
Mortgage principal held after sale of real estate (owned home) (thru 2009Q1)	
Total expenses in sale of property (owned home)	
Change in capital improvements (owned home)	
Capital improvement labor and materials (owned home)	
Wall-to-wall carpeting	
Capital improvement material (owned home)	
Materials and supplies purchased for insulation, dwellings under constr, additions, finishing, remodeling, landscaping, etc.	
Dishwasher, disposal, or range hood	
Labor and materials for dwellings under construction and additions	
Change in net property holdings (owned vacation)	
Purchase price of property (owned vacation)	
Closing costs on purchase of property (owned vacation)	
Special assessments (owned vacation)	

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Sale price of property or trade-in amount (owned vacation)	
Mortgage principal held after sale of real estate (owned vacation)	
Total expenses in sale of property (owned vacation)	
Change in capital improvements (owned vacation)	
Capital improvement labor and materials (owned vacation)	
Supplies purchased for additions, maintenance and repairs, and new construction	
Change in net property holdings (other property)	
Purchase price of property (other property)	
Closing costs purchase of property (other property)	
Special assessments (other property)	
Sale price of property or trade-in amount (other property)	
Mortgage held after sale of real estate (other property) (thru 2009Q1)	
Total expenses in sale of property (other property)	
Change in capital improvements (other property)	
Property management, security, parking (other property)	
Capital improvement services, labor, materials and equipment (other property)	
Contractors labor and materials, supplies CU obtained, appliances provided by contractor, oth property	
Management services and improvements of other properties	
Dishwasher, disposal, range hood capital improvement (other property)	
Change in vehicle sales	
Sale of automobiles	
Sale of trucks, including vans	
Sale of motor camper	
Sale of other vehicles	
Sale of trailer type and other attachable campers	
Sale of motorcycles	
Sale of boats, with motors	
Sale of boats, without motors and boat trailers	
Sale of aircraft	
Net change in total liabilities	
Change in amount owed to creditors	
Total amount owed 2nd interview, CY Q1	
Total amount owed 5th interview, CY Q1	
Total amount owed 2nd interview, CY+1, Q1	
Total amount owed 5th interview, CY+1, Q1	
Change in mortgage principal (owned home)	
Special lump sum mortgage payment (owned home)	
Reduction of mortgage principal (owned home)	
Reduction mortgage principal, home equity loan (owned home)	
Original loan amount (mortgage obtained during interview quarter) (owned home)	
Original loan amount, home equity loan (loan obtained during interview quarter) (owned home)	
Principal paid, home equity line of credit (owned home)	
Change in mortgage principal (owned vacation)	
Special lump sum mortgage payment (owned vacation)	
Reduction of mortgage principal (owned vacation)	
Reduction mortgage principal, home equity loan (owned vacation)	
Original loan amount (mortgage obtained during interview quarter) (owned vacation)	
Original loan amount, home equity loan (loan obtained during interview quarter) (owned vacation)	
Principal paid, home equity line of credit (owned vacation)	
Change in mortgage principal (other property)	
Special lump sum mortgage payments (other property)	

Table A-1. Survey source of data for Consumer Expenditure Survey integrated tables, 2009

Reduction of mortgage principal (other property)	
Reduction mortgage principal, home equity loan (other property)	
Original loan amount (mortgage obtained during interview quarter) (other property)	
Original loan amount, home equity loan (loan obtained during interview quarter) (other property)	
Principal paid, home equity line of credit (other property)	
Change in principal on vehicles	
Reduction of vehicle loan principal	
Vehicle principal balance (loan obtained during interview quarter)	
Other financial information:	
Other money receipts	
Lump sum receipts	
Money from sale of household furnishings, etc.	
Refund from overpayment on Social Security	
Refunds from insurance policies	
Refunds from property taxes	
Lump sum child support payment	
Monthly transit subsidy	
Market value of financial assets	
Market value of all savings accounts	
Market value of all checking accounts	
Market value of all U.S. savings bonds	
Market value of all securities	
Mortgage principal paid on owned property	
Reduction of mortgage principal (owned home)	
Reduction of mortgage principal (owned vacation)	
Reduction of mortgage principal (other property)	
Reduction mortgage principal, home equity loan (owned home)	
Reduction mortgage principal, home equity loan (owned vacation)	
Reduction mortgage principal, home equity loan (other property)	
Principal paid, home equity line of credit (owned home)	
Principal paid, home equity line of credit (owned vacation)	
Principal paid, home equity line of credit (other property)	
Estimated market value of owned home	
Estimated monthly rental value of owned home	
Estimated monthly rental value of vacation home not available for rent	
Estimated monthly rental value of vacation home available for rent	
Estimated annual rental value of timeshare	

Gifts of goods and services:

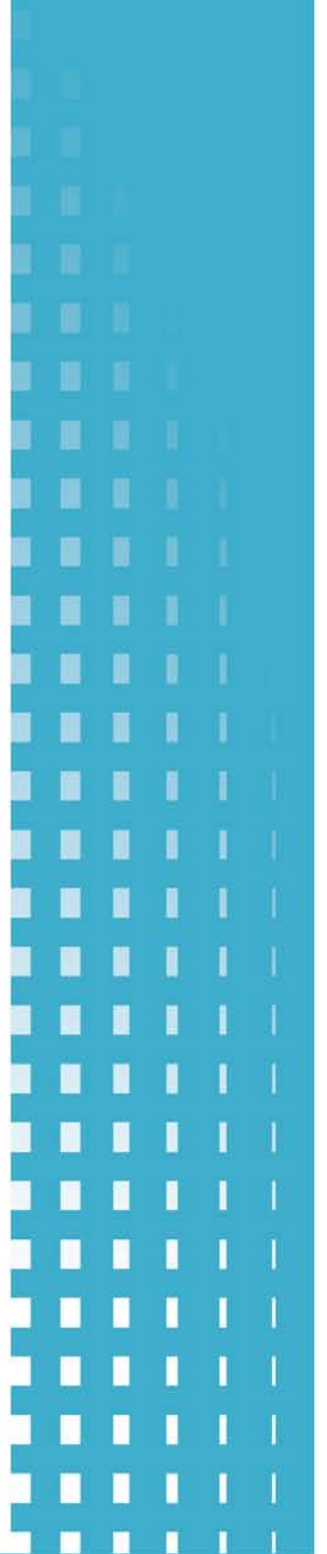
The survey source for a gift of an item is the same as for an expenditure on that item.

Not all items can have gifts.

Consumer Expenditure Survey
U.S. Bureau of Labor Statistics
October, 2010

Appendix B

Methods for Projecting Variances for New Design



The first step in the process was to estimate variances under the current design and to check them against published tables to the extent possible. New item groupings and top-coding on the PUF prevented us from getting perfect agreement on all expenditure groups, but there were many groups where answers agreed with published estimates exactly. The definitions of the new item groupings are given in Table 1. Our estimates of 2009 means and standard errors for these groupings under the current design based on the PUF are given in Table 2. An example where we agree perfectly with BLS is average annual expenditure for mortgage interest and charges. We both estimated a mean of \$3,593.71 with a standard error of \$74.97. The standard error that stands out as least well replicated is for group 53, pensions and social security. We estimated a standard error of \$81 but the published estimate is \$152. Despite this large discrepancy on standard errors, the annual means agree very well. We estimated \$5,163.74 while BLS estimated \$5,162.04. We were unable to determine the reason for the large discrepancy on standard errors for pensions and social security.

These means and standard errors were generated with SUDAAN. The basic call was:

```
proc ratio data=Data14months design=BRR noprint;
  weight finlwt21 ;
  repwgt wtrep01-wtrep44 ;
  numer group1 - group53;
  denom monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov ;
  output rhat serhat deffrhat nsum
    /tablecell=all filename=CurrentDesign filetype=sas replace;
run;
```

In this calculation, the 53 group variables contained the total quarterly expenditures reported in the expenditure group by the consumer unit within calendar 2009. For interviews conducted from April 2009 through January 2010, this includes all reported expenditures. For interviews conducted in February and March of 2009 as well as February and March of 2010, it sums only those reported in 2009. The “monthcov” variable takes the values 1/12, 2/12, and 3/13 depending upon whether the reporting quarter contains 1, 2 or 3 months, respectively, of calendar 2009. We will denote the estimated variance for an expenditure group from this calculation as $\hat{\sigma}_{tot}^2$.

