

Table 5.14. U.S. Vehicle Fuel Consumption by Vehicle Type, 1994
(Billion Gallons)

1993 Household and 1994 Vehicle Characteristics	All Vehicle Types	Type of Vehicle								RSE Row Factor:
		Passenger Cars			Mini- van	Sport Utility	Large Van	Pickup Truck	Other	
		All	Sedan	Station Wagon						
	RSE Column Factor:	0.4	0.5	0.5	1.4	1.2	1.2	1.9	0.8	
Household Characteristics										
Total	90.6	54.7	51.3	3.4	5.5	7.4	2.9	19.6	0.4	8.0
Census Region and Division										
Northeast	14.5	9.7	8.7	1.0	0.8	1.3	Q	2.3	Q	16.2
New England	4.1	2.5	2.2	0.3	Q	0.4	Q	0.9	Q	29.7
Middle Atlantic	10.4	7.2	6.5	0.7	0.6	0.9	Q	1.5	Q	18.5
Midwest	23.8	15.1	14.3	0.8	1.8	1.0	1.2	4.8	Q	13.4
East North Central	16.7	10.5	10.0	0.5	1.3	0.7	1.0	3.2	Q	16.7
West North Central	7.2	4.6	4.3	0.3	0.4	Q	Q	1.6	Q	20.1
South	33.5	19.5	18.6	0.9	1.9	3.0	0.9	8.0	Q	13.0
South Atlantic	17.1	10.5	9.9	0.6	1.0	1.7	0.4	3.4	Q	16.0
East South Central	6.3	3.6	3.5	Q	0.3	0.4	Q	1.7	Q	12.3
West South Central	10.1	5.4	5.2	Q	0.6	0.9	Q	2.8	Q	31.9
West	18.8	10.4	9.7	0.7	1.0	2.0	0.5	4.6	Q	17.8
Mountain	5.9	2.7	2.5	Q	Q	0.7	Q	1.7	Q	24.7
Pacific	12.9	7.7	7.2	0.5	0.7	1.3	Q	2.9	Q	23.4
Largest Populated States										
California	9.5	5.7	5.3	0.4	0.6	0.9	Q	2.1	Q	28.8
Florida	5.1	3.2	2.9	Q	0.3	0.6	Q	0.9	Q	18.8
New York	4.3	3.1	2.7	0.3	Q	Q	Q	0.5	Q	23.8
Texas	6.6	3.6	3.4	Q	Q	0.7	Q	1.7	Q	31.3
Urban Status										
Urban	67.5	42.6	39.8	2.8	4.4	5.8	2.3	12.1	Q	9.2
Central City	21.4	14.1	13.1	0.9	1.3	1.7	0.8	3.3	Q	18.8
Suburban	46.1	28.5	26.6	1.9	3.1	4.1	1.5	8.8	Q	11.6
Rural	23.1	12.1	11.5	0.6	1.1	1.6	0.5	7.5	Q	15.0
Household Size										
1 Person	9.6	7.1	6.7	0.3	Q	0.5	Q	1.6	Q	21.7
2 Persons	30.6	19.5	18.7	0.9	0.8	2.2	0.7	7.1	Q	12.9
3 Persons	18.9	11.4	10.5	0.9	0.9	1.8	0.5	4.2	Q	17.1
4 Persons	18.1	9.5	8.8	0.6	1.9	1.7	0.8	4.3	Q	18.1
5 Persons	9.1	4.8	4.2	0.5	1.3	1.0	Q	1.5	Q	25.9
6 or More Persons	4.2	2.5	2.3	Q	0.5	Q	Q	0.8	Q	42.8
Household Composition										
Households with Children	40.4	22.1	20.3	1.8	4.3	3.8	1.5	8.5	Q	12.0
Age of Oldest Child										
Under 7 Years	10.3	6.0	5.5	0.4	0.8	1.2	Q	2.2	Q	22.5
7 to 15 Years	20.5	10.5	9.5	1.0	2.7	2.0	0.9	4.3	Q	15.7
16 or 17 Years	9.6	5.7	5.3	0.4	0.8	0.6	Q	2.1	Q	26.2
Households Without Children	50.2	32.6	31.0	1.6	1.2	3.6	1.4	11.1	Q	10.6
One Adult	9.6	7.1	6.7	0.3	Q	0.5	Q	1.6	Q	21.7
Age of Householder										
Under 35 Years	2.4	1.6	1.6	Q	Q	Q	Q	0.5	Q	40.5
35 to 59 Years	4.1	2.8	2.6	Q	Q	Q	Q	0.8	Q	32.5
60 Years or More	3.0	2.6	2.5	Q	Q	Q	Q	0.3	Q	27.4

See footnotes at end of table.

