Rhode Island

Transportation Profile





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Rhode Island Fast Facts 2000

Transportation System Extent

All public roads: 6,052 miles

Interstate: 70 miles Road bridges: 747

Regional railroad trackage: 102 miles

Inland waterways: 39 miles

Public use airports: 7 (1 certificated for air

carrier operations)¹

Vehicles and Conveyances

Automobiles registered: 539,000

Light trucks registered: 201,000

Heavy trucks registered: 2,800

Buses registered: 2,000

Motorcycles registered: 19,000

Numbered boats: 40,000

Geographic

Land area: 1,045 sq. miles (rank: 50)

Percent of land area owned by federal

government: 0.6^2 (rank: 46)

Persons per square mile: 1,003.2

(rank: 2)

Highest point: Jerimoth Hill (812 ft.)

Lowest point: Atlantic Ocean (0 ft.)

⁵1990

Political Subdivisions

Counties: 5

Municipal governments: 8³ Congressional districts: 2⁴

Demographic

Population: 1,048,319 (rank: 43)

Percent urban population: 86⁵ (rank: 7)

Socioeconomic

Gross state product: \$33 billion² (rank: 44)

Civilian labor force: 505,000²

(rank: 43)

Median household income: \$42,973

(rank: 22)

Commuting (percent of workers)

Car, truck, or van—drove alone: 82.4

Car, truck, or van—carpooled: 10.1

Public transportation (including taxi): 2.1

Walked: 2.7

Other means: 1.1

Worked at home: 1.7

State Transportation Department

Rhode Island Department of Transportation (RIDOT)

Two Capitol Hill

Providence, RI 02903

(401) 222-2481

http://www.dot.state.ri.us/

¹2002

²1999

³1997

⁴Apportionment based on 2002 census

The Bureau of Transportation Statistics (BTS) presents a profile of transportation in Rhode Island—part of a series covering the 50 states and the District of Columbia. This collection of transportation information from BTS, other federal government agencies, and other national sources provides a picture of the state's infrastructure, freight movement and passenger travel, safety, vehicles, economy and finance, and energy and environment.

All tables do not necessarily appear in every state profile report due to geographic and other characteristics. For example, border-crossing data are given only for states bordering Canada and Mexico. Data source and accuracy profiles are provided at the end of the report.

Table of Contents

A Infrastructure

TABLES	PAGE
Rhode Island Public Road Length, Miles by Functional System: 1995-2000	A-1
Rhode Island Public Road Length, Miles by Ownership: 2000	
Rhode Island Toll Bridges and Ferries: 2001	A-2
Rhode Island Road Condition by Functional System – Rural: 1995-2000	A-3
Rhode Island Road Condition by Functional System – Urban: 1995-2000	
Highway Bridge Condition: 2001	
Characteristics of Directly Operated Motor Bus Transit in Rhode Island: 2000.	A-7
Civil and Joint-Use Airports, Heliports, STOLports, and Seaplane Bases	
in Rhode Island: 2002	
Rhode Island Commercial Service Airport Enplanements: 2000	A-9
Freight Railroads in Rhode Island and the United States: 2000	
Freight Railroads Operating in Rhode Island by Class: 2000	A-11
Rhode Island Water Ports Ranked in Top 150 U.S. Ports by Tonnage: 2000	A-12
Inland Waterway Mileage: 2000	A-12
FIGURES	
Rural Road Conditions in Rhode Island: 2000	۸ 2
Urban Road Conditions in Rhode Island: 2000	
Highway Bridge Condition in Rhode Island and the United States: 1996-2001	
riighway Bridge Condition in Knode Island and the Officed States. 1990-2001	A-0
D. Cofety	
B Safety	
TABLES	
Highway Traffic Fatalities and Fatality Rates: 2000	B-1
Passenger Car Occupants Killed and Restraint Use: 2000	B-2
Key Provisions of Safety Belt Use Laws: 2000	B-3
Shoulder Belt Use: 2000.	
Pedestrian Fatalities Involving Motor Vehicles: 2000	B-5
Motor Vehicle Fatalities Involving High Blood Alcohol Concentration:	
1995 and 2000	B-6
Impaired Driving Laws: 2000	B-7
Maximum Posted Speed Limits by System: 2001	B-8
Total Rail Accidents/Incidents: 2000	
Highway-Rail Grade Crossing Incidents: 2000	B-10
Highway-Rail Grade Crossings by Type: 2000	
Warning Devices at Public Highway-Rail Grade Crossings: 2000	B-11
Types of People Injured in Rhode Island Train Accidents/Incidents: 2000	
Rhode Island Transit Safety Data: 2000	B-13
U.S. Transit Safety Data: 2000.	B-13
Recreational Boating Accidents: 2000	B-14

	PAGE
Alcohol Involvement in Recreational Boating Accidents: 1999 and 2000	B-15
Hazardous Materials Incidents: 2000	
Rhode Island Hazardous Materials Incidents by Mode: 2000	
Natural Gas Distribution Pipeline Incidents: 1995-2000	
Natural Gas Transmission Pipeline Incidents: 1995-2000	
Hazardous Liquid Pipeline Incidents: 1995-2000	B-19
FIGURES	
Shoulder Belt Use: 1998-2000	B-4
Rhode Island Train Accidents: 1995-2000	B-9
Rhode Island Highway-Rail Grade Crossing Fatalities and Injuries: 1995-2000	
Railroad Trespasser Deaths and Injuries in Rhode Island: 1995-2000	
Rhode Island Recreational Boating Accidents: 1995-2000	
Rhode Island Recreational Boating Accidents Involving Alcohol: 1996-2000	
Rhode Island Hazardous Materials Incidents: 1995-2000	
Rhode Island Hazardous Materials Incidents by Mode: 1995-2000	
·	
C Freight Transportation	
TABLES	~ 1
Domestic Shipments to Rhode Island by State: 1997	
Domestic Shipments from Rhode Island by State: 1997	
Shipments Originating in Rhode Island by Mode of Transportation: 1997	
Domestic Shipments from Rhode Island by Truck: 1997	
Domestic Shipments to Rhode Island by Truck: 1997	
Truck Shipments from Rhode Island by Commodity: 1997	
Rail Shipments Terminating in Rhode Island: 1999 and 2000	
Rail Shipments Originating in Rhode Island: 1999 and 2000	C-8
Foreign and Domestic Waterborne Shipments Originating in Rhode Island	G 11
by Destination: 2000	
Foreign and Domestic Waterborne Shipments to Rhode Island by Origin: 2000	
Foreign and Domestic Waterborne Shipments Originating in Rhode Island	
by Commodity: 2000	C-12
Domestic Waterborne Shipments Originating in Rhode Island	C 10
by Commodity: 2000	C-12
Foreign and Domestic Waterborne Shipments to Rhode Island	C 12
by Commodity: 2000	
Domestic Waterborne Shipments to Rhode Island by Commodity: 2000	
U.S. Waterborne Imports by State and Vessel Type: 1999	
U.S. Waterborne Exports by State and Vessel Type: 1999	
Scheduled and Nonscheduled Air Freight and Mail Enplaned: 2000	
Surface Merchandise Trade with Canada and Mexico: 2000	C-17
FIGURES	
Rhode Island Surface Merchandise Trade with Canada and Mexico: 1997-2000.	C-17
Truck and Rail Imports from Mexico to Rhode Island by Weight: 1997-2000	
Truck and Rail Imports from Canada to Rhode Island by Weight: 1997-2000	

MAPS	
Rhode Island Network Truck Flows: 1998	
Rhode Island Total Rail Flows: 1999	
D Passenger Travel	
_	
TABLES	D 1
Commuting to Work: 2000Licensed Drivers: 2000	
Urban Transit Agencies in Rhode Island: 2000	
FIGURES	
Licensed Drivers in Rhode Island by Age and Sex: 2000	D-1
Overseas Visitors to Rhode Island: 1995-2000	D-3
E Registered Vehicles and Vehicle-Miles Traveled	
TABLES	
	E 1
Rhode Island and U.S. Motor-Vehicle Registrations: 2000	
Rhode Island Truck Characteristics and Use: 1997	
Highway Vehicle-Miles Traveled (VMT): 2000	
Highway, Demographic, and Geographic Characteristics of Urbanized Area	
in Rhode Island: 2000	E-4
Rhode Island and U.S. Recreational Boat Registrations by Propulsion Type:	
1999 and 2000	
General Aviation and Air Taxi Aircraft and Hours Flown: 2000	
Active Aviation Pilots and Flight Instructors: 2000	
FIGURES	
Highway Vehicle-Miles Traveled, United States and Rhode Island: 1995-20	
Rhode Island Recreational Boat Registrations: 1996-2000	E-3
F Economy and Finance	
TABLES	
Transportation and Warehousing Establishments and Employment	
in Rhode Island: 1999	F-1
Transportation and Warehousing Establishments and Employment	
in the United States: 1999	F-1
Transportation Revenues Collected by State and Local Governments in Rhode Island: 1995-1999	EO
Transportation Expenditures by State and Local Governments	Г -2
in Rhode Island: 1995-1999	F-2
State Motor-Fuel Tax Rates: 2000	

G Energy and Environment	
TABLES	
Transportation Energy Consumption: 1999	G-1
Energy Consumption by End-Use Sector: 1999	G-2
Transportation Energy Consumption per Capita: 1999	G-5
Rhode Island and U.S. Motor-Fuel Use: 2000	G-6
Rhode Island Air Quality Nonattainment Areas for Ozone	$(O_3) \dots G-7$
Highway Noise Barriers: 1999	G-8
FIGURES	