We also estimated current within-PSU variances with a similar SUDAAN call:

```
proc ratio data= Data14months design=WR notsorted noprint;
  weight finlwt21 ;
  nest _one_ cuid;
  numer group1 - group53;
  denom monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov ;

  output rhat serhat deffrhat nsum
    /tablecell=all filename=newcalc filetype=sas replace;
run;
```

Note that this call varies from the first call in terms of the design option on the procedure line, the deletion of the replicate weights statement and the addition of a nest statement. The `_one_` entity on the nest statement is a dummy column of ones supplied by SUDAAN. We will denote the estimated variance for an expenditure group from this calculation as $\hat{\sigma}_{wc}^2$.

The second step in the process was to make projections to alternate sampling and rotation plans and alternate recall periods. Table 1 indicates the recall period planned for each expenditure category. There are three proposed periods. For all three projections, we assumed that the number of annual interviews would be the same as is currently done, roughly 28,000, and that the practice would continue of fielding the sample by monthly panels with short interviewing windows. Departing from the current design, we assumed that each monthly panel would be fresh, with each CU being interviewed exactly once (not counting any advance interview used for bounding or educating CUs on the interview process). We further assumed that the monthly panels would be nearly conditionally independent given PSU. We were unable to tell from CE documentation whether replacement panels are neighbors of old panels, but we suspect that this is the case, so this is probably another departure from the current design. It is worth mentioning because in an area sample, it requires more listing than replacing retiring panels with neighbors.

Somewhat different methods were used for each recall period. We start the discussion with the 3-month recall period because this represents no change from current procedure and is thus the easiest to project.

Three-Month Recall

For the 3-month recall, all that is required is to estimate the effect of using a fresh panel of CUs every month for 14 months, February of the reference year through March of the next year, instead of repeating CU interviews every 3 months and only going to a fresh panel every 12 months. Here we noted that between-PSU variance and the extra variance due to oversampling of large metropolitan areas would hold steady under the new design. To estimate the within-PSU variance for inference based on 14 disjoint monthly panels from a single set of 91 PSUs with the current oversampling of large metro areas, we simply added interview quarter as a stratifier in the SUDAAN call:

```
proc ratio data= Data14months design=WR notsorted noprint;
  weight finlwt21 ;
  nest InterviewQuarter cuid;
  numer group1 - group53;
  denom monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov ;

  output rhat serhat deffrhat nsum
    /tablecell=all filename=within3 filetype=sas replace;
run;
```

Specifying interview quarter as a stratifier on the nest statement in SUDAAN had the effect of forcing SUDAAN to estimate the within-PSU variance separately for each quarter and then summing them together as if they came from independent samples in the same set of PSUs. For this calculation, there were five interview quarters. The first “quarter” actually consisted of only February and March interviews from 2009 since January interviews have no information for the year in which they are conducted. The other four quarters corresponded to the last three calendar quarters of 2009 and the first calendar quarter of 2010. This gave us an additional set of within-PSU variance estimates that we call $\hat{\sigma}_{wu}^2$.

A projection of the desired variance is then given by the formula:

$$\hat{\sigma}_{3m,T}^2 = (\hat{\sigma}_{tot}^2 - \hat{\sigma}_{wc}^2) + \hat{\sigma}_{wu}^2$$

The logic is that the term in parentheses reflects the variance due to PSU selection clustering that will not be affected by switching to independent panels while the second term.

Percent reduction in within-PSU variance due to using disjoint panels instead of repeated interviews of the same panel = $\hat{R}_1 = 100(\hat{\sigma}_{wc}^2 - \hat{\sigma}_{wu}^2) / \hat{\sigma}_{wc}^2$.

One-Month Recall

A similar procedure was used for the 1-month recall. For it, one additional SUDAAN run was required. It used only 1 month of recall data from a single interview month. The most recent month was chosen to maximize comparability with the planned procedure. The variable “monthcov” was calculated as a constant since each interview month February 2009 through January of 2010 provides 1 month of information about 2009 with this rotation plan.

```

proc ratio data=Data12SingleMonths design=WR notsorted noprint;
  weight finlwt21 ;
  nest month cuid;
  numer group1 - group53;
  denom monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov monthcov monthcov
    monthcov monthcov monthcov ;

  output rhat serhat deffrhat nsum
    /tablecell=all filename=newcalc filetype=sas replace;
run;

```

We gave the label $\hat{\sigma}_{wu1}^2$ to the variances from this SUDAAN run.

The percent reduction in within-PSU variance due to using disjoint panels instead of repeated interviews of the same panel and of using a one-month recall was then calculated as

$\hat{R}_2 = (\hat{\sigma}_{wc}^2 - \hat{\sigma}_{wu1}^2) / \hat{\sigma}_{wc}^2$. Also, the total variance for such a design was projected to be:

$$\hat{\sigma}_{1m,T}^2 = (\hat{\sigma}_{tot}^2 - \hat{\sigma}_{wc}^2) + \hat{\sigma}_{wu1}^2 .$$

Twelve-Month Recall

We next considered the effect of substituting a 12-month recall for the current 3-month recall for some groups. It is possible to derive a theoretical expectation for the reduction in the within variance through a relatively simple argument. For any category in which 12-month recall is implemented, a single interview would provide the same information as available currently under four cumulative interviews. With respect to within variance, this change would multiply the effective sample size by a factor of 4. This simple argument implies a 75 percent reduction in the within variance.

The argument must be refined, however, because the assumed data for a given year would not be complete until the end of the fourth quarter of the following year. To prevent a change in schedule, the estimation must depend only on the first quarter of the following year. For the January of the current year, there will be reports from all 12 possible interview months from February-January of the next year. Similarly, all 12 months are available for February and March, but April is reduced to 11, May to 10, up to only 3 for December. Thus the average of $(1/12, 1/12, 1/12, 1/11, \dots, 1/4, 1/3)$, .14749, should be compared to $1/12, .08333$. Thus, the variance, instead of .25 times the current variance, should be $(.14749/.08333)*.25 = .4424$, or a 56 percent reduction in variance instead of 75 percent.

Of course, it would always be possible to issue revised annual estimates using all the data collected about the calendar year. If this were done, the 75 percent reduction in variance would apply to those revised estimates. It would also be possible to produce 12-month expenditure estimates for periods other than calendar years for which full available information would be used. For example, by March 2012, all relevant data for the period March 2010 through April 2011 would have been collected.

Table B-1. Definitions of new expenditure categories

New group ID	Redesign grouping	New recall period	UCC Title	UCC
1	Mortgage interest and charges	12	Mortgage interest	220311
1	Mortgage interest and charges	12	Interest paid, home equity loan	220313
1	Mortgage interest and charges	12	Interest paid, home equity line of credit	880110
2	Property taxes	12	Property taxes	220211
3	Maintenance, repairs, insurance, other expenses	3	Homeowners insurance	220121
3	Maintenance, repairs, insurance, other expenses	3	Ground rent	210901
3	Maintenance, repairs, insurance, other expenses	3	Painting and papering	230112
3	Maintenance, repairs, insurance, other expenses	3	Plumbing and water heating	230113
3	Maintenance, repairs, insurance, other expenses	3	Heat, a/c, electrical work	230114
3	Maintenance, repairs, insurance, other expenses	3	Roofing and gutters	230115
3	Maintenance, repairs, insurance, other expenses	3	Other repair and maintenance services	230151
3	Maintenance, repairs, insurance, other expenses	3	Repair and replacement of hard surface flooring	230122
3	Maintenance, repairs, insurance, other expenses	3	Repair of built-in appliances	230142
3	Maintenance, repairs, insurance, other expenses	3	Paints, wallpaper and supplies	240112
3	Maintenance, repairs, insurance, other expenses	3	Tools and equipment for painting and wallpapering	240122
3	Maintenance, repairs, insurance, other expenses	3	Plumbing supplies and equipment	240312
3	Maintenance, repairs, insurance, other expenses	3	Electrical supplies, heating and cooling	240322
3	Maintenance, repairs, insurance, other expenses	3	Materials for hard surface flooring, repair and	320622
3	Maintenance, repairs, insurance, other expenses	3	Materials and equipment for roof and gutters	240213
3	Maintenance, repairs, insurance, other expenses	3	Materials for plaster., panel., siding, windows,	240212
3	Maintenance, repairs, insurance, other expenses	3	Materials for patio, walk, fence, driveway,	240222
3	Maintenance, repairs, insurance, other expenses	3	Materials for landscaping maintenance	320632
3	Maintenance, repairs, insurance, other expenses	3	Material for insulation, other maintenance and	320612
3	Maintenance, repairs, insurance, other expenses	3	Materials to finish basement, remodel rooms or	990930
3	Maintenance, repairs, insurance, other expenses	3	Property management	230901
3	Maintenance, repairs, insurance, other expenses	3	Management and upkeep services for security	340911
3	Maintenance, repairs, insurance, other expenses	3	Parking	220901
4	Rented dwellings	12	Rent	210110
4	Rented dwellings	12	Rent as pay	800710
4	Rented dwellings	12	Tenant's insurance	350110
4	Rented dwellings	12	Repair or maintenance services	230150