Table 5.14. U.S. Vehicle Fuel Consumption by Vehicle Type, 1994 (Continued)
(Billion Gallons)

1993 Household and 1994 Vehicle Characteristics	All Vehicle Types	Type of Vehicle								RSE Row Factor:
		Passenger Cars			Mini- van	Sport Utility	Large Van	Pickup Truck	Other	
		All	Sedan	Station Wagon						
RSE Column Factor:	0.4	0.5	0.5	1.4	1.2	1.2	1.9	0.8	3.9	
Household Composition										
Two or More Adults	40.6	25.5	24.2	1.3	1.1	3.2	1.1	9.5	Q	11.7
Age of Householder										
Under 35 Years	8.1	5.4	5.2	Q	Q	0.9	Q	1.5	Q	30.2
35 to 59 Years	20.2	11.8	11.1	0.7	0.4	1.6	Q	5.5	Q	18.1
60 Years or More	12.4	8.3	8.0	0.4	0.5	0.6	0.4	2.5	Q	20.8
Race of Householder										
White	80.5	47.5	44.4	3.1	5.1	6.8	2.4	18.3	0.4	8.3
Black	6.3	4.8	4.6	Q	Q	Q	Q	0.8	Q	38.8
Other	3.7	2.5	2.3	Q	Q	Q	Q	0.6	Q	48.4
Hispanic Descent										
Yes	6.2	3.6	3.3	Q	0.3	0.6	Q	1.4	Q	33.4
No	84.4	51.1	47.9	3.2	5.2	6.9	2.5	18.2	0.4	8.4
1993 Family Income										
Less than \$5,000	1.7	1.3	1.3	Q	Q	Q	Q	Q	Q	49.9
\$5,000 to \$9,999	4.0	2.9	2.7	Q	Q	Q	Q	0.8	Q	38.8
\$10,000 to \$14,999	6.6	4.6	4.3	0.3	Q	Q	Q	1.3	Q	24.8
\$15,000 to \$19,999	8.0	5.3	5.0	0.3	Q	0.5	Q	1.8	Q	27.3
\$20,000 to \$24,999	8.0	4.8	4.5	0.4	0.5	0.5	Q	1.9	Q	26.1
\$25,000 to \$34,999	14.7	8.6	7.9	0.7	0.9	1.1	0.4	3.6	Q	18.4
\$35,000 to \$49,999	19.5	10.8	10.2	0.6	1.5	1.8	0.7	4.8	Q	15.5
\$50,000 to \$74,999	16.2	9.4	8.9	0.5	1.3	1.8	0.4	3.2	Q	18.0
\$75,000 or More	11.9	7.0	6.6	0.4	0.7	1.4	Q	2.0	Q	23.6
Below Poverty Line										
100 Percent	6.9	4.9	4.6	0.3	Q	Q	Q	1.2	Q	30.9
125 Percent	10.3	7.0	6.5	0.5	0.5	0.4	Q	2.0	Q	27.5
150 Percent	14.7	9.9	9.2	0.7	0.7	0.6	0.5	3.0	Q	24.7
Eligible for Federal Assistance ¹	17.9	12.1	11.2	0.9	0.8	0.7	0.5	3.6	Q	22.9
Number of Drivers ² (Fall 1993)										
1	16.5	11.9	11.2	0.7	0.5	0.7	0.5	2.8	Q	19.3
2	54.3	30.9	29.1	1.9	4.1	5.4	1.4	12.3	Q	9.5
3	13.4	7.7	7.1	0.7	0.7	1.0	0.8	3.1	Q	22.8
4 or More	6.0	3.8	3.6	Q	Q	Q	Q	1.4	Q	35.6
Age of Primary Driver										
16 to 17 Years	0.5	0.3	0.3	Q	Q	Q	Q	Q	Q	76.8
18 to 22 Years	2.5	1.9	1.8	Q	Q	Q	Q	0.5	Q	40.1
23 to 29 Years	5.1	3.1	2.9	Q	Q	0.5	Q	1.1	Q	25.5
30 to 39 Years	14.0	7.3	6.5	0.8	1.5	1.6	Q	3.1	Q	15.7
40 to 49 Years	14.0	7.4	6.9	0.5	1.3	1.6	0.8	3.0	Q	15.4
50 to 59 Years	9.0	5.3	4.9	Q	0.4	0.4	Q	2.5	Q	22.4
60 to 69 Years	5.3	3.3	3.2	Q	Q	Q	Q	1.2	Q	24.9
70 to 79 Years	3.7	2.7	2.6	Q	Q	Q	Q	0.5	Q	27.5
80 Years and Over	0.9	0.6	0.6	Q	Q	Q	Q	Q	Q	36.6
Don't Know	35.6	22.7	21.4	1.3	1.5	2.7	1.1	7.5	Q	21.0