H Information on Data Sources...... H-1

Map: Rhode Island Major Transportation Facilities

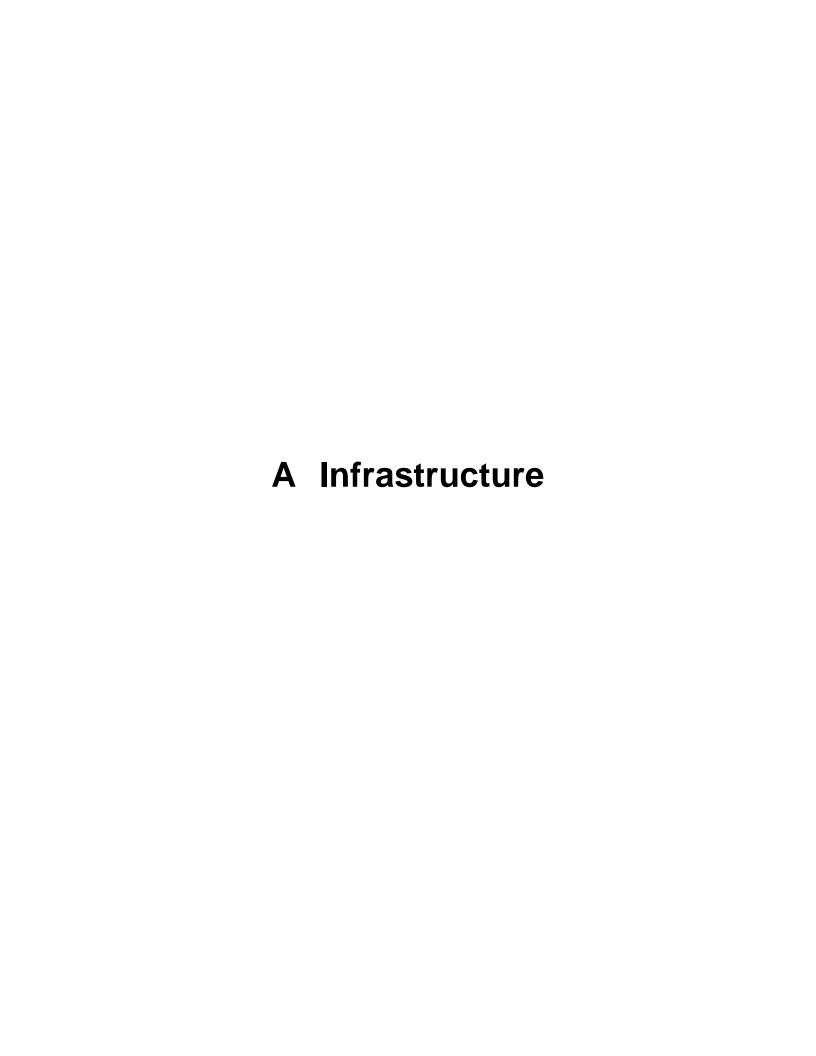


Table 1-1: Rhode Island Public Road Length, Miles by Functional System

	1995	1996	1997	1998	1999	2000
Total rural and urban	5,893	6,001	6,028	6,048	6,052	6,052
Rural	1,321	1,360	1,344	1,344	1,333	1,333
Interstate	21	21	21	21	21	21
Other principal arterial	63	63	67	67	66	66
Minor arterial	80	80	76	76	75	75
Major arterial	193	177	176	176	176	176
Minor collector	121	175	151	151	151	151
Local	843	844	853	853	844	844
Urban	4,572	4,641	4,684	4,704	4,719	4,719
Interstate	48	48	47	47	49	49
Other freeways and expressways	68	68	68	68	69	69
Other principal arterial	329	331	329	338	351	351
Minor arterial	279	279	356	354	353	353
Collector	504	505	515	530	530	530
Local	3,344	3,410	3,369	3,367	3,367	3,367

SOURCE: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, Washington, DC: annual editions, table HM-20, available at http://www.fhwa.dot.gov/ohim/hs00/hm20.htm as of Feb. 1, 2002.

Table 1-2: Rhode Island Public Road Length, Miles by Ownership: 2000

	National Highway System	Other federal-aid highway	Nonfederal- aid highway	Total
Total	263	1,426	4,363	6,052
State highway agency	263	906	0	1,169
County	0	0	0	0
Town, township, municipal	0	520	4,354	4,874
Other jurisdiction ¹	0	0	0	0
Federal agency ²	0	0	9	9

¹ Includes state park, state toll, other state agency, other local agency, and roadways not identified by ownership.

SOURCE: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, Washington, DC: annual editions, table HM-14, available at http://www.fhwa.dot.gov/ohim/hs00/hm14.htm as of Feb. 1, 2002.

² Roadways in federal parks, forests, and reservations that are not part of the state and local highway systems.

Table 1-3: Rhode Island Toll Bridges and Ferries: 2001

Facility	Financing or operating authority	Location	Length in miles	Toll collection direction	Electronic collection system
Noninterstate					
Newport	RI Turnpike and Bridge Authority	From Jamestown, RI (across Narragansett Bay) to Newport, RI	2.2	Both ways	No
Vehicular toll ferries					
New London/Block Island	Interstate Navigation Co.	From New London, CT to Block Island, RI	U	Both ways	No
Bristol	Prudence Island Navigation Co.	From Bristol, RI to Prudence, RI and Hog Islands, RI	U	Both ways	No
Point Judith	Interstate Navigation Co.	From Point Judith, RI to Block Island, RI	U	Both ways	No

KEY: U = data are unavailable.

SOURCE: U.S. Department of Transportation, Federal Highway Administration, *Toll Facilities in the United States: Bridges-Roads-Tunnels-Ferries,* Washington, DC: June 2001, available at http://www.fhwa.dot.gov/ohim/tollpage.htm as of Feb. 18, 2002.

Table 1-4: Rhode Island Road Condition by Functional System -- Rural (Miles)

	1995	1996	1997	1998	1999	2000
Interstate (total reported)	12	12	0	22	21	21
Very good	0	0	0	0	0	0
Good	1	1	0	18	18	18
Fair	4	4	0	4	3	3
Mediocre	6	6	0	0	0	0
Poor	1	1	0	0	0	0
Not reported	9	9	21	0	0	0
Other principal arterial (total reported)	63	63	0	67	64	63
Very good	0	0	0	0	0	0
Good	2	2	0	26	24	24
Fair	38	38	0	39	37	36
Mediocre	6	6	0	2	3	3
Poor	17	17	0	0	0	0
Not reported	0	0	67	0	0	2
Minor arterial (total reported)	80	80	0	75	75	70
Very good	0	0	0	2	3	3
Good	10	10	0	37	36	32
Fair	47	47	0	32	33	31
Mediocre	12	12	0	2	1	2
Poor	11	11	0	2	2	2
Not reported	0	0	76	0	0	5
Major collector (total reported)	N	N	N	N	N	83
Very good	N	N	N	N	N	0
Good	N	N	N	N	N	33
Fair	N	N	N	N	N	37
Mediocre	N	N	N	N	N	7
Poor	N	N	N	N	N	6
Not reported	N	N	N	N	N	N

KEY: N = data do not exist.

NOTE: In 2000, the Federal Highway Administration began reporting road condition for rural major collectors using the International Roughness Index, if available. In prior years, data were only available using the Present Serviceability Rating.

Percent 100 ■ Very good ■ Good □Fair ■ Poor 86 90 80 70 57 60 46 44 50 40 30 20 10 3 3 0 0 0 Other principal arterial Interstate Minor arterial Major collector

Figure 1-1: Rural Road Conditions in Rhode Island: 2000

NOTE FOR DATA ON THIS PAGE: Road condition is based on measured pavement roughness using the International Roughness Index (IRI). IRI is a measure of surface condition. A comprehensive measure of pavement condition would require data on other pavement distresses such as rutting, cracking, and faulting.

SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, Washington, DC: annual editions, tables HM-63 and HM-64, available at http://www.fhwa.dot.gov/ as of Feb. 1, 2002.

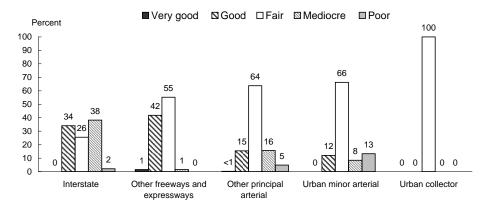
Table 1-5: Rhode Island Road Condition by Functional System -- Urban (Miles)

	1995	1996	1997	1998	1999	2000
Interstate (total reported)	48	48	0	46	48	47
Very good	0	0	0	0	0	C
Good	17	17	0	15	16	16
Fair	20	20	0	13	13	12
Mediocre	9	9	0	17	18	18
Poor	2	2	0	1	1	1
Not reported	0	0	47	0	0	1
Other freeways and expressways (total reported)	67	67	0	68	68	67
Very good	0	0	0	0	1	1
Good	17	17	0	29	28	28
Fair	37	37	0	37	38	37
Mediocre	7	7	0	2	1	1
Poor	6	6	0	0	0	C
Not reported	1	1	68	0	0	C
Other principal arterial (total reported)	306	308	0	326	351	351
Very good	0	0	0	0	1	1
Good	8	8	0	53	52	54
Fair	118	118	0	199	224	224
Mediocre	100	100	0	57	57	55
Poor	80	82	0	17	17	17
Not reported	23	23	329	13	0	2
Urban minor arterial (total reported)	N	N	N	N	N	166
Very good	N	N	N	N	N	C
Good	N	N	N	N	N	20
Fair	N	N	N	N	N	110
Mediocre	N	N	N	N	N	14
Poor	N	N	N	N	N	22
Not reported	N	N	N	N	N	N
Urban collector (total reported)	N	N	N	N	N	8
Very good	N	N	N	N	N	C
Good	N	N	N	N	N	C
Fair	N	N	N	N	N	8
Mediocre	N	N	N	N	N	C
Poor	N	N	N	N	N	C
Not reported	N	N	N	N	N	N

KEY: N = data do not exist.

NOTE: In 2000, the Federal Highway Administration began reporting road condition for urban minor arterials and urban collectors using the International Roughness Index, if available. In prior years, data were only available using the Present Serviceability Rating.

Figure 1-2: Urban Road Conditions in Rhode Island: 2000



NOTE FOR DATA ON THIS PAGE: Road condition is based on measured pavement roughness using the International Roughness Index (IRI). IRI is a measure of surface condition. A comprehensive measure of pavement condition would require data on other pavement distresses such as rutting, cracking, and faulting.

SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, Washington, DC: annual editions, tables HM-63 and HM-64, available at http://www.fhwa.dot.gov/ as of Feb. 1, 2002.