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
4	Rented dwellings	12	Repair and replacement of hard surface flooring	230121
4	Rented dwellings	12	Repair of built-in appliances	230141
4	Rented dwellings	12	Paint, wallpaper, and supplies	240111
4	Rented dwellings	12	Tools and equipment for painting and wallpapering	240121
4	Rented dwellings	12	Materials for plastering, panels, roofing,	240211
4	Rented dwellings	12	Materials for patio, walk, fence, driveway,	240221
4	Rented dwellings	12	Plumbing supplies and equipment	240311
4	Rented dwellings	12	Electrical supplies, heating and cooling	240321
4	Rented dwellings	12	Material for insulation, other maintenance and	320611
4	Rented dwellings	12	Materials for additions, finishing basements,	990920
4	Rented dwellings	12	Construction materials for jobs not started	790690
4	Rented dwellings	12	Material for hard surface flooring	320621
4	Rented dwellings	12	Material for landscape maintenance	320631
5	Other lodging	3	Mortgage interest	220312
5	Other lodging	3	Interest paid, home equity loan	220314
5	Other lodging	3	Interest paid, home equity line of credit	880310
5	Other lodging	3	Property taxes	220212
5	Other lodging	3	Homeowners insurance	220122
5	Other lodging	3	Ground rent	210902
5	Other lodging	3	Repair and remodeling services	230152
5	Other lodging	3	Repair and replacement of hard surface flooring	230123
5	Other lodging	3	Paints, wallpaper, supplies	240113
5	Other lodging	3	Tools and equipment for painting and	240123
5	Other lodging	3	Materials for plastering, paneling, roofing,	240214
5	Other lodging	3	Material for patio, walk, fence, drive,	240223
5	Other lodging	3	Plumbing supplies and equipment	240313
5	Other lodging	3	Electrical supplies, heating and cooling	240323
5	Other lodging	3	Material for insulation, other maintenance	320613
5	Other lodging	3	Material for finishing basements and	990940
5	Other lodging	3	Materials for hard surface flooring	320623

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
5	Other lodging	3	Materials for landscaping maintenance	320633
5	Other lodging	3	Property management	230902
5	Other lodging	3	Management and upkeep services for security	340912
5	Other lodging	3	Parking	220902
5	Other lodging	3	Housing while attending school	210310
5	Other lodging	3	Lodging on out-of-town trips	210210
6	Natural gas	12	Utility–natural gas (renter)	260211
6	Natural gas	12	Utility–natural gas (owned home)	260212
6	Natural gas	12	Utility–natural gas (owned vacation)	260213
6	Natural gas	12	Utility–natural gas (rented vacation)	260214
7	Electricity	12	Electricity (renter)	260111
7	Electricity	12	Electricity (owned home)	260112
7	Electricity	12	Electricity (owned vacation)	260113
7	Electricity	12	Electricity (rented vacation)	260114
8	Fuel oil and other fuels	12	Fuel oil (renter)	250111
8	Fuel oil and other fuels	12	Fuel oil (owned home)	250112
8	Fuel oil and other fuels	12	Fuel oil (owned vacation)	250113
8	Fuel oil and other fuels	12	Fuel oil (rented vacation)	250114
8	Fuel oil and other fuels	12	Coal, wood, other fuels (renter)	250911
8	Fuel oil and other fuels	12	Coal, wood, other fuels (owned home)	250912
8	Fuel oil and other fuels	12	Coal, wood, other fuels (owned vacation)	250913
8	Fuel oil and other fuels	12	Coal, wood, other fuels (rented vacation)	250914
8	Fuel oil and other fuels	12	Gas, btd/tank (renter)	250211
8	Fuel oil and other fuels	12	Gas, btd/tank (owned home)	250212
8	Fuel oil and other fuels	12	Gas, btd/tank (owned vacation)	250213
8	Fuel oil and other fuels	12	Gas, btd/tank (rented vacation)	250214
9	Telephone services	12	Residential telephone/pay phones	270101
9	Telephone services	12	Cellular phone service	270102
9	Telephone services	12	Phone cards	270104
9	Telephone services	12	Voice over IP service	270105
10	Water and other public services	12	Water/sewer maint. (renter)	270211

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
10	Water and other public services	12	Water/sewer maint. (owned home)	270212
10	Water and other public services	12	Water/sewer maint. (owned vacation)	270213
10	Water and other public services	12	Water/sewer maint. (rented vacation)	270214
10	Water and other public services	12	Trash/garb. coll. (renter)	270411
10	Water and other public services	12	Trash/garb. coll. (owned home)	270412
10	Water and other public services	12	Trash/garb. coll. (owned vacation)	270413
10	Water and other public services	12	Trash/garb. coll. (rented vacation)	270414
10	Water and other public services	12	Septic tank clean. (renter)	270901
10	Water and other public services	12	Septic tank clean. (owned home)	270902
10	Water and other public services	12	Septic tank clean. (owned vacation)	270903
10	Water and other public services	12	Septic tank clean. (rented vacation)	270904
11	Personal services	3	Babysitting and child care in your own home	340211
11	Personal services	3	Babysitting and child care in someone else's home	340212
11	Personal services	3	Care for elderly, invalids, handicapped, etc.	340906
11	Personal services	3	Adult day care centers	340910
11	Personal services	3	Day care centers, nursery, and preschools	670310
12	Other household expenses	3	Housekeeping services	340310
12	Other household expenses	3	Gardening, lawn care service	340410
12	Other household expenses	3	Water softening service	340420
12	Other household expenses	3	Household laundry and dry cleaning, sent out	340520
12	Other household expenses	3	Coin-operated household laundry and dry cleaning	340530
12	Other household expenses	3	Services for termite/pest control	340914
12	Other household expenses	3	Home security system service fee	340915
12	Other household expenses	3	Other home services	340903
12	Other household expenses	3	Termite/pest control products	330511
12	Other household expenses	3	Moving, storage, freight	340510
12	Other household expenses	3	Appliance repair, including service center	340620
12	Other household expenses	3	Reupholstering, furniture repair	340630
12	Other household expenses	3	Repairs/rentals of lawn and garden equipment, hand or	340901
12	Other household expenses	3	Appliance rental	340907
12	Other household expenses	3	Rental of office equipment for nonbusiness use	340908

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
12	Other household expenses	3	Repair of computer systems for nonbusiness use	690113
12	Other household expenses	3	Computer information services	690114
12	Other household expenses	3	Installation of computer	690310
12	Other household expenses	3	Rental and installation of dishwashers, range hoods,	990900
13	Household textiles	3	Bathroom linens	280110
13	Household textiles	3	Bedroom linens	280120
13	Household textiles	3	Kitchen and dining room linens	280130
13	Household textiles	3	Curtains and draperies	280210
13	Household textiles	3	Slipcovers, decorative pillows	280220
13	Household textiles	3	Sewing materials for slipcovers, curtains, other	280230
13	Household textiles	3	Other linens	280900
14	Furniture	12	Mattress and springs	290110
14	Furniture	12	Other bedroom furniture	290120
14	Furniture	12	Sofas	290210
14	Furniture	12	Living room chairs	290310
14	Furniture	12	Living room tables	290320
14	Furniture	12	Kitchen, dining room furniture	290410
14	Furniture	12	Infants' furniture	290420
14	Furniture	12	Outdoor furniture	290430
14	Furniture	12	Wall units, cabinets and other occasional furniture	290440
15	Floor coverings	12	Wall-to-wall carpet (renter)	230134
15	Floor coverings	12	Wall-to-wall carpet (replacement)(renter)	320163
15	Floor coverings	12	Wall-to-wall carpet (replacement) (owned home)	230133
15	Floor coverings	12	Floor coverings, nonpermanent	320111
16	Major appliances	12	Dishwashers (built-in), garbage disposals, range	230117
16	Major appliances	12	Dishwashers (built-in), garbage disposals, range	230118
16	Major appliances	12	Refrigerators, freezers (renter)	300111
16	Major appliances	12	Refrigerators, freezers (owned home)	300112
16	Major appliances	12	Washing machines (renter)	300211
16	Major appliances	12	Washing machines (owned home)	300212
16	Major appliances	12	Clothes dryers (renter)	300221