See footnotes at end of table.

Table 5.14. U.S. Vehicle Fuel Consumption by Vehicle Type, 1994 (Continued)
(Billion Gallons)

1993 Household and 1994 Vehicle Characteristics	All Vehicle Types	Type of Vehicle								RSE Row Factor:
		Passenger Cars			Mini- van	Sport Utility	Large Van	Pickup Truck	Other	
		All	Sedan	Station Wagon						
RSE Column Factor:	0.4	0.5	0.5	1.4	1.2	1.2	1.9	0.8	3.9	
Sex of Primary Driver										
Female	23.5	17.0	16.0	1.1	2.9	1.8	0.6	1.2	Q	11.7
Male	31.5	15.0	14.0	1.1	1.1	3.0	1.2	10.9	Q	11.9
Don't Know	35.6	22.6	21.3	1.3	1.5	2.7	1.1	7.5	Q	20.9
Average Number of Vehicles per Household During the Year										
Part-Year Vehicle	0.7	0.6	0.6	Q	Q	Q	Q	Q	Q	102.4
Only 1	14.8	11.2	10.5	0.6	0.7	0.7	Q	1.9	Q	19.0
Between 1 and 2	5.4	3.4	3.2	0.2	0.4	0.4	Q	1.0	Q	32.1
Only 2	32.9	18.8	17.6	1.2	2.5	3.2	1.2	7.2	Q	12.7
Between 2 and 3	8.5	4.7	4.5	0.2	0.6	1.1	Q	1.9	Q	22.2
Only 3	14.5	8.0	7.4	0.6	0.7	1.0	0.6	4.0	Q	21.2
Between 3 and 4	4.9	2.9	2.7	Q	Q	0.4	Q	1.3	Q	37.4
4 or More	8.7	5.1	4.8	0.3	0.4	0.6	Q	2.2	Q	27.3
Vehicle Characteristics										
Model Year										
1994 to 1995	5.0	2.4	2.3	Q	0.7	0.6	Q	1.3	Q	25.3
1993	6.6	3.8	3.5	0.3	0.8	0.8	Q	1.1	Q	22.0
1992	6.9	4.3	4.1	Q	0.7	0.8	Q	1.1	Q	21.5
1989 to 1991	20.7	11.8	11.4	0.4	2.0	2.1	0.7	4.0	Q	14.5
1986 to 1988	19.0	12.4	11.7	0.8	1.1	1.6	Q	3.3	Q	15.1
1983 to 1985	13.3	8.7	7.7	1.0	0.3	0.8	0.7	2.8	Q	19.7
1980 to 1982	5.6	4.0	3.6	0.4	Q	Q	Q	1.1	Q	29.8
1977 to 1979	6.3	3.6	3.4	Q	Q	Q	Q	2.2	Q	38.0
1976 or Earlier	7.2	3.8	3.6	Q	Q	Q	Q	2.6	Q	34.9
Fuel Efficiency (miles per gallon)										
10.9 or Less	4.1	1.0	0.9	Q	Q	0.3	Q	1.9	0.4	25.7
11 to 12.9	6.5	2.3	2.1	Q	Q	0.9	Q	2.9	Q	34.8
13 to 15.9	12.6	3.8	3.6	Q	Q	1.5	1.5	5.7	Q	20.9
16 to 18.9	15.9	6.8	6.2	0.5	1.7	3.2	Q	3.8	Q	16.0
19 to 21.9	20.8	13.2	12.5	0.7	3.3	1.3	Q	2.9	Q	15.2
22 to 24.9	15.5	13.3	12.4	0.9	0.4	Q	Q	1.7	Q	17.2
25 to 29.9	12.0	11.3	10.6	0.7	Q	Q	Q	0.7	Q	16.1
30 or More	3.2	3.1	2.9	Q	Q	Q	Q	Q	Q	33.0
Engine Size (liters)										
2.49 or Less	27.4	22.9	21.2	1.7	0.7	0.4	Q	3.4	Q	14.8
2.50 to 3.49	17.5	10.4	9.8	0.6	3.3	1.6	Q	2.0	Q	13.5
3.50 to 4.49	15.1	8.1	7.8	0.4	1.5	3.1	Q	2.0	Q	18.2
4.50 or Greater	30.6	13.2	12.5	0.7	Q	2.3	2.5	12.1	0.4	14.5
Number of Cylinders										
4	28.3	22.8	21.1	1.7	1.1	0.6	Q	3.8	Q	12.9
6	32.3	17.4	16.4	1.0	4.4	4.6	0.6	5.3	Q	12.4
8	29.4	14.0	13.3	0.7	Q	2.2	2.3	10.5	0.4	14.4
Other	0.5	0.5	0.5	Q	Q	Q	Q	Q	Q	60.1

