

Table 5.8. U.S. Vehicle Fuel Consumption by Family Income, 1994
(Billion Gallons)

1993 Household and 1994 Vehicle Characteristics	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factor:
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
		0.4	2.4	1.7	1.2	0.9	0.8	0.8	1.4	1.2	0.9	
RSE Column Factor:	0.4	2.4	1.7	1.2	0.9	0.8	0.8	0.7	1.4	1.2	0.9	
<i>Household Characteristics</i>												
Total	90.6	1.7	4.0	6.6	16.0	14.7	19.5	28.1	6.9	10.3	17.9	8.8
Census Region and Division												
Northeast	14.5	Q	Q	0.8	2.0	2.2	3.6	5.2	0.8	1.2	2.4	19.0
New England	4.1	Q	Q	Q	Q	Q	0.8	1.7	Q	Q	0.7	32.6
Middle Atlantic	10.4	Q	Q	0.6	1.5	1.6	2.8	3.5	Q	0.9	1.7	22.2
Midwest	23.8	Q	1.0	2.0	4.8	3.8	5.4	6.6	1.6	2.9	4.7	14.7
East North Central	16.7	Q	0.8	1.2	3.0	2.6	3.5	5.4	1.2	1.9	3.3	19.0
West North Central	7.2	Q	Q	0.8	1.8	1.2	1.9	1.2	Q	0.9	1.4	20.9
South	33.5	Q	1.9	2.0	6.0	6.0	7.2	9.9	2.5	3.7	6.4	15.2
South Atlantic	17.1	Q	Q	1.1	3.1	2.6	3.6	5.5	1.3	1.8	3.4	21.1
East South Central	6.3	Q	Q	Q	1.1	1.5	1.4	1.6	Q	0.9	1.3	27.5
West South Central	10.1	Q	Q	Q	1.8	1.9	2.3	2.9	Q	1.0	1.7	24.5
West	18.8	Q	0.8	1.8	3.2	2.7	3.3	6.3	2.1	2.6	4.4	21.1
Mountain	5.9	Q	Q	Q	1.6	0.9	0.7	1.6	Q	Q	1.3	37.3
Pacific	12.9	Q	Q	1.4	1.6	1.8	2.6	4.7	Q	1.7	3.1	26.6
Largest Populated States												
California	9.5	Q	Q	Q	1.1	1.2	2.0	3.7	Q	Q	2.0	32.1
Florida	5.1	Q	Q	Q	0.9	0.9	1.4	1.3	Q	Q	Q	24.6
New York	4.3	Q	Q	Q	Q	0.6	1.0	1.8	Q	Q	Q	31.3
Texas	6.6	Q	Q	Q	1.4	1.3	1.5	1.8	Q	Q	1.1	27.8
Urban Status												
Urban	67.5	1.4	2.7	4.2	10.7	10.1	14.5	23.9	4.9	6.7	12.1	10.7
Central City	21.4	Q	1.0	2.0	4.2	3.2	4.2	6.2	2.3	2.7	4.9	19.8
Suburban	46.1	Q	1.7	2.2	6.5	6.9	10.2	17.7	2.6	4.0	7.2	14.2
Rural	23.1	Q	1.2	2.4	5.3	4.6	5.0	4.2	2.0	3.7	5.8	15.0
Household Size												
1 Person	9.6	Q	1.2	1.2	2.5	2.2	1.3	0.8	0.9	1.3	2.4	18.4
2 Persons	30.6	Q	1.4	2.4	6.4	4.4	6.7	8.8	1.5	2.2	4.3	14.9
3 Persons	18.9	Q	Q	1.1	3.0	3.0	3.7	7.1	1.3	1.9	3.5	19.9
4 Persons	18.1	Q	Q	0.8	2.3	2.7	4.7	6.9	1.2	1.8	3.3	22.5
5 Persons	9.1	Q	Q	Q	1.2	1.6	2.3	2.7	Q	1.9	2.7	28.8
6 or More Persons	4.2	Q	Q	Q	Q	0.8	Q	1.7	Q	Q	1.6	43.8
Household Composition												
Households with Children	40.4	Q	1.2	2.7	5.9	7.0	9.4	13.6	4.0	6.1	10.0	14.3
Age of Oldest Child												
Under 7 Years	10.3	Q	Q	Q	1.8	1.4	2.5	3.6	Q	1.3	2.2	27.3
7 to 15 Years	20.5	Q	Q	1.7	2.7	4.0	4.5	6.7	2.2	3.4	5.7	17.0
16 or 17 Years	9.6	Q	Q	Q	1.4	1.6	2.4	3.3	Q	1.4	2.1	30.8
Households Without Children	50.2	1.1	2.8	3.9	10.1	7.7	10.2	14.5	2.9	4.3	7.9	11.2
One Adult	9.6	Q	1.2	1.2	2.5	2.2	1.3	0.8	0.9	1.3	2.4	18.4
Age of Householder												
Under 35 Years	2.4	Q	Q	Q	0.7	0.7	Q	Q	Q	Q	Q	37.0
35 to 59 Years	4.1	Q	Q	Q	1.1	0.9	0.8	Q	Q	Q	Q	29.2
60 Years or More	3.0	Q	0.7	0.7	0.7	0.6	Q	Q	0.4	0.7	1.3	22.5
Two or More Adults	40.6	Q	1.6	2.7	7.5	5.5	8.8	13.7	2.0	3.0	5.5	14.0
Age of Householder												
Under 35 Years	8.1	Q	Q	Q	1.5	0.9	1.8	2.1	Q	Q	Q	33.1
35 to 59 Years	20.2	Q	Q	Q	2.7	2.6	4.6	9.0	Q	1.1	1.7	21.8
60 Years or More	12.4	Q	0.6	1.4	3.2	2.0	2.5	2.6	Q	1.1	2.3	20.3