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
16	Major appliances	12	Clothes dryers (owned home)	300222
16	Major appliances	12	Cooking stoves, ovens (renter)	300311
16	Major appliances	12	Cooking stoves, ovens (owned home)	300312
16	Major appliances	12	Microwave ovens (renter)	300321
16	Major appliances	12	Microwave ovens (owned home)	300322
16	Major appliances	12	Portable dishwasher (renter)	300331
16	Major appliances	12	Portable dishwasher (owned home)	300332
16	Major appliances	12	Window air conditioners (renter)	300411
16	Major appliances	12	Window air conditioners (owned home)	300412
16	Major appliances	12	Electric floor cleaning equipment	320511
16	Major appliances	12	Sewing machines	320512
17	Small appliances, miscellaneous housewares	1	Plastic dinnerware	320310
17	Small appliances, miscellaneous housewares	1	China and other dinnerware	320320
17	Small appliances, miscellaneous housewares	1	Flatware	320330
17	Small appliances, miscellaneous housewares	1	Glassware	320340
17	Small appliances, miscellaneous housewares	1	Silver serving pieces	320350
17	Small appliances, miscellaneous housewares	1	Other serving pieces	320360
17	Small appliances, miscellaneous housewares	1	Nonelectric cookware	320370
17	Small appliances, miscellaneous housewares	1	Small electric kitchen appliances	320521
17	Small appliances, miscellaneous housewares	1	Portable heating and cooling equipment	320522
18	Miscellaneous household equipment	1	Window coverings	320120
18	Miscellaneous household equipment	1	Infants' equipment	320130
18	Miscellaneous household equipment	1	Outdoor equipment	320150
18	Miscellaneous household equipment	1	Lamps and lighting fixtures	320220
18	Miscellaneous household equipment	1	Clocks and other household decorative items	320233
18	Miscellaneous household equipment	1	Telephones and accessories	320232
18	Miscellaneous household equipment	1	Lawn and garden equipment	320410
18	Miscellaneous household equipment	1	Power tools	320420
18	Miscellaneous household equipment	1	Office furniture for home use	320901
18	Miscellaneous household equipment	1	Hand tools	320902
18	Miscellaneous household equipment	1	Indoor plants, fresh flowers	320903

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
18	Miscellaneous household equipment	1	Closet and storage items	320904
18	Miscellaneous household equipment	1	Rental of furniture	340904
18	Miscellaneous household equipment	1	Luggage	430130
18	Miscellaneous household equipment	1	Computers and computer hardware for nonbusiness use	690111
18	Miscellaneous household equipment	1	Portable memory (new UCC Q20092)	690117
18	Miscellaneous household equipment	1	Computer software and accessories for nonbusiness use	690112
18	Miscellaneous household equipment	1	Personal digital assistants	690115
18	Miscellaneous household equipment	1	Internet services away from home	690116
18	Miscellaneous household equipment	1	Telephone answering devices	690210
18	Miscellaneous household equipment	1	Business equipment for home use	690230
18	Miscellaneous household equipment	1	Smoke alarms (owned home)	690242
18	Miscellaneous household equipment	1	Smoke alarms (renter)	690241
18	Miscellaneous household equipment	1	Smoke alarms (owned vacation)	690243
18	Miscellaneous household equipment	1	Other household appliances (owned home)	690245
18	Miscellaneous household equipment	1	Other household appliances (renter)	690244
19	Apparel and services, Men, 16 and over	3	Men's suits	360110
19	Apparel and services, Men, 16 and over	3	Men's sportcoats, tailored jackets	360120
19	Apparel and services, Men, 16 and over	3	Men's coats and jackets	360210
19	Apparel and services, Men, 16 and over	3	Men's underwear	360311
19	Apparel and services, Men, 16 and over	3	Men's hosiery	360312
19	Apparel and services, Men, 16 and over	3	Men's nightwear	360320
19	Apparel and services, Men, 16 and over	3	Men's accessories	360330
19	Apparel and services, Men, 16 and over	3	Men's sweaters and vests	360340
19	Apparel and services, Men, 16 and over	3	Men's active sportswear	360350
19	Apparel and services, Men, 16 and over	3	Men's shirts	360410
19	Apparel and services, Men, 16 and over	3	Men's pants and shorts	360513
19	Apparel and services, Men, 16 and over	3	Men's uniforms	360901
19	Apparel and services, Men, 16 and over	3	Men's costumes	360902
20	Apparel and services, Boys, 2 to 15	3	Boys' coats and jackets	370110
20	Apparel and services, Boys, 2 to 15	3	Boys' sweaters	370120
20	Apparel and services, Boys, 2 to 15	3	Boys' shirts	370130

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
20	Apparel and services, Boys, 2 to 15	3	Boys' underwear	370211
20	Apparel and services, Boys, 2 to 15	3	Boys' nightwear	370212
20	Apparel and services, Boys, 2 to 15	3	Boys' hosiery	370213
20	Apparel and services, Boys, 2 to 15	3	Boys' accessories	370220
20	Apparel and services, Boys, 2 to 15	3	Boys' suits, sportcoats, vests	370311
20	Apparel and services, Boys, 2 to 15	3	Boys' pants and shorts	370314
20	Apparel and services, Boys, 2 to 15	3	Boys' uniforms	370903
20	Apparel and services, Boys, 2 to 15	3	Boys' active sportswear	370904
20	Apparel and services, Boys, 2 to 15	3	Boys' costumes	370902
21	Apparel and services, Women, 16 and over	3	Women's coats and jackets	380110
21	Apparel and services, Women, 16 and over	3	Women's dresses	380210
21	Apparel and services, Women, 16 and over	3	Women's sportcoats, tailored jackets	380311
21	Apparel and services, Women, 16 and over	3	Women's vests and sweaters	380312
21	Apparel and services, Women, 16 and over	3	Women's shirts, tops, blouses	380313
21	Apparel and services, Women, 16 and over	3	Women's skirts	380320
21	Apparel and services, Women, 16 and over	3	Women's pants and shorts	380333
21	Apparel and services, Women, 16 and over	3	Women's active sportswear	380340
21	Apparel and services, Women, 16 and over	3	Women's sleepwear	380410
21	Apparel and services, Women, 16 and over	3	Women's undergarments	380420
21	Apparel and services, Women, 16 and over	3	Women's hosiery	380430
21	Apparel and services, Women, 16 and over	3	Women's suits	380510
21	Apparel and services, Women, 16 and over	3	Women's accessories	380901
21	Apparel and services, Women, 16 and over	3	Women's uniforms	380902
21	Apparel and services, Women, 16 and over	3	Women's costumes	380903
22	Apparel and services, Girls, 2 to 15	3	Girls' coats and jackets	390110
22	Apparel and services, Girls, 2 to 15	3	Girls' dresses and suits	390120
22	Apparel and services, Girls, 2 to 15	3	Girls' shirts, blouses, sweaters	390210
22	Apparel and services, Girls, 2 to 15	3	Girls' skirts, pants, and shorts	390223
22	Apparel and services, Girls, 2 to 15	3	Girls' active sportswear	390230
22	Apparel and services, Girls, 2 to 15	3	Girls' underwear and sleepwear	390310
22	Apparel and services, Girls, 2 to 15	3	Girls' hosiery	390321