See footnotes at end of table.

Table 5.14. U.S. Vehicle Fuel Consumption by Vehicle Type, 1994 (Continued)
(Billion Gallons)

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		Passenger Cars			Mini- van	Sport Utility	Large Van	Pickup Truck	Other	
		All	Sedan	Station Wagon						
RSE Column Factor:	0.4	0.5	0.5	1.4	1.2	1.2	1.9	0.8	3.9	

Type of Transmission										
Automatic	69.8	45.0	42.4	2.6	5.1	5.8	2.7	10.8	0.4	8.9
Manual Shift	20.7	9.7	8.9	0.8	0.4	1.7	Q	8.8	Q	16.7
Type of Drive										
Front-Wheel	38.1	32.7	30.9	1.8	3.4	Q	Q	1.4	Q	10.6
Rear-Wheel	39.7	21.2	19.8	1.3	1.6	1.6	2.7	12.3	0.3	12.9
4-Wheel	12.7	0.9	0.5	0.3	Q	5.4	Q	5.9	Q	24.5
Type of Fuel System										
Carburetor	43.9	25.7	23.4	2.3	0.9	2.7	2.1	12.3	Q	13.0
Fuel Injection	45.3	28.6	27.4	1.2	4.7	4.7	0.8	6.4	Q	10.4
Diesel Engine	1.4	0.4	0.4	Q	Q	Q	Q	0.9	Q	54.8
Type of Fuel Purchased										
Motor Gasoline	88.3	53.8	50.4	3.4	5.5	7.3	2.9	18.4	0.4	8.1
Unleaded	87.0	53.1	49.7	3.4	5.5	7.3	2.9	17.9	0.4	8.1
Regular Grade	59.9	35.7	33.4	2.4	3.9	4.7	2.1	13.2	Q	9.3
Intermediate Grade	11.7	7.2	6.7	0.5	0.7	1.3	Q	2.1	Q	18.7
Premium Grade	15.4	10.2	9.7	Q	0.8	1.4	Q	2.6	Q	18.4
Leaded	1.2	Q	Q	Q	Q	Q	Q	Q	Q	97.7
Gasohol	0.9	0.6	0.6	Q	Q	Q	Q	Q	Q	63.8
Diesel Fuel	1.2	0.3	0.3	Q	Q	Q	Q	0.9	Q	59.3
Type of Primary Service										
Full-Service Pumps	6.8	5.0	4.7	0.3	0.4	0.5	Q	0.8	Q	35.2
Self or Mini-Service Pumps	82.0	48.7	45.6	3.0	5.1	6.7	2.7	18.4	0.4	8.4
Both Equally	1.6	1.0	0.9	Q	Q	Q	Q	Q	Q	62.3
Bulk Sales/Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Vehicle Use for Commuting to and from Work										
Yes	58.2	34.7	32.4	2.3	3.5	5.4	1.6	13.0	Q	9.5
No	32.4	20.0	18.9	1.2	2.0	2.1	1.2	6.6	0.4	12.6

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

² Approximately .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 unless the member is the householder or spouse. • To obtain the 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 use. • Percentages are calculated on unrounded numbers. • 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 for the 1994 Residential Transportation Energy Consumption Survey.