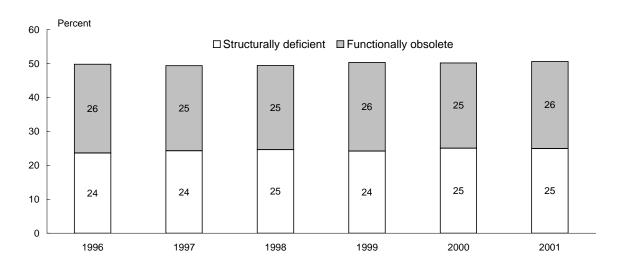
Table 1-6: Highway Bridge Condition: 2001

	All bridges	Structurally deficient	Functionally obsolete	Total o	f both
State	(number)	(number)	(number)	(number)	(percent)
Alabama	15,641	2,677	2,245	4,922	31.5
Alaska	1,433	169	243	412	28.8
Arizona	6,918	194	541	735	10.6
Arkansas	12,434	1,479	1,996	3,475	27.9
California	23,770	2,636	4,204	6,840	28.8
Colorado	8,082	596	847	1,443	17.9
Connecticut	4,171	362	943	1,305	31.3
Delaware	829	47	82	129	15.6
District of Columbia	243	25	136	161	66.3
Florida	11,303	300	1,814	2,114	18.7
Georgia	14,394	1,578	1,924	3,502	24.3
Hawaii	1,071	193	344	537	50.1
Idaho	4,069	320	436	756	18.6
Illinois	25,529	2,725	2,099	4,824	18.9
Indiana	18,067	2,257	2,161	4,418	24.5
lowa	25,030	5,036	2,060	7,096	28.3
Kansas	25,638	3,465	2,959	6,424	25.1
Kentucky	13,442	1,189	2,864	4,053	30.2
Louisiana	13,426	2,425	2,166	4,591	34.2
Maine	2,367	354	512	866	36.6
Maryland	4,957	436	1,010	1,446	29.2
Massachusetts	4,986	696	1,792	2,488	49.9
Michigan	10,631	2,012	1,354	3,366	31.7
Minnesota	12,830	1,221	563	1,784	13.9
Mississippi	16,825	3,694	1,308	5,002	29.7
Missouri	23,604	6,083	2,747	8,830	37.4
Montana	5,009	570	560	1,130	22.6
Nebraska	15,493	2,676	1,661	4,337	28.0
Nevada	1,510	67	154	221	14.6
New Hampshire	2,354	387	415	802	34.1
New Jersey	6,366	930	1,420	2,350	36.9
New Mexico	3,790	348	355	703	18.5
New York	17,378	2,406	4,182	6,588	37.9
North Carolina	16,991	2,513	2,794	5,307	31.2
North Dakota	4,517	871	266	1,137	25.2
Ohio	27,952	3,304	3,862	7,166	25.6
Oklahoma	22,708	7,605	1,518	9,123	40.2
Oregon	7,309	362	1,291	1,653	22.6
Pennsylvania	22,092	5,418	4,022	9,440	42.7
Rhode Island	749	187	192	379	50.6
South Carolina	9.064		_		22.7
	- ,	1,187	869	2,056	
South Dakota	6,001	1,398	346	1,744	29.1
Tennessee	19,362	1,761	2,940	4,701	24.3
Texas	48,085	3,182	7,373	10,555	22.0
Utah	2,743	389	245	634	23.1
Vermont	2,714	452	503	955	35.2
Virginia	12,789	1,222	2,243	3,465	27.1
Washington	7,939	551	1,591	2,142	27.0
West Virginia	6,767	1,172	1,495	2,667	39.4
Wisconsin	13,516	1,862	795	2,657	19.7
Wyoming	3,076	389	253	642	20.9
United States	590,066	83,630	81,469	165,099	28.0

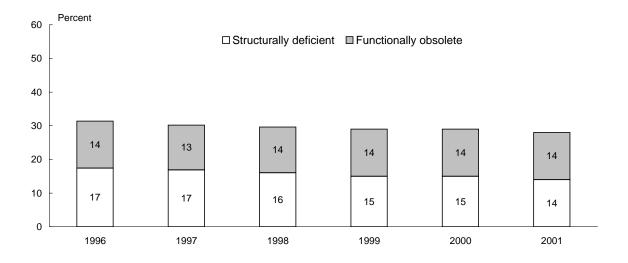
SOURCE: U.S. Department of Transportation, Federal Highway Administration, *National Bridge Inventory: Deficient Bridges by State and Highway System,* Washington, DC: 2001, available at http://www.fhwa.dot.gov/bridge/britab.htm as of Jan. 31, 2002.

Figure 1-3: Highway Bridge Condition

Rhode Island



United States



SOURCE: U.S. Department of Transportation, Federal Highway Administration, *National Bridge Inventory: Deficient Bridges by State and Highway System,* Washington, DC: 2001, available at http://www.fhwa.dot.gov/bridge/britab.htm as of Jan. 31, 2002.

Table 1-7: Characteristics of Directly Operated Motor Bus Transit in Rhode Island: 2000

	Dir	Directional route-miles			
	Exclusive	Controlled	Mixed		
Transit agency	right-of-way	right-of-way	right-of-way		
Rhode Island Public Transit Authority	1.6	0.0	457.7		

NOTES: Directional route-miles is the mileage in each direction over which public transportation vehicles travel while in revenue service. Directional route-miles are a measure of the facility or roadway, not the service carried on the facility such as the number of routes or vehicle-miles. Directional route-miles are computed with regard to direction of service, but without regard to the number of traffic lanes or rail tracks existing in the right-of-way. Exclusive right-of-way refers to lanes reserved at all times for transit use and other high occupancy vehicles (HOVs). Controlled right-of-way refers to lanes restricted for at least a portion of the day for use by transit vehicles and other HOVs. Mixed right-of-way refers to lanes used for general automobile traffic.

Directly operated transit is service provided by a public transit agency using its own employees to operate transit vehicles. Transit service purchased under contract by a public transit agency is not considered directly operated transit.

SOURCE: U.S. Department of Transportation, Federal Transit Administration, National Transit Database, Data Tables, available at http://www.ntdprogram.com/ as of Feb. 19, 2002.

Table 1-8: Civil and Joint-Use Airports, Heliports, STOLports, and Seaplane Bases in Rhode Island: 2002¹

Ownership and usage	Airports	Heliports	STOLports	Seaplane bases	Total
Publicly owned	6	2	0	0	8
Open to public	6	1	0	0	7
Closed to public	0	1	0	0	1
Privately owned	4	13	0	1	18
Open to public	1	0	0	0	1
Closed to public	3	13	0	1	17
Total	10	15	0	1	26

¹Data are current as of Jan. 31, 2002.

KEY: STOLport = Short take-off and landing airport.

NOTE: Publicly owned facilities are open for public use with no prior authorization or permission. Publicly owned facilities closed to the public include medical, law enforcement, and other such facilities.

SOURCE: U.S. Department of Transportation, Federal Aviation Administration, Office of Airports, Airport Safety Data Branch.

Table 1-9: Rhode Island Commercial Service Airport Enplanements: 2000 (For airports with scheduled service and 2,500 or more passengers enplaned)

	Large certificated air	Commuter and small certificated	Air taxi commuter	Foreign air	Total
Airport	carriers	air carriers	operators	carriers	enplanements
Theodore Francis Green State Airport	2,554,277	129,658	269	0	2,684,204
Block Island State Airport	0	9,705	608	0	10,313
Westerly State Airport	0	10,122	30	0	10,152

NOTE: Rank order by total enplaned passengers on air carriers of all types, including foreign air carriers.

SOURCE: U.S. Department of Transportation, Federal Aviation Administration, Office of the Associate Administrator for Airports, *CY 2000 Enplanement Activity at U.S. Commercial Service Airports*, available at http://www.faa.gov/arp/Planning/v3.htm as of Mar. 26, 2002.

Table 1-10: Freight Railroads in Rhode Island and the United States: 2000

	N	umber	Miles operated ²				
	of ı	railroads			Rhode Islan	d	
Type of railroad	United States	Rhode Island	United States	Excluding trackage rights	Including trackage rights	Percent of U.S. total	
Total	562	1	172,101	102	102	<0.1	
Class I	8	0	120,597	0	0	0.0	
Regional	35	1	20,978	102	102	0.5	
Local	304	0	21,512	0	0	0.0	
Switching and terminal	213	0	7,425	0	0	0.0	
Canadian ¹	2	0	1,589	0	0	0.0	

¹ Refers to non-Class I, Canadian-owned lines.

NOTES:

- 1. As defined by the Surface Transportation Board in 2000, a Class I Railroad is a railroad with operating revenues of at least \$261.9 million.
- 2. A Regional Railroad is a non-Class I, line-haul railroad operating 350 or more miles of road or with revenues of at least \$40 million or both.
- 3. A Local Railroad is a railroad which is neither a Class I nor a Regional Railroad, and is engaged primarily in line-haul service.
- 4. A Switching and Terminal Railroad is a non-Class I Railroad engaged primarily in switching and/or terminal services for other railroads.

SOURCE: Association of American Railroads, *Railroads and States - 2000*, Washington, DC: 2002, available at http://www.aar.org/AboutTheIndustry/StateInformation.asp as of Mar. 19, 2002.

² Miles operated is in terms of railroad so that a mile of single track is counted the same as a mile of double track. Sidings, turnouts, yard switching mileage, and mileage not operated are excluded. Miles operated under trackage rights provided by another (owning) railroad are included.

Table 1-11: Freight Railroads Operating in Rhode Island by Class: 2000

	Miles operated in
Railroad	Rhode Island ¹
Class I railroads	0
Regional railroads	102
Providence and Worcester Railroad Co.	102
Local railroads	0
Switching and terminal railroads	0

¹Miles operated is in terms of railroad so that a mile of single track is counted the same as a mile of double track. Sidings, turnouts, yard switching mileage, and mileage not operated are excluded. Miles operated under trackage rights provided by another (owning) railroad are included.

NOTE: For definition of railroad types see previous table.

SOURCE: Association of American Railroads, *Railroads and States - 2000*, Washington, DC: 2002, available at http://www.aar.org/AboutTheIndustry/StateInformation.asp as of Mar. 19, 2002.

Table 1-12: Rhode Island Water Ports Ranked in Top 150 U.S. Ports by Tonnage: 2000

		Millions of short tons			
Port	U.S. rank	Total	Foreign	Domestic	
Providence	61	8.9	3.2	5.6	

SOURCE: U.S. Army Corps of Engineers, *Waterborne Commerce of the United States, Calendar Year 2000, Part 5 National Summaries,* Alexandria, VA: 2001, available at http://www.wrsc.usace.army.mil/ndc/wcusnatl00.pdf as of Apr. 15, 2002.

Table 1-13: Inland Waterway Mileage: 2000

(Includes 39 states and the District of Columbia)

State	Miles	State	Miles
Alabama	1,270	Mississippi	873
Alaska	5,497	Missouri	1,033
Arkansas	1,860	Nebraska	318
California	286	New Hampshire	8
Connecticut	117	New Jersey	360
Delaware	99	New York	394
District of Columbia	7	North Carolina	1,152
Florida	1,540	Ohio	444
Georgia	721	Oklahoma	150
Idaho	111	Oregon	681
Illinois	1,095	Pennsylvania	259
Indiana	353	Rhode Island	39
Iowa	492	South Carolina	482
Kansas	120	South Dakota	75
Kentucky	1,591	Tennessee	946
Louisiana	2,823	Texas	834
Maine	73	Virginia	674
Maryland	532	Washington	1,057
Massachusetts	90	West Virginia	682
Minnesota	258	Wisconsin	231

NOTES: Waterway mileages were determined by including the length of channels 1) with a controlling draft of nine feet or greater, 2) with commercial cargo traffic reported for 1998 and 1999, but 3) were not offshore (i.e., channels in coastal areas included only the miles from the entrance channel inward). Channels within major bays are included (e.g., Chesapeake Bay, San Francisco Bay, Puget Sound, Long Island Sound, major sounds and straits in southeastern Alaska). Channels in the Great Lakes are not included, but waterways connecting lakes and the St. Lawrence Seaway inside the United States are included.

SOURCE: U.S. Army Corps of Engineers, Navigation Data Center, National Waterway Network, January 2002.