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
22	Apparel and services, Girls, 2 to 15	3	Girls' accessories	390322
22	Apparel and services, Girls, 2 to 15	3	Girls' uniforms	390901
22	Apparel and services, Girls, 2 to 15	3	Girls' costumes	390902
23	Apparel and services, Children under 2	3	Infant coat, jacket, snowsuit	410110
23	Apparel and services, Children under 2	3	Infant dresses, outerwear	410120
23	Apparel and services, Children under 2	3	Infant underwear	410130
23	Apparel and services, Children under 2	3	Infant nightwear, loungewear	410140
23	Apparel and services, Children under 2	3	Infant accessories	410901
24	Footwear	3	Men's footwear	400110
24	Footwear	3	Boys' footwear	400210
24	Footwear	3	Women's footwear	400310
24	Footwear	3	Girls' footwear	400220
25	Other apparel products and services	3	Material for making clothes	420110
25	Other apparel products and services	3	Sewing patterns and notions	420120
25	Other apparel products and services	3	Watches	430110
25	Other apparel products and services	3	Jewelry	430120
25	Other apparel products and services	3	Shoe repair and other shoe service	440110
25	Other apparel products and services	3	Coin-operated apparel laundry and dry cleaning	440120
25	Other apparel products and services	3	Alteration, repair and tailoring of apparel and	440130
25	Other apparel products and services	3	Clothing rental	440140
25	Other apparel products and services	3	Watch and jewelry repair	440150
25	Other apparel products and services	3	Apparel laundry and dry cleaning not coin-operated	440210
25	Other apparel products and services	3	Clothing storage	440900
26	Cars and trucks, new	12	New cars	450110
26	Cars and trucks, new	12	New trucks	450210
27	Cars and trucks, used	12	Used cars	460110
27	Cars and trucks, used	12	Used trucks	460901
28	Other vehicles	12	New motorcycles	450220
28	Other vehicles	12	New aircraft	450900
28	Other vehicles	12	Used motorcycles	460902
28	Other vehicles	12	Used aircraft	460903

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
29	Gasoline and motor oil	3	Gasoline	470111
29	Gasoline and motor oil	3	Diesel fuel	470112
29	Gasoline and motor oil	3	Gasoline on out-of-town trips	470113
29	Gasoline and motor oil	3	Motor oil	470211
29	Gasoline and motor oil	3	Motor oil on out-of-town trips	470212
30	Vehicle finance charges	12	Automobile finance charges	510110
30	Vehicle finance charges	12	Truck finance charges	510901
30	Vehicle finance charges	12	Motorcycle and plane finance charges	510902
30	Vehicle finance charges	12	Other vehicle finance charges	850300
31	Vehicle, Maintenance and repairs	3	Coolant, brake fluid, transmission fluid, and other	470220
31	Vehicle, Maintenance and repairs	3	Tires - purchased, replaced, installed	480110
31	Vehicle, Maintenance and repairs	3	Vehicle products and cleaning services	480212
31	Vehicle, Maintenance and repairs	3	Parts, equipment, and accessories	480213
31	Vehicle, Maintenance and repairs	3	Vehicle audio equipment	480214
31	Vehicle, Maintenance and repairs	3	Vehicle video equipment	480215
31	Vehicle, Maintenance and repairs	3	Body work and painting	490110
31	Vehicle, Maintenance and repairs	3	Clutch, transmission repair	490211
31	Vehicle, Maintenance and repairs	3	Drive shaft and rear-end repair	490212
31	Vehicle, Maintenance and repairs	3	Brake work, including adjustments	490221
31	Vehicle, Maintenance and repairs	3	Repair to steering or front-end	490231
31	Vehicle, Maintenance and repairs	3	Repair to engine cooling system	490232
31	Vehicle, Maintenance and repairs	3	Motor tune-up	490311
31	Vehicle, Maintenance and repairs	3	Lube, oil change, and oil filters	490312
31	Vehicle, Maintenance and repairs	3	Front-end alignment, wheel balance and rotation	490313
31	Vehicle, Maintenance and repairs	3	Shock absorber replacement	490314
31	Vehicle, Maintenance and repairs	3	Repair tires and other repair work	490318
31	Vehicle, Maintenance and repairs	3	Exhaust system repair	490411
31	Vehicle, Maintenance and repairs	3	Electrical system repair	490412
31	Vehicle, Maintenance and repairs	3	Motor repair, replacement	490413
31	Vehicle, Maintenance and repairs	3	Auto repair service policy	490900
31	Vehicle, Maintenance and repairs	3	Vehicle accessories including labor	490501

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
31	Vehicle, Maintenance and repairs	3	Vehicle air conditioning repair	490319
32	Vehicle insurance	3	Vehicle insurance	500110
33	Vehicle rental, leases, licenses, and other charges	3	Auto rental	520511
33	Vehicle rental, leases, licenses, and other charges	3	Auto rental, out-of-town trips	520512
33	Vehicle rental, leases, licenses, and other charges	3	Truck rental	520521
33	Vehicle rental, leases, licenses, and other charges	3	Truck rental, out-of-town trips	520522
33	Vehicle rental, leases, licenses, and other charges	3	Motorcycle rental	520902
33	Vehicle rental, leases, licenses, and other charges	3	Motorcycle rental, out-of-town trips	520905
33	Vehicle rental, leases, licenses, and other charges	3	Aircraft rental	520903
33	Vehicle rental, leases, licenses, and other charges	3	Aircraft rental, out-of-town trips	520906
33	Vehicle rental, leases, licenses, and other charges	3	Car lease payments	450310
33	Vehicle rental, leases, licenses, and other charges	3	Cash down payment (car lease)	450313
33	Vehicle rental, leases, licenses, and other charges	3	Termination fee (car lease)	450314
33	Vehicle rental, leases, licenses, and other charges	3	Truck lease payments	450410
33	Vehicle rental, leases, licenses, and other charges	3	Cash down payment (truck lease)	450413
33	Vehicle rental, leases, licenses, and other charges	3	Termination fee (truck lease)	450414
33	Vehicle rental, leases, licenses, and other charges	3	Vehicle registration state/local	520110
33	Vehicle rental, leases, licenses, and other charges	3	Drivers' license	520310
33	Vehicle rental, leases, licenses, and other charges	3	Vehicle inspection	520410
33	Vehicle rental, leases, licenses, and other charges	3	Parking fees in home city, excluding residence	520531
33	Vehicle rental, leases, licenses, and other charges	3	Parking fees, out-of-town trips	520532
33	Vehicle rental, leases, licenses, and other charges	3	Tolls or electronic toll passes	520541
33	Vehicle rental, leases, licenses, and other charges	3	Tolls on out-of-town trips	520542
33	Vehicle rental, leases, licenses, and other charges	3	Towing charges	520550
33	Vehicle rental, leases, licenses, and other charges	3	Global positioning services	520560
33	Vehicle rental, leases, licenses, and other charges	3	Automobile service clubs	620113
34	Airline fares	12	Airline fares	530110
35	Public transportation except airfares	1	Intercity bus fares	530210
35	Public transportation except airfares	1	Intracity mass transit fares	530311
35	Public transportation except airfares	1	Local trans. on out-of-town trips	530312
35	Public transportation except airfares	1	Taxi fares and limousine services on trips	530411

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
35	Public transportation except airfares	1	Taxi fares and limousine services	530412
35	Public transportation except airfares	1	Intercity train fares	530510
35	Public transportation except airfares	1	Ship fares	530901
35	Public transportation except airfares	1	School bus	530902
36	Health insurance	12	Traditional fee for service health plan (not BCBS)	580111
36	Health insurance	12	Preferred provider health plan (not BCBS)	580113
36	Health insurance	12	Traditional fee for service health plan (BCBS)	580112
36	Health insurance	12	Preferred provider health plan (BCBS)	580114
36	Health insurance	12	Health maintenance organization (BCBS)	580312
36	Health insurance	12	Commercial Medicare supplement (BCBS)	580904
36	Health insurance	12	Other health insurance (BCBS)	580906
36	Health insurance	12	Health maintenance organization (not BCBS)	580311
36	Health insurance	12	Medicare payments	580901
36	Health insurance	12	Medicare prescription drug premium	580907
36	Health insurance	12	Commercial Medicare supplement (not BCBS)	580903
36	Health insurance	12	Other health insurance (not BCBS)	580905
36	Health insurance	12	Long term care insurance	580400
37	Medical services	3	Physician's services	560110
37	Medical services	3	Dental services	560210
37	Medical services	3	Eyecare services	560310
37	Medical services	3	Service by professionals other than physician	560400
37	Medical services	3	Lab tests, x-rays	560330
37	Medical services	3	Hospital room and services	570111
37	Medical services	3	Medical care in retirement community	570240
37	Medical services	3	Care in convalescent or nursing home	570220
37	Medical services	3	Other medical care services	570230
38	Prescription drugs	3	Prescription drugs	540000
39	Medical supplies	3	Eyeglasses and contact lenses	550110
39	Medical supplies	3	Hearing aids	550340
39	Medical supplies	3	Medical equipment for general use	550320
39	Medical supplies	3	Supportive and convalescent medical equipment	550330