See footnotes at end of table.

Table 5.8. U.S. Vehicle Fuel Consumption by Family Income, 1994 (Continued)
(Billion Gallons)

1993 Household and 1994 Vehicle Characteristics	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factor:
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.4	2.4	1.7	1.2	0.9	0.8	0.8	0.7	1.4	1.2	0.9	
Race of Householder												
White	80.5	1.3	3.0	5.4	14.1	13.2	17.9	25.6	5.0	8.0	14.3	9.5
Black	6.3	Q	Q	Q	1.2	0.9	1.0	1.6	Q	1.4	2.2	34.9
Other	3.7	Q	Q	Q	Q	Q	0.6	0.9	Q	Q	1.4	48.7
Hispanic Descent												
Yes	6.2	Q	Q	Q	1.1	1.1	1.1	1.5	Q	Q	1.8	37.2
No	84.4	1.6	3.6	5.7	14.9	13.6	18.4	26.6	5.9	8.9	16.1	9.0
Number of Drivers² (Fall 1993)												
1	16.5	Q	2.1	2.6	4.2	3.2	2.2	1.5	2.7	3.4	5.6	13.9
2	54.3	Q	1.4	3.3	9.9	8.9	12.7	17.6	2.9	4.9	9.1	12.8
3	13.4	Q	Q	Q	1.5	1.9	3.2	5.9	Q	Q	2.0	27.5
4 or More	6.0	Q	Q	Q	Q	Q	1.3	3.2	Q	Q	0.8	39.6
Age of Primary Driver												
16 to 17 Years	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	93.8
18 to 22 Years	2.5	Q	Q	Q	Q	Q	0.6	1.0	Q	Q	Q	35.7
23 to 29 Years	5.1	Q	Q	Q	1.2	1.0	0.9	1.2	Q	Q	1.1	25.5
30 to 39 Years	14.0	Q	Q	0.6	2.0	2.6	3.6	4.9	0.7	1.3	2.4	17.5
40 to 49 Years	14.0	Q	Q	0.4	1.8	2.2	3.2	6.1	0.4	0.9	1.7	18.2
50 to 59 Years	9.0	Q	Q	Q	1.4	1.5	2.1	3.4	Q	Q	1.0	23.9
60 to 69 Years	5.3	Q	Q	0.5	1.2	1.2	1.1	0.9	Q	0.6	1.0	23.8
70 to 79 Years	3.7	Q	0.3	0.6	1.2	0.4	0.4	0.5	Q	0.5	1.0	24.6
80 Years and Over	0.9	Q	Q	Q	0.4	Q	Q	Q	Q	Q	0.3	40.1
Don't Know	35.6	Q	Q	3.6	6.4	5.1	7.3	9.9	4.1	5.5	8.9	22.5
Sex of Primary Driver												
Female	23.5	Q	1.0	1.6	3.9	3.7	5.2	7.9	1.6	2.4	4.1	10.5
Male	31.5	Q	0.9	1.4	5.7	5.9	7.0	10.2	1.3	2.4	4.9	13.3
Don't Know	35.6	Q	Q	3.6	6.4	5.1	7.3	9.9	4.1	5.5	8.9	22.6
Average Number of Vehicles per Household During the Year												
Part-Year Vehicle	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Only 1	14.8	Q	1.9	2.5	3.4	2.6	2.2	1.6	2.6	3.4	5.7	15.0
Between 1 and 2	5.4	Q	Q	Q	1.3	1.1	1.1	1.0	Q	0.8	1.4	35.2
Only 2	32.9	Q	1.1	2.1	6.4	5.8	6.9	10.3	2.1	3.6	6.2	15.0
Between 2 and 3	8.5	Q	Q	Q	1.2	1.2	2.5	3.1	Q	0.8	1.1	27.0
Only 3	14.5	Q	Q	1.0	2.0	2.1	4.1	5.0	0.8	1.1	1.8	24.8
Between 3 and 4	4.9	Q	Q	Q	0.6	Q	1.2	2.4	Q	Q	Q	40.0
4 or More	8.7	Q	Q	Q	0.9	1.4	1.5	4.8	Q	Q	Q	36.2
<i>Vehicle Characteristics</i>												
Model Year												
1994 to 1995	5.0	Q	Q	Q	0.7	0.7	1.3	2.1	Q	Q	Q	26.6
1993	6.6	Q	Q	Q	0.7	1.0	1.5	3.0	Q	Q	Q	23.7
1992	6.9	Q	Q	0.5	0.7	1.0	1.6	2.9	Q	Q	0.9	22.4
1989 to 1991	20.7	Q	Q	0.9	3.2	2.9	4.9	7.6	1.2	1.7	3.0	15.1
1986 to 1988	19.0	Q	0.8	1.3	3.3	3.1	4.3	6.1	1.0	1.8	3.2	15.3
1983 to 1985	13.3	Q	0.8	1.2	2.8	2.2	2.9	3.2	1.2	1.9	3.6	17.8
1980 to 1982	5.6	Q	Q	0.6	1.2	1.0	1.1	1.0	Q	1.2	1.8	28.3
1977 to 1979	6.3	Q	Q	0.8	1.5	1.4	0.9	1.0	Q	1.4	2.2	34.6
1976 or Earlier	7.2	Q	Q	Q	1.8	1.5	1.0	1.2	Q	Q	2.2	36.8