Table 2-1: Highway Traffic Fatalities and Fatality Rates: 2000

					Fatality rate per		r
State	Traffic fatalities	Licensed drivers (thousands)	Registered vehicles (thousands)	Vehicle-miles traveled (millions)	100,000 licensed drivers	100,000 registered vehicles	100 million vehicle-miles traveled
Alabama	995	3,521	4,015	56,534	28.3	24.8	1.8
Alaska	103	465	611	4,613	22.2	16.9	2.2
Arizona	1,036	3,434	3,960	49,768	30.2	26.2	2.1
Arkansas	652	1,948	1,865	29,167	33.5	35.0	2.2
California	3,753	21,244	28,146	306,649	17.7	13.3	1.2
Colorado	681	3,107	3,724	41,771	21.9	18.3	1.6
Connecticut	342	2,653	2,907	30,756	12.9	11.8	1.1
Delaware	123	557	641	8,240	22.1	19.2	1.5
District of Columbia	49	348	244	3,498	14.1	20.1	1.4
Florida	2,999	12,853	12,036	152,136	23.3	24.9	2.0
Georgia	1,541	5,550	7,243	105,010	27.8	21.3	1.5
Hawaii	131	769	758	8,543	17.0	17.3	1.5
Idaho	276	884	1,220	13,534	31.2	22.6	2.0
Illinois	1,418	7,961	9,168	102,866	17.8	15.5	1.4
Indiana	875	3,976	5,689	70,862	22.0	15.4	1.2
	445				22.8	13.4	1.5
Iowa Kansas		1,953	3,233	29,433	22.0 24.2	19.7	1.6
	461	1,908	2,346	28,130	30.4		
Kentucky	820	2,694	2,870	46,803		28.6	1.8
Louisiana	937	2,759	3,605	40,849	34.0	26.0	2.3
Maine	169	920	1,053	14,190	18.4	16.1	1.2
Maryland	588	3,382	3,897	50,174	17.4	15.1	1.2
Massachusetts	433	4,490	5,372	52,796	9.6	8.1	0.8
Michigan	1,382	6,925	8,619	97,792	20.0	16.0	1.4
Minnesota	625	2,941	4,773	52,601	21.3	13.1	1.2
Mississippi	949	2,008	2,321	35,536	47.3	40.9	2.7
Missouri	1,157	3,856	4,641	67,083	30.0	24.9	1.7
Montana	237	679	1,053	9,882	34.9	22.5	2.4
Nebraska	276	1,195	1,640	18,081	23.1	16.8	1.5
Nevada	323	1,371	1,245	17,639	23.6	25.9	1.8
New Hampshire	126	930	1,100	12,021	13.6	11.5	1.0
New Jersey	731	5,655	6,502	67,446	12.9	11.2	1.1
New Mexico	430	1,239	1,557	22,760	34.7	27.6	1.9
New York	1,458	10,871	10,342	129,057	13.4	14.1	1.1
North Carolina	1,472	5,690	6,305	89,504	25.9	23.3	1.6
North Dakota	86	459	711	7,217	18.7	12.1	1.2
Ohio	1,351	8,206	10,722	105,898	16.5	12.6	1.3
Oklahoma	652	2,295	3,072	43,355	28.4	21.2	1.5
Oregon	451	2,495	3,091	35,010	18.1	14.6	1.3
Pennsylvania	1,520	8,229	9,476	102,337	18.5	16.0	1.5
Rhode Island	80	654	779	8,359	12.2	10.3	1.0
South Carolina	1,065	2,843	3,146	45.538	37.5	33.9	2.3
		·		- /			
South Dakota	173	544	822	8,432	31.8	21.0	2.1
Tennessee	1,306	4,251	4,891	65,732	30.7	26.7	2.0
Texas	3,769	13,462	14,257	220,064	28.0	26.4	1.7
Utah	373	1,463	1,656	22,597	25.5	22.5	1.7
Vermont	79	506	537	6,811	15.6	14.7	1.2
Virginia	930	4,837	6,107	74,801	19.2	15.2	1.2
Washington	632	4,155	5,235	53,330	15.2	12.1	1.2
West Virginia	410	1,347	1,468	19,242	30.4	27.9	2.1
Wisconsin	799	3,770	4,545	57,266	21.2	17.6	1.4
Wyoming	152	371	605	8,090	41.0	25.1	1.9
United States	41,821	190,625	217,028	2,749,803	21.9	19.3	1.5

SOURCES: U.S. Department of Transportation, National Highway Traffic Safety Administration, *Traffic Safety Facts 2000*, Washington, DC: 2001, available at http://www-nrd.nhtsa.dot.gov/pdf/nrd-30/NCSA/TSFAnn/TSF2000.pdf as of Jan. 4, 2002; U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2000*, Washington, DC: 2001, available at http://www.fhwa.dot.gov/ohim/ohimstat.htm as of Dec. 6, 2001.

Table 2-2: Passenger Car Occupants Killed and Restraint Use: 2000

	Restraii	nt used	No restra	int used	Restrai unkn		Total occ	
State	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	204	38.2	308	57.7	22	4.1	534	100.0
Alaska	11	39.3	17	60.7	0	0.0	28	100.0
Arizona	131	36.0	183	50.3	50	13.7	364	100.0
Arkansas	95	32.3	160	54.4	39	13.3	294	100.0
California	917	53.5	499	29.1	298	17.4	1,714	100.0
Colorado	129	47.1	142	51.8	3	1.1	274	100.0
Connecticut	69	38.1	90	49.7	22	12.2	181	100.0
Delaware	20	29.0	47	68.1	2	2.9	69	100.0
District of Columbia	4	22.2	7	38.9	7	38.9	18	100.0
Florida	523	37.7	836	60.3	27	1.9	1,386	100.0
Georgia	337	42.9	351	44.7	98	12.5	786	100.0
Hawaii	23	37.7	29	47.5	9	14.8	61	100.0
Idaho	42	35.9	69	59.0	6	5.1	117	100.0
Illinois	234	34.3	311	45.6	137	20.1	682	100.0
Indiana	203	43.0	222	47.0	47	10.0	472	100.0
lowa	107	41.6	98	38.1	52	20.2	257	100.0
Kansas	77	33.2	127	54.7	28	12.1	232	100.0
Kentucky	156	36.3	269	62.6	5	1.2	430	100.0
Louisiana	127	30.1	232	55.0	63	14.9	422	100.0
Maine	37	36.6	58	57.4	6	5.9	101	100.0
Maryland	167	55.3	117	38.7	18	6.0	302	100.0
Massachusetts	63	25.9	128	52.7	52	21.4	243	100.0
Michigan	364	51.3	260	36.6	86	12.1	710	100.0
Minnesota	129	37.5	174	50.6	41	11.9	344	100.0
Mississippi	144	28.3	354	69.5	11	2.2	509	100.0
Missouri	198	33.4	326	55.0	69	11.6	593	100.0
Montana	38	37.3	56	54.9	8	7.8	102	100.0
Nebraska	35	27.1	76	58.9	18	14.0	129	100.0
Nevada	52	38.2	81	59.6	3	2.2	136	100.0
New Hampshire	13	21.0	43	69.4	6	9.7	62	100.0
New Jersey	161	42.4	197	51.8	22	5.8	380	100.0
New Mexico	72	41.9	90	52.3	10	5.8	172	100.0
New York	360	50.8	290	40.9	59	8.3	709	100.0
North Carolina	369	45.0	354	43.2	97	11.8	820	100.0
North Dakota	8	19.0	33	78.6	1	2.4	42	100.0
Ohio	319	41.5	396	51.6	53	6.9	768	100.0
Oklahoma	128	40.4	187	59.0	2	0.6	317	100.0
Oregon	147	67.1	60	27.4	12	5.5	219	100.0
Pennsylvania	265	31.7	443	53.1	127	15.2	835	100.0
Rhode Island	8	18.6	33	76.7	2	4.7	43	100.0
South Carolina	158	38.3	246	59.7	8	1.9	412	100.0
South Dakota	11	15.3	58	80.6	3	4.2	72	100.0
Tennessee	207	28.6	479	66.1	39	5.4	725	100.0
Texas	914	54.7	723	43.2	35	2.1	1,672	100.0
Utah	66	39.3	97	57.7	5	3.0	168	100.0
Vermont	23	57.5	15	37.5	2	5.0	40	100.0
Virginia	199	40.4	264	53.7	29	5.9	492	100.0
Washington	153	44.5	185	53.8	6	1.7	344	100.0
West Virginia	71	31.1	151	66.2	6	2.6	228	100.0
Wisconsin	161	37.3	231	53.5	40	2.6 9.3	432	100.0
Wyoming	23	37.3 46.0	231 27	53.5 54.0	0	0.0	432 50	100.0
	8,472	41.3	10,229	49.9	1,791	8.7	20,492	100.0
United States	0,412	41.3	10,229	49.9	1,191	0.1	20,492	100.0

NOTE: Fatalities in this table include passenger car occupants only. Occupants of other vehicle types - light trucks, heavy trucks, motorcycles, and buses - are excluded as are other types of highway related fatalities such as pedestrian fatalities. Hence, the fatalities represented here are lower then those in table 2-1. Percents may not add to totals due to rounding.

SOURCE: U.S. Department of Transportation, National Highway Traffic Safety Administration, *Traffic Safety Facts* 2000, Washington, DC: 2001, available at http://www-nrd.nhtsa.dot.gov/pdf/nrd-30/NCSA/TSFAnn/ TSF2000.pdf as of Jan. 4, 2002.