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
39	Medical supplies	3	Rental of medical equipment	570901
39	Medical supplies	3	Rental of supportive, convalescent medical equipment	570903
40	Fees and admissions	1	Recreation expenses, out-of-town trips	610900
40	Fees and admissions	1	Social, recreation, health club membership	620111
40	Fees and admissions	1	Fees for participant sports	620121
40	Fees and admissions	1	Participant sports, out-of-town trips	620122
40	Fees and admissions	1	Movie, theater, amusement parks, and other	620211
40	Fees and admissions	1	Movie, other admissions, out-of-town trips	620212
40	Fees and admissions	1	Admission to sporting events	620221
40	Fees and admissions	1	Admission to sports events, out-of-town trips	620222
40	Fees and admissions	1	Fees for recreational lessons	620310
40	Fees and admissions	1	Other entertainment services, out-of-town trips	620903
41	Audio and visual equipment and services	3	Televisions	310140
41	Audio and visual equipment and services	3	Cable and satellite television services	270310
41	Audio and visual equipment and services	3	Satellite radio service	270311
41	Audio and visual equipment and services	3	Online gaming services	620930
41	Audio and visual equipment and services	3	VCR's and video disc players	310210
41	Audio and visual equipment and services	3	Video cassettes, tapes, and discs	310220
41	Audio and visual equipment and services	3	Video game hardware and software	310230
41	Audio and visual equipment and services	3	Streaming, downloading video	310240
41	Audio and visual equipment and services	3	Repair of TV, radio, and sound equipment	340610
41	Audio and visual equipment and services	3	Rental of televisions	340902
41	Audio and visual equipment and services	3	Radios	310311
41	Audio and visual equipment and services	3	Tape recorders and players	310313
41	Audio and visual equipment and services	3	Personal digital audio players	310314
41	Audio and visual equipment and services	3	Sound components and component systems	310320
41	Audio and visual equipment and services	3	CDs, records, audio tapes	310340
41	Audio and visual equipment and services	3	Streaming, downloading audio	310350
41	Audio and visual equipment and services	3	Rental of VCR, radio, and sound equipment	340905
41	Audio and visual equipment and services	3	Musical instruments and accessories	610130
41	Audio and visual equipment and services	3	Rental and repair of musical instruments	620904

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
41	Audio and visual equipment and services	3	Rental of video cassettes, tapes, films, and discs	620912
41	Audio and visual equipment and services	3	Rental of computer and video game hardware and software	620916
41	Audio and visual equipment and services	3	Accessories and other sound equipment	310333
41	Audio and visual equipment and services	3	Satellite dishes	310334
41	Audio and visual equipment and services	3	Installation of televisions	690320
41	Audio and visual equipment and services	3	Installation of satellite television equipment	690330
41	Audio and visual equipment and services	3	Installation of sound systems	690340
41	Audio and visual equipment and services	3	Installation of other video equipment or sound systems	690350
42	Pets, toys, hobbies, and playground equipment	3	Pet purchase, supplies, medicine	610320
42	Pets, toys, hobbies, and playground equipment	3	Pet services	620410
42	Pets, toys, hobbies, and playground equipment	3	Vet services	620420
42	Pets, toys, hobbies, and playground equipment	3	Toys, games, arts and crafts, and tricycles	610110
42	Pets, toys, hobbies, and playground equipment	3	Stamp and coin collecting	610140
42	Pets, toys, hobbies, and playground equipment	3	Playground equipment	610120
43	Recreational vehicle purchases	12	Boat without motor and boat trailers	600121
43	Recreational vehicle purchases	12	Trailer and other attachable campers	600122
43	Recreational vehicle purchases	12	Purchase of motorized camper	600141
43	Recreational vehicle purchases	12	Purchase of other vehicle	600142
43	Recreational vehicle purchases	12	Purchase of boat with motor	600132
44	Other entertainment supplies, equipment, and services	3	Rental noncamper trailer	520904
44	Other entertainment supplies, equipment, and services	3	Boat and trailer rental out-of-town trips	520907
44	Other entertainment supplies, equipment, and services	3	Rental of campers on out-of-town trips	620909
44	Other entertainment supplies, equipment, and services	3	Rental of other vehicles on out-of-town trips	620919
44	Other entertainment supplies, equipment, and services	3	Rental of boat	620906
44	Other entertainment supplies, equipment, and services	3	Rental of motorized camper	620921
44	Other entertainment supplies, equipment, and services	3	Rental of other RV's	620922
44	Other entertainment supplies, equipment, and services	3	Outboard motors	600110
44	Other entertainment supplies, equipment, and services	3	Docking and landing fees	520901
44	Other entertainment supplies, equipment, and services	3	Athletic gear, game tables, and exercise equipment	600210
44	Other entertainment supplies, equipment, and services	3	Bicycles	600310
44	Other entertainment supplies, equipment, and services	3	Camping equipment	600410

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
44	Other entertainment supplies, equipment, and services	3	Hunting and fishing equipment	600420
44	Other entertainment supplies, equipment, and services	3	Winter sports equipment	600430
44	Other entertainment supplies, equipment, and services	3	Water sports equipment	600901
44	Other entertainment supplies, equipment, and services	3	Other sports equipment	600902
44	Other entertainment supplies, equipment, and services	3	Rental and repair of miscellaneous sports equipment	620908
44	Other entertainment supplies, equipment, and services	3	Film	610210
44	Other entertainment supplies, equipment, and services	3	Photo processing	620330
44	Other entertainment supplies, equipment, and services	3	Repair and rental of photographic equipment	620905
44	Other entertainment supplies, equipment, and services	3	Photographic equipment	610230
44	Other entertainment supplies, equipment, and services	3	Photographer fees	620320
44	Other entertainment supplies, equipment, and services	3	Live entertainment for catered affairs	680310
44	Other entertainment supplies, equipment, and services	3	Rental of party supplies for catered affairs	680320
45	Personal care products and services	1	Wigs and hairpieces	640130
45	Personal care products and services	1	Electric personal care appliances	640420
45	Personal care products and services	1	Personal care services	650310
46	Reading	3	Newspaper, magazine by subscription	590310
46	Reading	3	Newspaper, magazine non-subscription	590410
46	Reading	3	Books thru book clubs	590220
46	Reading	3	Books not thru book clubs	590230
46	Reading	3	Encyclopedia and other sets of reference books	660310
47	Tuition	12	College tuition	670110
47	Tuition	12	Elementary and high school tuition	670210
47	Tuition	12	Vocational and technical school tuition	670410
47	Tuition	12	Other schools tuition	670901
48	Other education	3	Test preparation, tutoring services (new UCC Q20092)	670903
48	Other education	3	Other school expenses including rentals	670902
48	Other education	3	School books, supplies, equipment for college	660110
48	Other education	3	School books, supplies, equipment for elementary, high	660210
48	Other education	3	School books, supplies, equipment for vocational and	660410
48	Other education	3	School books, supplies, equipment for day care, nursery	660901
48	Other education	3	School books, supplies, equipment for other schools	660902

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
49	Tobacco products and smoking supplies	3	Cigarettes	630110
49	Tobacco products and smoking supplies	3	Other tobacco products	630210
50	Miscellaneous	3	Lotteries and pari-mutuel losses	620926
50	Miscellaneous	3	Legal fees	680110
50	Miscellaneous	3	Funeral expenses	680140
50	Miscellaneous	3	Safe deposit box rental	680210
50	Miscellaneous	3	Checking accounts, other bank service charges	680220
50	Miscellaneous	3	Cemetery lots, vaults, maintenance fees	680901
50	Miscellaneous	3	Accounting fees	680902
50	Miscellaneous	3	Finance charges excluding mortgage and vehicle	710110
50	Miscellaneous	3	Dating services	680904
50	Miscellaneous	3	Vacation clubs	680905
50	Miscellaneous	3	Expenses for other properties	790600
50	Miscellaneous	3	Occupational expenses	900002
50	Miscellaneous	3	Interest paid, home equity line of credit (other	880210
50	Miscellaneous	3	Credit card memberships	620112
50	Miscellaneous	3	Shopping club membership fees	620115
51	Cash contributions	12	Support for college students	800804
51	Cash contributions	12	Alimony expenditures	800111
51	Cash contributions	12	Child support expenditures	800121
51	Cash contributions	12	Gift to non-CU members of stocks, bonds, and mutual funds	800811
51	Cash contributions	12	Cash contributions to charities and other organizations	800821
51	Cash contributions	12	Cash contributions to church, religious organizations	800831
51	Cash contributions	12	Cash contribution to educational institutions	800841
51	Cash contributions	12	Cash contribution to political organizations	800851
51	Cash contributions	12	Other cash gifts	800861
52	Life and other personal insurance	12	Life, endowment, annuity, other personal insurance	700110
52	Life and other personal insurance	12	Other nonhealth insurance	002120
53	Pensions and Social Security	12	Deductions for government retirement	800910
53	Pensions and Social Security	12	Deductions for railroad retirement	800920
53	Pensions and Social Security	12	Deductions for private pensions	800931