See footnotes at end of table.

Table 5.8. U.S. Vehicle Fuel Consumption by Family Income, 1994 (Continued)
(Billion Gallons)

1993 Household and 1994 Vehicle Characteristics	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factor:
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
		0.4	2.4	1.7	1.2	0.9	0.8	0.8	1.4	1.2	0.9	
RSE Column Factor:	0.4	2.4	1.7	1.2	0.9	0.8	0.8	0.7	1.4	1.2	0.9	
Type of Vehicle												
Passenger Car	54.7	1.3	2.9	4.6	10.1	8.6	10.8	16.5	4.9	7.0	12.1	9.9
Minivan	5.5	Q	Q	Q	0.7	0.9	1.5	2.0	Q	Q	Q	24.7
Sport Utility	7.4	Q	Q	Q	1.0	1.1	1.8	3.2	Q	Q	0.7	27.5
Large Van	2.9	Q	Q	Q	Q	Q	Q	0.9	Q	Q	Q	42.2
Pickup Truck	19.6	Q	Q	1.3	3.6	3.6	4.8	5.3	Q	2.0	3.6	17.1
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Fuel Efficiency (miles per gallon)												
10.9 or Less	4.1	Q	Q	0.5	0.9	0.6	0.6	1.1	Q	Q	1.4	33.8
11 to 12.9	6.5	Q	Q	Q	1.6	1.3	1.2	1.2	Q	1.0	1.7	32.3
13 to 15.9	12.6	Q	0.6	0.8	2.1	2.3	3.0	3.4	1.1	1.5	2.5	22.6
16 to 18.9	15.9	Q	0.7	1.0	2.9	2.3	3.5	5.3	1.0	1.8	2.9	15.8
19 to 21.9	20.8	Q	Q	1.3	3.1	3.5	4.5	7.5	1.2	1.7	3.3	17.8
22 to 24.9	15.5	Q	Q	0.9	2.4	2.3	3.4	5.5	1.1	1.5	2.7	16.6
25 to 29.9	12.0	Q	Q	1.1	2.5	1.9	2.6	3.2	Q	1.5	2.7	14.8
30 or More	3.2	Q	Q	Q	Q	Q	0.7	0.9	Q	Q	0.7	34.9
Engine Size (liters)												
2.49 or Less	27.4	Q	1.4	2.1	4.8	4.3	5.7	8.5	2.5	3.5	5.7	12.5
2.50 to 3.49	17.5	Q	Q	1.1	2.4	2.9	4.0	6.2	0.9	1.4	2.9	15.3
3.50 to 4.49	15.1	Q	Q	1.0	2.6	2.3	3.3	5.2	1.0	1.5	2.6	20.2
4.50 or Greater	30.6	Q	1.6	2.4	6.2	5.3	6.5	8.2	2.5	3.9	6.7	14.7
Number of Cylinders												
4	28.3	Q	1.4	2.2	4.9	4.6	5.9	8.7	2.4	3.5	5.8	11.5
6	32.3	Q	1.1	2.1	4.9	5.2	7.3	11.2	2.0	3.1	5.6	12.6
8	29.4	Q	1.5	2.3	6.1	4.8	6.3	8.0	2.5	3.7	6.4	15.6
Other	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	71.9
Type of Transmission												
Automatic	69.8	1.3	3.3	5.3	12.6	10.9	14.6	22.0	5.6	8.2	14.5	9.5
Manual Shift	20.7	Q	Q	1.3	3.4	3.8	5.0	6.1	1.3	2.1	3.4	17.9
Type of Drive												
Front-Wheel	38.1	0.8	1.9	2.7	6.2	5.8	8.2	12.5	3.1	4.3	7.7	10.6
Rear-Wheel	39.7	Q	1.8	3.1	7.8	6.9	8.2	11.2	3.2	4.9	8.4	14.2
4-Wheel	12.7	Q	Q	0.7	2.0	2.1	3.1	4.4	Q	1.1	1.7	22.6
Type of Fuel System												
Carburetor	43.9	Q	2.7	4.2	8.9	7.7	8.5	10.7	4.7	6.8	11.2	12.8