Table 2-3: Key Provisions of Safety Belt Use Laws: 2000

State	Effective ¹	Enforcement ²	Fine	Seats	Vehicles exempted ³
Alabama	7/18/1992	Primary	\$25	Front	Designed for more than 10 passengers
Alaska	9/12/1990	Secondary	\$15	All	School bus
Arizona	1/1/1991	Secondary	\$10	Front	Designed for more than 10 passengers; model year before 1972
Arkansas	7/15/1991	Secondary	\$25 4	Front	School bus, church bus, public bus
California	1/1/1986	Primary	\$20 5	All	None
Colorado	7/1/1987	Secondary	\$15	Front	Passenger bus, school bus
Connecticut	1/1/1986	Primary	\$15	Front	Truck or bus over 15,000 lbs.
Delaware	1/1/1992	Secondary	\$20	Front	None
District of Columbia	12/12/1985	Primary	\$50 ⁶	All	Seating more than 8 people
Florida	7/1/1986	Secondary	\$30	Front	School bus, public bus, truck over 5,000 lbs.
Georgia	9/1/1988	Primary	\$15	Front	Designed for more than 10 passengers, pickup
Hawaii	2/16/1985	Primary	\$45	Front	Bus or school bus over 10,000 lbs.
Idaho	7/1/1986	Secondary	\$5	Front	Over 8,000 lbs.
Illinois	7/1/1985	Secondary	\$25	Front	None
Indiana	7/1/1987	Primary	\$25	Front	Truck, tractor, RV
Iowa	7/1/1986	Primary	\$10	Front	None
Kansas	7/1/1986	Secondary	\$10	Front	Designed for more than 10 people, truck over 12,000 lbs.
Kentucky	7/13/1994	Secondary	\$25	All	Designed for more than 10 people
Louisiana	7/1/1986	Primary	\$25 ⁷	Front	Manufactured before 1/1/81
Maine	12/27/1995	Secondary	\$50	All	None
Maryland	7/1/1986	Primary	\$25	Front	Historic vehicle
Massachusetts	2/1/1994	Secondary	\$25	All	Truck over 18,000 lbs., bus, taxi
Michigan	7/1/1985	Primary	\$25	Front	Bus
Minnesota	8/1/1986	Secondary	\$25	Front	Farm pickup truck
Mississippi	3/20/1990	Secondary	\$25	Front	Farm vehicle, bus
Missouri	9/28/1985	Secondary	\$10	Front	Designed for more than 10 people, truck over 12,000 lbs.
Montana	10/1/1987	Secondary	\$20	All	None
Nebraska	1/1/1993	Secondary	\$25	Front	Manufactured before 1973
Nevada	7/1/1987	Secondary	\$25	All	Taxi, bus, school bus
New Hampshire	None	NA	NA	NA	NA
New Jersey	3/1/1985	Secondary	\$20	Front	None
New Mexico	1/1/1986	Primary	\$25	Front	Vehicle over 10,000 lbs.
New York	12/1/1984	Primary	\$50	Front	Bus, school bus, taxi
North Carolina	10/1/1985	Primary	\$25	Front	Designed for more than 10 people
North Dakota	7/14/1994	Secondary	\$20	Front	Designed for more than 10 people
Ohio	5/6/1986	Secondary	\$25	Front	None
Oklahoma	2/1/1987	Primary	\$20	Front	Farm vehicle, truck, truck tractor, RV
Oregon	12/7/1990	Primary	\$75	All	None
Pennsylvania	11/23/1987	Secondary	\$10	Front	Truck over 7,000 lbs.
Rhode Island	6/18/1991	Secondary	\$50	All	None
South Carolina	7/1/1989	Secondary	\$10	All	School bus, public bus
South Dakota	1/1/1995	Secondary	\$20	Front	Bus, school bus
Tennessee	4/21/1986	Secondary	\$50	Front	Vehicle over 8,500 lbs.
Texas	9/1/1985	Primary	\$50	Front	Designed for more than 10 people, truck over 15,000 lbs.
Utah	4/28/1986	Secondary	\$45	Front	Vehicle over 10,000 lbs., school/public bus, taxi
Vermont	1/1/1994	Secondary	\$10	All	Bus, taxi
Virginia	1/1/1988	Secondary	\$25	Front	Designed for more than 10 people, taxi
Washington	6/11/1986	Secondary	\$35	All	Designed for more than 10 people
West Virginia	9/1/1993	Secondary	\$25	Front	Designed for more than 10 people
Wisconsin	12/1/1987	Secondary	\$10	All	Taxi, farm truck
Wyoming	6/8/1989	Secondary	\$25	Front	Designed for more than 10 people, bus

¹ Effective date of first belt law in the state; ² Primary enforcement enables police officers to stop vehicles and write citations whenever they observe a violation of the seat belt law. Secondary enforcement allows police officers to write a citation for seat belt infractions only after stopping a vehicle for some other traffic infraction; ³ Most states exempt vehicles not manufactured with seat belts; ⁴ Plus 3 points on license; ⁵ Fine for first offense; ⁶ Plus 2 points on license; ⁷ Penalty could include 30 days in jail.

KEY: NA = not applicable; RV = recreational vehicle.

SOURCE: U.S. Department of Transportation, National Highway Traffic Safety Administration, *Traffic Safety Facts 2000*, Washington, DC: 2001, available at http://www-nrd.nhtsa.dot.gov/pdf/nrd-30/NCSA/TSFAnn/TSF2000.pdf as of Jan. 4, 2002.

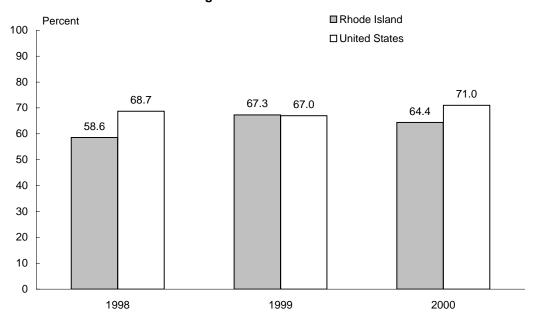
Table 2-4: Shoulder Belt Use: 2000

State	Percent
Alabama	70.6
Alaska	61.0
Arizona	75.2
Arkansas	52.4
California	88.9
Colorado	65.1
Connecticut	76.3
Delaware	66.1
District of Columbia	82.6
Florida	64.8
Georgia	73.6
Hawaii	80.4
Idaho	58.6
Illinois	70.2
Indiana	62.1
Iowa	78.0
Kansas	61.6
Kentucky	60.0
Louisiana	68.2
Maine	N
Maryland	85.0
Massachusetts	50.0
Michigan	83.5
Minnesota	73.4
Mississippi	50.4
Missouri	67.7

State	Percent
Montana	75.6
Nebraska	70.5
Nevada	78.5
New Hampshire	N
New Jersey	74.2
New Mexico	86.6
New York	77.3
North Carolina	80.5
North Dakota	47.7
Ohio	65.3
Oklahoma	67.5
Oregon	83.6
Pennsylvania	70.7
Rhode Island	64.4
South Carolina	73.9
South Dakota	53.4
Tennessee	59.0
Texas	76.6
Utah	75.7
Vermont	61.6
Virginia	69.6
Washington	81.6
West Virginia	49.5
Wisconsin	65.4
Wyoming	66.8

KEY: N = data do not exist.

Figure 2-1: Shoulder Belt Use



SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, National Highway Traffic Safety Administration, *1998-2000 State Shoulder Belt Use Survey Results*, Research Note, Washington, DC: May 2001, available at http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/availinf.html as of Mar. 20, 2002.

Table 2-5: Pedestrian Fatalities Involving Motor Vehicles: 2000

			Pedestrian		
			fatalities as		Pedestrian fatality
	Total traffic	Pedestrians	percent of	State population	rate per 100,000
State	fatalities	killed	total	(thousands)	population
Alabama	995	61	6.1	4,451	1.4
Alaska	103	8	7.8	653	1.2
Arizona	1,036	130	12.5	4,798	2.7
Arkansas	652	38	5.8	2,631	1.4
California	3,753	670	17.9	32,521	2.1
Colorado	681	80	11.7	4,168	1.9
Connecticut	342	49	14.3	3,284	1.5
Delaware	123	22	17.9	768	2.9
District of Columbia	49	18	36.7	523	3.4
Florida	2,999	492	16.4	15,233	3.2
Georgia	1,541	137	8.9	7,875	1.7
Hawaii	131	29	22.1	1,257	2.3
Idaho	276	6	2.2	1,347	0.4
Illinois	1,418	187	13.2	12,051	1.6
Indiana	875	51	5.8	6,045	0.8
lowa	445	25	5.6	2,900	0.8
Kansas	461	19	4.1	2,668	0.9
Kentucky	820	53	6.5	3,995	1.3
Louisiana	937	100	10.7	4,425	2.3
Maine	169	15	8.9	·	2.3 1.2
		91	6.9 15.5	1,259	1.7
Maryland	588			5,275	
Massachusetts	433	82	18.9	6,199	1.3
Michigan	1,382	170	12.3	9,679	1.8
Minnesota	625	38	6.1	4,830	0.8
Mississippi	949	64	6.7	2,816	2.3
Missouri	1,157	88	7.6	5,540	1.6
Montana	237	11	4.6	950	1.2
Nebraska	276	20	7.2	1,705	1.2
Nevada	323	43	13.3	1,871	2.3
New Hampshire	126	7	5.6	1,224	0.6
New Jersey	731	145	19.8	8,178	1.8
New Mexico	430	47	10.9	1,860	2.5
New York	1,458	335	23.0	18,146	1.8
North Carolina	1,472	144	9.8	7,777	1.9
North Dakota	86	5	5.8	662	0.8
Ohio	1,351	96	7.1	11,319	0.8
Oklahoma	652	43	6.6	3,373	1.3
Oregon	451	50	11.1	3,397	1.5
Pennsylvania	1,520	170	11.2	12,202	1.4
Rhode Island	80	6	7.5	998	0.6
South Carolina	1,065	84	7.9	3,858	2.2
South Dakota	173	13	7.5	777	1.7
Tennessee	1,306	99	7.6	5,657	1.7
Texas	3,769	412	10.9	20,119	2.0
Utah	373	33	8.8	2,207	1.5
Vermont	79	7	8.9	617	1.1
Virginia	930	92	9.9	6,997	1.3
Washington	632	66	10.4	5,858	1.1
West Virginia	410	25	6.1	1,841	1.4
Wisconsin	799	51	6.4	5,326	1.0
Wyoming	152	12	7.9	525	2.3
United States	41,821	4,739	11.3	274,634	1.7

SOURCE: U.S. Department of Transportation, National Highway Traffic Safety Administration, National Center for Statistics and Analysis, *Traffic Safety Facts 2000: Pedestrians,* Washington, DC: 2001, available at http://www.nhtsa.dot.gov/people/ncsa/factshet.html as of Dec. 5, 2001.