Table B-1. Definitions of new expenditure categories (continued)

New group ID	Redesign grouping	New recall period	UCC Title	UCC
53	Pensions and Social Security	12	Non-payroll deposit to retirement plans	800932
53	Pensions and Social Security	12	Deductions for Social Security	800940

Table B-2. Estimates and standard errors under current design

New Group ID	Redesign Grouping	Average annual expenditure	Standard error
1	Mortgage interest and charges	\$3,593.71	\$74.97
2	Property taxes	\$1,809.44	\$31.14
3	Maintenance, repairs, insurance, other expenses	\$1,138.71	\$43.06
4	Rented dwellings	\$2,854.51	\$50.73
5	Other lodging	\$669.01	\$30.21
6	Natural gas	\$483.40	\$16.75
7	Electricity	\$1,376.65	\$29.24
8	Fuel oil and other fuels	\$141.46	\$9.24
9	Telephone services	\$1,161.76	\$12.14
10	Water and other public services	\$480.79	\$10.54
11	Personal services	\$389.44	\$20.18
12	Other household expenses	\$616.34	\$14.12
13	Household textiles	\$84.55	\$3.24
14	Furniture	\$341.22	\$14.47
15	Floor coverings	\$30.31	\$3.28
16	Major appliances	\$188.77	\$8.77
17	Small appliances, miscellaneous housewares	\$58.42	\$2.70
18	Miscellaneous household equipment	\$461.10	\$14.79
19	Apparel and services, Men, 16 and over	\$199.70	\$8.65
20	Apparel and services, Boys, 2 to 15	\$61.11	\$2.08
21	Apparel and services, Women, 16 and over	\$336.41	\$8.81
22	Apparel and services, Girls, 2 to 15	\$77.86	\$2.79
23	Apparel and services, Children under 2	\$70.86	\$2.77
24	Footwear	\$147.32	\$4.32
25	Other apparel products and services	\$229.01	\$11.55
26	Cars and trucks, new	\$1,297.15	\$83.75
27	Cars and trucks, used	\$1,304.35	\$70.60
28	Other vehicles	\$55.45	\$11.74
29	Gasoline and motor oil	\$1,986.40	\$20.59
30	Vehicle finance charges	\$281.01	\$8.16
31	Vehicle, Maintenance and repairs	\$682.29	\$15.55
32	Vehicle insurance	\$883.86	\$20.80
33	Vehicle rental, leases, licenses, and other charges	\$446.12	\$16.04
34	Airline fares	\$300.92	\$11.23
35	Public transportation except airfares	\$169.14	\$7.72
36	Health insurance	\$1,784.30	\$26.94
37	Medical services	\$739.89	\$25.71
38	Prescription drugs	\$361.72	\$10.56
39	Medical supplies	\$86.90	\$4.78
40	Fees and admissions	\$602.05	\$18.50
41	Audio and visual equipment and services	\$955.30	\$14.74
42	Pets, toys, hobbies, and playground equipment	\$442.18	\$13.41
43	Recreational vehicle purchases	\$160.10	\$30.19
44	Other entertainment supplies, equipment, and services	\$209.53	\$9.62
45	Personal care products and services	\$300.71	\$6.23

Table B-2. Estimates and standard errors under current design (continued)

New Group ID	Redesign Grouping	Average annual expenditure	Standard error
46	Reading	\$108.99	\$2.92
47	Tuition	\$886.87	\$39.98
48	Other education	\$131.85	\$5.50
49	Tobacco products and smoking supplies	\$377.64	\$10.57
50	Miscellaneous	\$747.07	\$31.40
51	Cash contributions	\$1,723.08	\$84.39
52	Life and other personal insurance	\$309.03	\$12.83
53	Pensions and Social Security	\$5,163.74	\$80.99

Appendix C

Total Variance Reductions for the Quarterly Interview Survey in Each of the Three Reference Periods



Table C-1. Simulation of effects on total variance of the redesigned Quarterly Interview survey for a 1-month reference period and cuts in sample size

Expense category	2009 estimate	Standard error	% between PSU variation	% reduction in total variance		
				No change in sample size	20% reduction in sample	40% reduction in sample
Mortgage interest and charges	3593.71	75.0	28	39	31	17
Property taxes	1809.44	31.1	45	31	25	15
Maintenance, repairs, insurance, other expenses	1138.71	43.1	33	-45	-73	-119
Rented dwellings	2854.51	50.7	10	47	36	19
Other lodging	669.01	30.2	27	7	-10	-37
Natural gas	483.4	16.8	85	6	3	-1
Electricity	1376.65	29.2	89	5	3	1
Fuel oil and other fuels	141.46	9.2	68	-9	-19	-36
Telephone services	1161.76	12.1	56	21	15	6
Water and other public services	480.79	10.5	76	0	-6	-16
Personal services	389.44	20.2	0	53	41	21
Other household expenses	616.34	14.1	41	6	-8	-30
Household textiles	84.55	3.2	31	-98	-139	-208
Furniture	341.22	14.5	12	-168	-232	-337
Floor coverings	30.31	3.3	25	-180	-244	-349
Major appliances	188.77	8.8	29	-128	-177	-259
Small appliances, miscellaneous housewares	58.42	2.7	24	-325	-425	-589
Miscellaneous household equipment	461.1	14.8	40	-60	-90	-139
Apparel and services, Men, 16 and over	199.7	8.7	40	2	-12	-36
Apparel and services, Boys, 2 to 15	61.11	2.1	17	-83	-124	-192
Apparel and services, Women, 16 and over	336.41	8.8	47	-46	-71	-111
Apparel and services, Girls, 2 to 15	77.86	2.8	23	-87	-129	-196
Apparel and services, Children under 2	70.86	2.8	36	-16	-36	-69
Footwear	147.32	4.3	59	-48	-70	-106
Other apparel products and services	229.01	11.6	5	-237	-320	-456
Cars and trucks, new	1297.15	83.8	19	-223	-299	-424
Cars and trucks, used	1304.35	70.6	23	-101	-145	-218
Other vehicles	55.45	11.7	11	-197	-268	-385
Gasoline and motor oil	1986.4	20.6	40	26	18	4
Vehicle finance charges	281.01	8.2	35	38	32	21
Vehicle, Maintenance and repairs	682.29	15.6	41	-80	-114	-171
Vehicle insurance	883.86	20.8	76	-33	-47	-71
Vehicle rental, leases, licenses, and other charges	446.12	16.0	42	10	-1	-21
Airline fares	300.92	11.2	18	-107	-154	-232

Table C-1. Simulation of effects on total variance of the redesigned Quarterly Interview survey for a 1-month reference period and cuts in sample size (continued)

Expense category	2009 estimate	Standard error	% between PSU variation	% reduction in total variance		
				No change in sample size	20% reduction in sample	40% reduction in sample
Public transportation except airfares	169.14	7.7	34	-53	-83	-132
Health insurance	1784.3	26.9	35	27	17	2
Medical services	739.89	25.7	49	-36	-58	-94
Prescription drugs	361.72	10.6	45	16	7	-9
Medical supplies	86.9	4.8	19	-257	-341	-480
Fees and admissions	602.05	18.5	47	3	-9	-30
Audio and visual equipment and services	955.3	14.7	41	-21	-40	-73
Pets, toys, hobbies, and playground equipment	442.18	13.4	31	-50	-79	-128
Recreational vehicle purchases	160.1	30.2	10	-322	-425	-593
Other entertainment supplies, equipment, and services	209.53	9.6	33	-52	-82	-130
Personal care products and services	300.71	6.2	55	20	13	3
Reading	108.99	2.9	51	19	11	-1
Tuition	886.87	40.0	0	-101	-152	-234
Other education	131.85	5.5	21	-57	-91	-146
Tobacco products and smoking supplies	377.64	10.6	23	36	26	9
Miscellaneous	747.07	31.4	2	-47	-83	-142
Cash contributions	1723.08	84.4	55	4	-6	-23
Life and other personal insurance	309.03	12.8	40	-84	-120	-178
Pensions and Social Security	5163.74	81.0	37	35	27	16