Fuel Injection	45.3	Q	1.2	2.4	6.8	6.8	10.7	16.8	2.1	3.4	6.5	10.9
Diesel Engine	1.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	56.9
Type of Fuel Purchased												
Motor Gasoline	88.3	1.7	3.9	6.4	15.5	14.3	19.0	27.5	6.8	9.9	17.4	9.2
Unleaded	87.0	1.6	3.8	6.3	15.0	14.1	18.9	27.3	6.6	9.7	17.0	9.2
Regular Grade	59.9	Q	3.0	4.6	10.5	9.8	12.5	18.4	4.9	7.0	12.2	10.6
Intermediate Grade	11.7	Q	Q	0.7	1.7	1.8	3.1	3.9	Q	1.0	1.8	20.4
Premium Grade	15.4	Q	Q	1.0	2.8	2.6	3.3	4.9	1.1	1.7	3.1	18.3
Leaded	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Gasohol	0.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	73.9
Diesel Fuel	1.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	63.7

See footnotes at end of table.

Table 5.8. U.S. Vehicle Fuel Consumption by Family Income, 1994 (Continued)
(Billion Gallons)

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		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.4	2.4	1.7	1.2	0.9	0.8	0.8	0.7	1.4	1.2	0.9	
Type of Primary Service												31.7 9.6 79.3 NF
Full-Service Pumps	6.8	Q	Q	0.6	1.0	1.0	1.5	2.0	Q	0.9	1.7	
Self or Mini-Service Pumps	82.0	1.5	3.4	5.9	14.6	13.4	17.6	25.6	6.1	9.2	15.7	
Both Equally	1.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Bulk Sales/Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Vehicle Used for Commuting to and from Work												10.9 12.3
Yes	58.2	Q	2.0	3.4	9.4	9.3	12.8	20.6	3.7	5.5	10.0	
No	32.4	0.8	2.0	3.2	6.6	5.4	6.8	7.5	3.2	4.8	7.9	

¹ Below 150 percent of poverty line or 60 percent of median State income.

² Approximately 0.5 percent of the vehicle stock was owned by households that had no drivers as of fall 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • "Households with Children" category includes members under age 18 years old unless the member is the householder or spouse. • To obtain the Relative Standard Error (RSE) percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • Data in this table are for households with vehicles for personal transportation. • See Glossary for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-457 A of the 1993 Residential Energy Consumption Survey and Forms EIA-876 A, B, C, and D of the 1994 Residential Transportation Energy Consumption Survey.