Table 2-6: Motor Vehicle Fatalities Involving High Blood Alcohol Concentration (BAC \geq 0.10 grams per deciliter)

		1995	2000					
State	Total fatalities	Fatalities involving high blood alcohol	Percent	Total fatalities	Fatalities involving high blood alcohol	Percent		
Alabama	1,113	381	34	995	326	33		
Alaska	87	37	42	103	44	43		
Arizona	1,031	347	34	1,036	354	34		
Arkansas	631	148	23	652	139	21		
California	4,192	1,308	31	3,753	1,061	28		
Colorado	645	226	35	681	198	29		
Connecticut	317	130	41	342	119	35		
Delaware	121	38	31	123	49	40		
District of Columbia	58	25	44	49	14	29		
Florida	2,805	873	31	2,999	930	31		
Georgia	1,488	400	27	1,541	438	28		
Hawaii	130	41	32	131	37	28		
Idaho	262	69	27	276	81	29		
		551	35	_		34		
Illinois	1,586		35 27	1,418 875	489 214	34 24		
Indiana	960	263						
lowa	527	159	30	445	100	22		
Kansas	442	152	34	461	118	26		
Kentucky	849	227	27	820	203	25		
Louisiana	883	353	40	937	352	38		
Maine	187	44	24	169	38	22		
Maryland	671	176	26	588	161	27		
Massachusetts	444	148	33	433	153	35		
Michigan	1,530	483	32	1,382	397	29		
Minnesota	597	215	36	625	207	33		
Mississippi	868	306	35	949	289	30		
Missouri	1,109	450	41	1,157	387	33		
Montana	215	79	37	237	92	39		
Nebraska	254	64	25	276	70	25		
Nevada	313	127	41	323	112	35		
New Hampshire	118	30	25	126	40	31		
New Jersey	773	243	32	731	231	32		
New Mexico	485	202	42	430	159	37		
New York	1,674	405	24	1,458	293	20		
North Carolina	1,448	399	28	1,472	419	28		
North Dakota	74	32	44	86	36	42		
Ohio	1,366	344	25	1,351	411	30		
Oklahoma	669	205	31	652	169	26		
Oregon	572	176	31	451	132	29		
Pennsylvania	1.480	485	33	1,520	511	34		
Rhode Island	69	22	32	80	31	38		
South Carolina	881 159	229	26 40	1,065	329	31		
South Dakota	158	63	40	173	66	38		
Tennessee	1,259	420	33	1,306	399	31		
Texas	3,181	1,407	44	3,769	1,450	38		
Utah	326	69	21	373	68	18		
Vermont	106	33	31	79	27	34		
Virginia	900	272	30	930	257	28		
Washington	653	248	38	632	217	34		
West Virginia	376	132	35	410	149	36		
Wisconsin	745	263	35	799	288	36		
Wyoming	170	63	37	152	40	26		
United States	41,798	13,564	32	41,821	12,892	31		

SOURCE: U.S. Department of Transportation, National Highway Traffic Safety Administration, National Center for Statistics and Analysis, *Traffic Safety Facts 2000: State Alcohol Estimates*, Washington, DC: 2001, available at http://www.nhtsa.dot.gov/people/ncsa/factshet.html as of Dec. 5, 2001.

Table 2-7: Impaired Driving Laws: 2000

State Alabama Alaska Arizona Arkansas California Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana Maine	Administrative per se (BAC level) Y-0.08 Y-0.10 Y-0.10 Y-0.10 Y-0.08 Y-0.10 Y-0.10 Y-0.10 Y-0.10 Y-0.10 Y-0.05 Y-0.08 Y-0.10 Y-0.08 Y-0.10 Y-0.08 Y-0.10 Y-0.08 Y-0.08 Y-0.08 Y-0.08 Y-0.08 Y-0.08 A	Illegal per se (BAC level)	DWI offenders (BAC level and age) Y-0.02 (<21) Y-0.00 (<21) Y-0.00 (<21) Y-0.02 (<21) Y-0.01 (<21) Y-0.02 (<21)		Ry minimum for a I Second offense R-1 yr R-1 yr R-1 yr Nms Nms R-1 yr Nms R-6 mos R-1 yr R-12 mos S-120 days	Third offense R-3 yrs R-10 yrs R-3 yrs Nms R-18 mos R-1 yr Nms R-6 mos R-2 yrs R-24 mos R-5 yrs R-1 yr
Alabama Alaska Arizona Arkansas California Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.08 Y-0.10 Y-0.10 Y-0.10 Y-0.10 Y-0.08 Y-0.10 Y-0.10 Y-0.05 Y-0.08 Y-0.10 Y-0.08 Y-0.10 Y-0.08 Y-0.08 Y-0.08 Y-0.08 Y-0.08 Y-0.08 Y-0.08 Y-0.08 Y-0.08	0.08 0.10 0.10 0.10 0.08 0.10 0.10 0.10 0.08 0.08 0.10 0.08 0.08 0.08	Y-0.02 (<21) Y-0.00 (<21) Y-0.00 (<21) Y-0.00 (<21) Y-0.02 (<21)	S-90 days R-30 days S-90 days Nms Nms Nms Nms Nms Nms Nms R-6 mos Nms Nms S-30 days	R-1 yr R-1 yr R-1 yr Nms Nms R-1 yr Nms R-6 mos R-1 yr R-12 mos S-120 days S-1 yr	R-3 yrs R-10 yrs R-3 yrs Nms R-18 mos R-1 yr Nms R-6 mos R-2 yrs R-24 mos R-5 yrs
Alaska Arizona Arkansas California Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.10 Y-0.10 Y-0.10 Y-0.08 Y-0.10 Y-0.10 Y-0.10 Y-0.05 Y-0.08 Y-0.10 Y-0.08 Y-0.08 Y-0.08 Y-0.10 Y-0.08	0.10 0.10 0.10 0.08 0.10 0.10 0.10 0.08 0.08 0.10 0.08 0.08 0.08	Y-0.00 (<21) Y-0.00 (<21) Y-0.00 (<21) Y-0.02 (<21) Y-0.01 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.00 (<21) Y-0.02 (<21)	R-30 days S-90 days Nms Nms Nms Nms R-6 mos Nms Nms Nms S-30 days	R-1 yr R-1 yr Nms Nms R-1 yr Nms R-6 mos R-1 yr R-12 mos S-120 days S-1 yr	R-10 yrs R-3 yrs Nms R-18 mos R-1 yr Nms R-6 mos R-2 yrs R-24 mos R-5 yrs
Arizona Arkansas California Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.10 Y-0.10 Y-0.08 Y-0.10 Y-0.10 Y-0.10 Y-0.05 Y-0.08 Y-0.10 Y-0.08 Y-0.08 Y-0.10 Y-0.08	0.10 0.10 0.08 0.10 0.10 0.10 0.08 0.08 0.10 0.08 0.08 0.08 0.08	Y-0.00 (<21) Y-0.02 (<21) Y-0.01 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.00 (<21) Y-0.00 (<21) Y-0.02 (<21)	S-90 days Nms Nms Nms Nms Nms R-6 mos Nms Nms Nms S-30 days	R-1 yr Nms Nms R-1 yr Nms R-6 mos R-1 yr R-12 mos S-120 days S-1 yr	R-3 yrs Nms R-18 mos R-1 yr Nms R-6 mos R-2 yrs R-24 mos R-5 yrs
Arkansas California Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.10 Y-0.08 Y-0.10 Y-0.10 Y-0.10 Y-0.05 Y-0.08 Y-0.10 Y-0.08 Y-0.08 Y-0.10 Y-0.08	0.10 0.08 0.10 0.10 0.10 0.08 0.08 0.10 0.08 0.08 0.08 0.08	Y-0.02 (<21) Y-0.01 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.00 (<21) Y-0.00 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21)	Nms Nms Nms Nms Nms R-6 mos Nms Nms S-30 days	Nms Nms R-1 yr Nms R-6 mos R-1 yr R-12 mos S-120 days S-1 yr	Nms R-18 mos R-1 yr Nms R-6 mos R-2 yrs R-24 mos R-5 yrs
California Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.08 Y-0.10 Y-0.10 Y-0.10 Y-0.05 Y-0.08 Y-0.10 Y-0.08 Y-0.08 Y-0.10 Y-0.10 Y-0.10	0.08 0.10 0.10 0.10 0.08 0.08 0.10 0.08 0.08	Y-0.01 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.00 (<21) Y-0.00 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21)	Nms Nms Nms Nms R-6 mos Nms Nms S-30 days	Nms R-1 yr Nms R-6 mos R-1 yr R-12 mos S-120 days S-1 yr	R-18 mos R-1 yr Nms R-6 mos R-2 yrs R-24 mos R-5 yrs
Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.10 Y-0.10 Y-0.10 Y-0.05 Y-0.08 Y-0.10 Y-0.08 Y-0.08 Y-0.10 Y-0.10 Y-0.10	0.10 0.10 0.10 0.08 0.08 0.10 0.08 0.08	Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.00 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21)	Nms Nms Nms R-6 mos Nms Nms S-30 days	R-1 yr Nms R-6 mos R-1 yr R-12 mos S-120 days S-1 yr	R-1 yr Nms R-6 mos R-2 yrs R-24 mos R-5 yrs
Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.10 Y-0.10 Y-0.05 Y-0.08 Y-0.10 Y-0.08 Y-0.08 Y-0.08 Y-0.10 Y-0.10 Y-0.10	0.10 0.10 0.08 0.08 0.10 0.08 0.08 0.08	Y-0.02 (<21) Y-0.02 (<21) Y-0.00 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21)	Nms Nms R-6 mos Nms Nms S-30 days	Nms R-6 mos R-1 yr R-12 mos S-120 days S-1 yr	Nms R-6 mos R-2 yrs R-24 mos R-5 yrs
Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.10 Y-0.05 Y-0.08 Y-0.10 Y-0.08 Y-0.08 Y-0.08 Y-0.10 Y-0.10 Y-0.10	0.10 0.08 0.08 0.10 0.08 0.08 0.08	Y-0.02 (<21) Y-0.00 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21)	Nms R-6 mos Nms Nms S-30 days	R-6 mos R-1 yr R-12 mos S-120 days S-1 yr	R-6 mos R-2 yrs R-24 mos R-5 yrs
District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.05 Y-0.08 Y-0.10 Y-0.08 Y-0.08 Y-0.08 Y-0.10 Y-0.10 Y-0.10	0.08 0.08 0.10 0.08 0.08 0.08	Y-0.00 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21)	R-6 mos Nms Nms S-30 days	R-1 yr R-12 mos S-120 days S-1 yr	R-2 yrs R-24 mos R-5 yrs
Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.08 Y-0.10 Y-0.08 Y-0.08 Y-0.08 Y-0.10 Y-0.10 Y-0.08	0.08 0.10 0.08 0.08 0.08 0.10	Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21)	Nms Nms S-30 days	R-12 mos S-120 days S-1 yr	R-24 mos R-5 yrs
Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.10 Y-0.08 Y-0.08 Y-0.08 Y-0.10 Y-0.10 Y-0.08	0.10 0.08 0.08 0.08 0.10	Y-0.02 (<21) Y-0.02 (<21) Y-0.02 (<21)	Nms S-30 days	S-120 days S-1 yr	R-5 yrs
Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.08 Y-0.08 Y-0.08 Y-0.10 Y-0.10 Y-0.08	0.08 0.08 0.08 0.10	Y-0.02 (<21) Y-0.02 (<21)	S-30 days	S-1 yr	-
Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.08 Y-0.08 Y-0.10 Y-0.10 Y-0.08	0.08 0.08 0.10	Y-0.02 (<21)	,	•	R-1 yr
Illinois Indiana Iowa Kansas Kentucky Louisiana	Y-0.08 Y-0.10 Y-0.10 Y-0.08	0.08 0.10	` '	S-30 days	C 4	
Indiana Iowa Kansas Kentucky Louisiana	Y-0.10 Y-0.10 Y-0.08	0.10	Y-0.02 (<21)		S-1 yr	S-1 yr
lowa Kansas Kentucky Louisiana	Y-0.10 Y-0.08			Nms	Nms	Nms
Kansas Kentucky Louisiana	Y-0.08	0.10	Y-0.02 (<21)	S-30 days	S-1 yr	S-1 yr
Kentucky Louisiana		0.10	Y-0.02 (<21)	R-30 days	R-1 yr	R-1 yr
Louisiana	Α	0.08	Y-0.02 (<21)	S-30 days	S-1 yr	S-1 yr
		0.08	Y-0.02 (<21)	S-30 days	R-12 mos	R-24 mos
Maine	Y-0.10	0.10	Y-0.02 (<21)	Nms	Nms	Nms
	Y-0.08	0.08	Y-0.00 (<21)	S-60 days	S-18 mos	S-4 yrs
Maryland	Y-0.10	0.10	Y-0.02 (<21)	Nms	Nms	Nms
Massachusetts	Y-0.08	N	Y-0.02 (<21)	S-45 days	R-6 mos	R-2 yrs
Michigan	N	0.10	Y-0.02 (<21)	Nms	R-1 yr	S-5 yrs
Minnesota	Y-0.10	0.10	Y-0.00 (<21)	R-15 days	R-90 days	R-90 days
Mississippi	Y-0.10	0.10	Y-0.02 (<21)	S-30 days	S-1 yr	S-3 yrs
Missouri	Y-0.10	0.10	Y-0.02 (<21)	S-30 days	R-2 yrs	R-3 yrs
Montana	N	0.10	Y-0.02 (<21)	Nms	R-3 mos	R-3 mos
Nebraska	Y-0.10	0.10	Y-0.02 (<21)	R-60 days	R-1 yr	R-1 yr
Nevada	Y-0.10	0.10	Y-0.02 (<21)	R-45 days	R-1 yr	R-1.5 yrs
New Hampshire	Y-0.08	0.08	Y-0.02 (<21)	R-90 days	R-3 yrs	R-3 yrs
New Jersey	N	0.10	Y-0.01 (<21)	R-6 mos	R-2 yrs	R-10 yrs
New Mexico	Y-0.08	0.08	Y-0.02 (<21)	Nms	R-30 days	R-30 days
New York	A	0.10	Y-0.02 (<21)	Nms	R-I yr	R-1 yr
North Carolina	Y-0.08	0.08	Y-0.00 (<21)	Nms	R-2 yrs	R-3 yrs
North Dakota	Y-0.10	0.10	Y-0.02 (<21)	S-30 days	S-365 days	S-2 yrs
Ohio	Y-0.10	0.10	Y-0.02 (<21)	S-15 days	S-30 days	S-180 days
Oklahoma	Y-0.10	0.10	Y-0.00 (<21)	Nms	R-1 yr	R-1 yr
Oregon	Y-0.08	0.08	Y-0.00 (<21)	Nms	S-90 days	S-1 yr
Pennsylvania	N	0.10	Y-0.02 (<21)	S-1 mo	S-12 mos	S-12 mos
Rhode Island	N	0.08	Y-0.02 (<21)	S-3 mos	S-1 yr	S-2 yrs
South Carolina	Y-0.15	0.10	Y-0.02 (<21)	Nms	S-1 yr	S-4 yrs
South Dakota	N	0.10	Y-0.02 (<21)	Nms	R-1 yr	R-1 yr
Tennessee	N	0.10	Y-0.02 (<21)	Nms	R-2 yrs	R-3 yrs
Texas	Y-0.08	0.10	Y-0.00 (<21)	Nms	Nms	Nms
Utah	Y-0.08	0.08	Y-0.00 (<21)	S-90 days	R-1 yrs	R-1 yrs
Vermont	Y-0.08	0.08	Y-0.00 (<21) Y-0.02 (<21)	S-90 days	S-18 mos	R-1 yrs
Virginia	Y-0.08	0.08	Y-0.02 (<21)	Nms	R-1 yr	R-2 yrs
Washington	Y-0.08	0.08	Y-0.02 (<21) Y-0.02 (<21)	S-30 days	R-1 yr	R-2 yrs
West Virginia	Y-0.10	0.08	Y-0.02 (<21) Y-0.02 (<21)	R-30 days	•	•
Wisconsin	Y-0.10 Y-0.10	0.10	' '	Nms	R-1 yr	R-1 yr R-90 days
Wyoming	Y-0.10 Y-0.10	0.10	Y-0.02 (<21) Y-0.02 (<21)	Nms Nms	R-60 days S-1 yr	R-90 days R-3 yrs