Table C-2. Simulation of effects on total variance of the redesigned Quarterly Interview survey for a 3-month reference period and cuts in sample size

Expense category	2009 estimate	Standard error	% between PSU variation	% reduction in total variance		
				No change in sample size	20% reduction in sample	40% reduction in sample
Mortgage interest and charges	3593.71	75.0	28	42	35	22
Property taxes	1809.44	31.1	45	33	27	18
Maintenance, repairs, insurance, other expenses	1138.71	43.1	33	12	-1	-23
Rented dwellings	2854.51	50.7	10	51	42	26
Other lodging	669.01	30.2	27	36	26	11
Natural gas	483.4	16.8	85	8	6	3
Electricity	1376.65	29.2	89	6	5	2
Fuel oil and other fuels	141.46	9.2	68	14	9	2
Telephone services	1161.76	12.1	56	24	19	10
Water and other public services	480.79	10.5	76	12	9	5
Personal services	389.44	20.2	0	45	32	9
Other household expenses	616.34	14.1	41	26	17	4
Household textiles	84.55	3.2	31	9	-5	-30
Furniture	341.22	14.5	12	13	-6	-37
Floor coverings	30.31	3.3	25	1	-17	-48
Major appliances	188.77	8.8	29	3	-14	-42
Small appliances, miscellaneous housewares	58.42	2.7	24	8	-10	-38
Miscellaneous household equipment	461.1	14.8	40	9	-3	-24
Apparel and services, Men, 16 and over	199.7	8.7	40	10	-3	-23
Apparel and services, Boys, 2 to 15	61.11	2.1	17	29	15	-7
Apparel and services, Women, 16 and over	336.41	8.8	47	20	11	-2
Apparel and services, Girls, 2 to 15	77.86	2.8	23	28	16	-4
Apparel and services, Children under 2	70.86	2.8	36	28	19	4
Footwear	147.32	4.3	59	9	2	-11
Other apparel products and services	229.01	11.6	5	28	11	-17
Cars and trucks, new	1297.15	83.8	19	0	-20	-53
Cars and trucks, used	1304.35	70.6	23	5	-13	-43
Other vehicles	55.45	11.7	11	3	-19	-54
Gasoline and motor oil	1986.4	20.6	40	30	22	10
Vehicle finance charges	281.01	8.2	35	40	34	24
Vehicle, Maintenance and repairs	682.29	15.6	41	12	0	-20

Table C-2. Simulation of effects on total variance of the redesigned Quarterly Interview survey for a 3-month reference period and cuts in sample size (continued)

Expense category	2009 estimate	Standard error	% between PSU variation	% reduction in total variance		
				No change in sample size	20% reduction in sample	40% reduction in sample
Vehicle insurance	883.86	20.8	76	9	5	-1
Vehicle rental, leases, licenses, and other charges	446.12	16.0	42	31	24	13
Airline fares	300.92	11.2	18	17	1	-26
Public transportation except airfares	169.14	7.7	34	15	2	-19
Health insurance	1784.3	26.9	35	35	27	15
Medical services	739.89	25.7	49	13	4	-12
Prescription drugs	361.72	10.6	45	24	17	4
Medical supplies	86.9	4.8	19	4	-16	-47
Fees and admissions	602.05	18.5	47	22	14	2
Audio and visual equipment and services	955.3	14.7	41	12	0	-19
Pets, toys, hobbies, and playground equipment	442.18	13.4	31	31	21	6
Recreational vehicle purchases	160.1	30.2	10	1	-21	-58
Other entertainment supplies, equipment, and services	209.53	9.6	33	6	-9	-34
Personal care products and services	300.71	6.2	55	22	17	7
Reading	108.99	2.9	51	21	15	3
Tuition	886.87	40.0	0	23	3	-29
Other education	131.85	5.5	21	19	4	-20
Tobacco products and smoking supplies	377.64	10.6	23	37	27	11
Miscellaneous	747.07	31.4	2	29	11	-17
Cash contributions	1723.08	84.4	55	11	3	-11
Life and other personal insurance	309.03	12.8	40	22	13	-3
Pensions and Social Security	5163.74	81.0	37	37	31	20

Table C-3. Simulation of effects on total variance of the redesigned Quarterly Interview survey for a 12-month reference period and cuts in sample size

Expense category	2009 estimate	Standard error	% between PSU variation	% reduction in total variance		
				No change in sample size	20% reduction in sample	40% reduction in sample
Mortgage interest and charges	3593.71	75.0	28	40	32	19
Property taxes	1809.44	31.1	45	31	25	15
Maintenance, repairs, insurance, other expenses	1138.71	43.1	33	38	30	18
Rented dwellings	2854.51	50.7	10	50	41	24
Other lodging	669.01	30.2	27	41	33	20
Natural gas	483.4	16.8	85	8	7	4
Electricity	1376.65	29.2	89	6	5	3
Fuel oil and other fuels	141.46	9.2	68	18	14	9
Telephone services	1161.76	12.1	56	25	20	12
Water and other public services	480.79	10.5	76	13	11	6
Personal services	389.44	20.2	0	56	45	27
Other household expenses	616.34	14.1	41	33	27	16
Household textiles	84.55	3.2	31	39	31	19
Furniture	341.22	14.5	12	49	40	24
Floor coverings	30.31	3.3	25	42	34	20
Major appliances	188.77	8.8	29	40	32	19
Small appliances, miscellaneous housewares	58.42	2.7	24	43	34	20
Miscellaneous household equipment	461.1	14.8	40	34	27	16
Apparel and services, Men, 16 and over	199.7	8.7	40	34	27	16
Apparel and services, Boys, 2 to 15	61.11	2.1	17	46	37	22
Apparel and services, Women, 16 and over	336.41	8.8	47	30	24	14
Apparel and services, Girls, 2 to 15	77.86	2.8	23	43	35	21
Apparel and services, Children under 2	70.86	2.8	36	36	29	17
Footwear	147.32	4.3	59	23	18	11
Other apparel products and services	229.01	11.6	5	53	43	26
Cars and trucks, new	1297.15	83.8	19	45	36	22
Cars and trucks, used	1304.35	70.6	23	43	35	21
Other vehicles	55.45	11.7	11	50	40	24
Gasoline and motor oil	1986.4	20.6	40	34	27	16
Vehicle finance charges	281.01	8.2	35	36	29	18
Vehicle, Maintenance and repairs	682.29	15.6	41	33	27	16
Vehicle insurance	883.86	20.8	76	13	11	6
Vehicle rental, leases, licenses, and other charges	446.12	16.0	42	32	26	16

Table C-3. Simulation of effects on total variance of the redesigned Quarterly Interview survey for a 12-month reference period and cuts in sample size (continued)

Expense category	2009 estimate	Standard error	% between PSU variation	% reduction in total variance		
				No change in sample size	20% reduction in sample	40% reduction in sample
Airline fares	300.92	11.2	18	46	37	22
Public transportation except airfares	169.14	7.7	34	37	30	18
Health insurance	1784.3	26.9	35	36	29	18
Medical services	739.89	25.7	49	29	23	14
Prescription drugs	361.72	10.6	45	31	25	15
Medical supplies	86.9	4.8	19	45	36	22
Fees and admissions	602.05	18.5	47	30	24	14
Audio and visual equipment and services	955.3	14.7	41	33	27	16
Pets, toys, hobbies, and playground equipment	442.18	13.4	31	39	31	19
Recreational vehicle purchases	160.1	30.2	10	50	41	24
Other entertainment supplies, equipment, and services	209.53	9.6	33	38	30	18
Personal care products and services	300.71	6.2	55	25	20	12
Reading	108.99	2.9	51	27	22	13
Tuition	886.87	40.0	0	56	45	27
Other education	131.85	5.5	21	44	36	21
Tobacco products and smoking supplies	377.64	10.6	23	43	35	21
Miscellaneous	747.07	31.4	2	55	44	26
Cash contributions	1723.08	84.4	55	25	20	12
Life and other personal insurance	309.03	12.8	40	34	27	16
Pensions and Social Security	5163.74	81.0	37	35	28	17