KEY: BAC = blood alcohol concentration; DWI = driving while intoxicated; Y = yes; N = no; A = alternative; S = suspension; revocation; Nms = no mandatory sanction.

R =

NOTES: An "administrative per se law" allows a state's driver licensing agency to either suspend or revoke a driver's license based on a specific alcohol (or drug) concentration or on some other criterion related to alcohol or drug use and driving. Such action is independent of any licensing action related to a DWI criminal offense. The term "illegal per se" refers to state laws that make it a criminal offense to operate a motor vehicle at or above a specified alcohol (or drug) concentration in the blood, breath, or urine. In those columns showing mandatory sanctions, "nms" does not mean that a state does not have a sanction. It only means that the state does not have a mandatory sanction for that offense or violation.

SOURCE: U.S. Department of Transportation, National Highway Traffic Safety Administration, *Traffic Safety Facts 2000*, Washington, DC: 2001, available at http://www-nrd.nhtsa.dot.gov/pdf/nrd-30/NCSA/TSFAnn/TSF2000.pdf as of Jan. 4, 2002.

Table 2-8: Maximum Posted Speed Limits by System: 2001 (Speed limit in miles per hour)

	Interst	ate	Other limited-access	
State	Rural	Urban	roads ²	Other roads
Alabama	70	70	65	65
Alaska	65	55	65	55
Arizona	75	55	55	55
Arkansas	70, Trucks: 65	55	60	55
California	70, Trucks: 55	65	70	55
Colorado	75	65	65	55
Connecticut	65	55	65	55
Delaware	65	55	65	55
District of Columbia	NA	55	NA	25
Florida	70	65	70	65
Georgia	70	65	65	65
Hawaii	55	50	45	45
daho	75, Trucks: 65	65	65	65
llinois	65, Trucks: 55	55	65	55
ndiana	65, Trucks: 60	55 55	55 55	55 55
nuiana owa	65	55 55	65	55 55
owa Kansas	70	70	70	65
Kansas Kentucky	65	70 55	55	55
tentucky ₋ouisiana	70	55 55	70	65
Maine	65	55 05	55	55
Maryland	65	65 65	65	55
Massachusetts	65	65	65	55
Michigan	70, Trucks: 55	65	70	55
Minnesota	70	65	65	55
Mississippi	70	70	70	65
Missouri	70	60	70	65
Montana	75, Trucks: 65	65	Day: 70, Night: 65	Day: 70, Night: 65
Nebraska	75	65	65	60
Nevada	75	65	70	70
New Hampshire	65	65	55	55
New Jersey	65	55	65	55
New Mexico	75	55	65	55
New York	65	65	65	55
North Carolina	70	65	65	55
North Dakota	70	55	65	Day: 65, Night: 55
Ohio	65, Trucks: 55	65	55	55
Oklahoma	75	70	70	70
Oregon	65, Trucks: 55	55	55	55
Pennsylvania	65	55	65	55
Rhode Island	65	55	55	55
South Carolina	70	70	60	55
South Dakota	75	65	65	65
Tennessee	70	70	70	55
Texas	70	70 70	70	70
Jtah	75	65	55	55
/ermont	65	55	50	50
√irginia	65	55 55	65	55
Virginia Washington	70, Trucks: 60	60	55	55 55
•		55	65	55 55
Nest Virginia	70 65	55 65	65	55 55
Wisconsin Wyoming	65 75	60	65	55 65

¹ Many roads, particularly urban interstates, often have a lower posted speed limit than the maximum allowable shown in this table.

KEY: NA = not applicable.

NOTE: Interstates are divided into urban and rural sections based primarily on population size and population density.

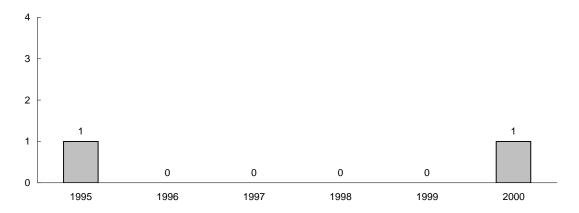
SOURCE: Insurance Institute for Highway Safety, Highway Loss Data Institute, available at http://www.hwysafety.org/safety_facts/state_laws/speed_limit_laws.htm as of Oct. 1, 2001.

² Limited-access roads are multilaned roads with restricted access using exit and entrance ramps rather than intersections.

Table 2-9: Total Rail Accidents/Incidents: 2000

	Accidents/				Accidents/		
State	Incidents	Fatalities	Injuries	State	Incidents	Fatalities	Injuries
Alabama	257	20	143	Montana	156	4	108
Alaska	89	2	82	Nevada	40	1	25
Arizona	222	27	147	New Hampshire	18	0	15
Arkansas	371	30	225	New Jersey	528	28	432
California	1,133	101	808	Nebraska	362	8	247
Colorado	199	10	112	New Mexico	138	4	106
Connecticut	203	6	159	New York	1,330	32	1,168
Delaware	59	2	47	North Carolina	243	24	121
District of Columbia	107	0	90	North Dakota	122	9	82
Florida	405	45	303	Ohio	575	28	339
Georgia	395	23	231	Oklahoma	231	22	124
Hawaii	0	0	0	Oregon	214	9	152
Idaho	109	11	53	Pennsylvania	752	23	583
Illinois	1,484	69	1,109	Rhode Island	21	1	19
Indiana	540	36	317	South Carolina	192	20	141
Iowa	367	9	211	South Dakota	64	3	43
Kansas	337	21	226	Tennessee	296	15	163
Kentucky	272	14	170	Texas	1,260	90	777
Louisiana	465	16	310	Utah	129	5	88
Maine	79	2	58	Vermont	29	1	22
Maryland	173	9	103	Virginia	252	13	169
Massachusetts	228	17	183	Washington	317	16	230
Michigan	434	23	300	West Virginia	128	9	93
Minnesota	431	11	303	Wisconsin	390	20	258
Mississippi	250	17	120	Wyoming	156	2	107
Missouri	367	29	221	United States	16,919	937	11,643

Figure 2-2: Rhode Island Train Accidents (Excludes highway-grade crossing incidents and other incidents)



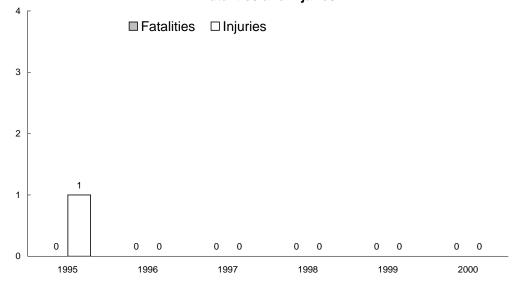
NOTE FOR DATA ON THIS PAGE: "Accidents/incidents" includes all events reportable to the U.S. Department of Transportation, Federal Railroad Administration under applicable regulations. These include: train accidents, reported on Form F 6180.54, comprised of collisions, derailments, and other events involving the operation of on-track equipment and causing reportable damage above an established threshold (\$6,600 in 1998); highway-rail grade crossing incidents, reported on Form F 6180.57, involving impact between railroad on-track equipment and highway users at crossings; and other incidents, reported on Form F 6180.55a, involving all other reportable incidents or exposures that cause a fatality or injury to any person, or an occupational illness to a railroad employee.

SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, Federal Railroad Administration, *Railroad Safety Statistics Annual Report 2000*, Washington, DC: 2001, table 2-11, available at http://safetydata.fra.dot.gov/officeofsafety/ as of Oct. 22, 2001.

Table 2-10: Highway-Rail Grade Crossing Incidents: 2000

State	Number of grade crossings	Incidents	Fatalities	Injuries	State	Number of grade crossings	Incidents	Fatalities	Injuries
Alabama	5,418	95	10	39	Montana	3,514	24	1	2
Alaska	336	7	0	0	Nebraska	6,575	55	7	14
Arizona	1.628	29	8	13	Nevada	571	2	0	0
Arkansas	4,655	115	27	36	New Hampshire	637	3	0	0
California	12,775	174	27	54	New Jersey	2,493	36	5	10
Colorado	3,271	36	6	8	New Mexico	1,355	17	0	11
Connecticut	624	8	2	0	New York	6,216	41	5	14
Delaware	456	10	0	7	North Carolina	7,813	113	14	25
District of Columbia	42	2	0	0	North Dakota	6,343	17	6	2
Florida	5,324	86	15	67	Ohio	9,633	148	15	38
Georgia	8,453	128	10	38	Oklahoma	5,913	89	12	47
Hawaii	8	0	0	0	Oregon	5,213	30	0	13
Idaho	2,645	33	11	1	Pennsylvania	8,946	69	8	17
Illinois	13,916	217	31	68	Rhode Island	189	0	0	0
Indiana	9,129	194	23	55	South Carolina	4,270	80	10	24
Iowa	9,317	109	6	31	South Dakota	3,495	11	0	5
Kansas	10,756	67	11	18	Tennessee	5,062	90	8	26
Kentucky	5,037	69	5	20	Texas	18,289	388	52	164
Louisiana	6,726	181	14	88	Utah	1,755	18	2	7
Maine	1,680	8	1	1	Vermont	1,192	2	0	0
Maryland	1,390	19	1	2	Virginia	4,829	54	3	21
Massachusetts	1,679	12	1	4	Washington	5,749	45	1	10
Michigan	8,028	134	13	51	West Virginia	3,632	20	1	8
Minnesota	8,219	91	6	40	Wisconsin	7,043	122	15	49
Mississippi	4,850	113	15	44	Wyoming	1,151	3	0	0
Missouri	8,001	88	17	27	United States	256,241	3,502	425	1,219

Figure 2-3: Rhode Island Highway-Rail Grade Crossing Fatalities and Injuries



NOTE FOR DATA ON THIS PAGE: Any impact, regardless of severity, between railroad on-track equipment and any user of a public or private crossing site must be reported to the U.S. Department of Transportation, Federal Railroad Administration on Form F 6180.57. The crossing site includes sidewalks and pathways at, or associated with, the crossing. Counts of fatalities and injuries include motor vehicle occupants, people not in vehicles or on the trains, as well as people on the train or railroad equipment.

SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, Federal Railroad Administration, *Railroad Safety Statistics Annual Report 2000*, Washington, DC: 2001, available at http://safetydata.fra.dot.gov/officeofsafety/ as of Oct. 22, 2001.

Table 2-11: Highway-Rail Grade Crossings by Type: 2000

	Rhode	Island	United States		
	Number	Percent	Number	Percent	
Total	189	100.0	256,241	100.0	
Public, motor vehicle	118	62.4	155,370	60.6	
Private, motor vehicle	71	37.6	98,918	38.6	
Pedestrian	0	0.0	1,953	0.8	

SOURCE: U.S. Department of Transportation, Federal Railway Administration, Office of Railway Safety, *Railroad Safety Statistics Annual Report 2000*, Washington, DC: 2001, table 9-2, available at http://safetydata.fra.dot.gov/officeofsafety as of Nov. 21, 2001.

Table 2-12: Warning Devices at Public Highway-Rail Grade Crossings: 2000

	Rhode	Island	United	States
	Number	Percent	Number	Percent
Total	118	100.0	155,370	100.0
Cross bucks	7	5.9	71,468	46.0
Gates	16	13.6	34,296	22.1
Flashing lights	24	20.3	27,100	17.4
Stop signs	5	4.2	11,630	7.5
Unknown	22	18.6	5,253	3.4
Special warning	22	18.6	3,723	2.4
HWTS, WW, bells	22	18.6	1,417	0.9
Other	0	0.0	483	0.3

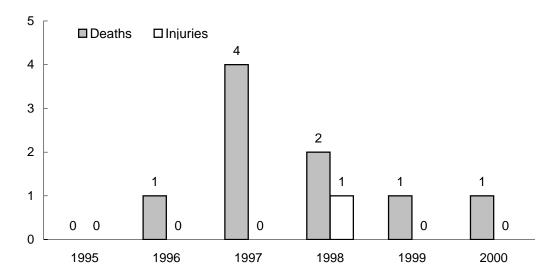
KEY: HWTS = highway traffic signals; WW = wigwags.

SOURCE: U.S. Department of Transportation, Federal Railway Administration, Office of Railway Safety, *Railroad Safety Statistics Annual Report 2000*, Washington, DC: 2001, table 9-4, available at http://safetydata.fra.dot.gov/officeofsafety as of Nov. 21, 2001.

Table 2-13: Types of People Injured in Rhode Island Train Accidents/Incidents: 2000 (Includes highway-rail crossing)

Type of person	Fatalities	Injuries
Worker on duty (railroad employee)	0	17
Employee not on duty	0	1
Passenger on train	0	0
Nontrespasser	0	1
Trespasser	1	0
Worker on duty (contractor)	0	0
Contractor (other)	0	0
Worker on duty (volunteer)	0	0
Volunteer (other)	0	0
Nontrespasser (off railroad property)	0	0

Figure 2-4: Railroad Trespasser Deaths and Injuries in Rhode Island (Excludes highway-rail crossing)



NOTE FOR DATA ON THIS PAGE: As defined by the U.S. Department of Transportation, Federal Railroad Administration, a trespasser is any person on a part of railroad property used in railroad operations whose presence is prohibited, forbidden, or unlawful. Employees who are trespassing on railroad property are reported as trespassers.

SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, Federal Railroad Administration, *Railroad Safety Statistics Annual Report 2000*, Washington, DC: 2001, available at http://safetydata.fra.dot.gov/ officeofsafety/ as of Oct. 22, 2001.

Table 2-14: Rhode Island Transit Safety Data: 2000

	Collision			No	Noncollision			
	Number of incidents	Fatalities	Injuries	Number of incidents	Fatalities	Injuries	Total property damage (\$ thousands)	
Automated guideway	0	0	0	0	0	0	0	
Cable car	0	0	0	0	0	0	0	
Commuter rail	0	0	0	0	0	0	0	
Demand responsive	55	0	8	20	0	20	99	
Ferry boat	0	0	0	0	0	0	0	
Heavy rail	0	0	0	0	0	0	0	
Light rail	0	0	0	0	0	0	0	
Motor bus	43	0	34	134	0	129	37	
Trolley bus	0	0	0	0	0	0	0	
Van pool	0	0	0	0	0	0	0	

Table 2-15: U.S. Transit Safety Data: 2000

	Collision			No	ncollision		Total property	
	Number of incidents	Fatalities	Injuries	Number of incidents	Fatalities	Injuries	damage (\$ thousands)	
Automated guideway	1	0	0	16	0	15	34	
Cable car	10	0	15	10	0	11	10	
Commuter rail	267	104	95	1,981	2	1,865	8,047	
Demand responsive	3,055	6	1,603	1,510	11	1,494	6,910	
Ferry boat	7	0	6	719	0	730	106	
Heavy rail	389	55	316	12,388	22	10,530	5,034	
Light rail	343	30	361	979	0	978	3,062	
Motor bus	23,184	93	20,800	19,847	8	20,967	43,717	
Trolley bus	122	0	103	257	0	265	103	
Van pool	186	1	65	5	0	5	563	

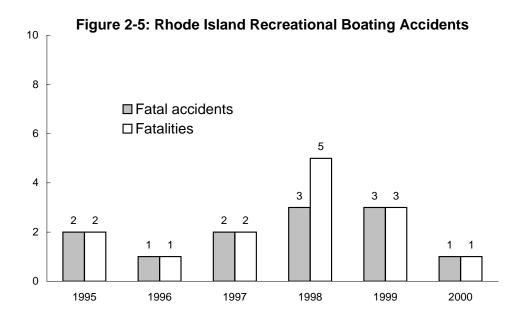
NOTES FOR DATA ON THIS PAGE: Collision includes at-grade crossings and suicides. Noncollision includes: 1) derailments/buses going off road; 2) personal casualties in parking facilities, inside vehicles, on right of way, boarding/alighting, and in station/bus stops; and 3) nonarson fires.

SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, Federal Transit Administration, 2000 National Transit Database, available at http://www.ntdprogram.com as of Dec. 5, 2001.

Table 2-16: Recreational Boating Accidents: 2000

	Rhode Island	United States
Number of accidents		
Total	57	7,740
Fatal	1	616
Nonfatal injury	15	3,292
Property damage	41	3,832
Number of persons		
Killed	1	701
Injured	23	4,355

NOTE: Guam, Puerto Rico, and the Virgin Islands are included in the U.S. total.



NOTES FOR DATA ON THIS PAGE: An accident is listed under one category only, with fatal being the highest priority, followed by nonfatal injury, followed by property damage. For example, if two vessels are in an accident resulting in a fatality and a nonfatal injury, the accident is counted as a fatal accident involving two vessels.

These data do not include: 1) accidents involving only slight injury not requiring medical treatment beyond first-aid; 2) accidents involving property damage of \$500 or less; 3) accidents not caused or contributed to by a vessel, its equipment, or its appendages; and 4) accidents in which the boat was used solely as a platform for other activities, such as swimming or skin diving. Such cases are not included because the victims freely left the safety of a boat. However, the data do include accidents involving people in the water who are struck by their boat or another boat.

SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, U.S. Coast Guard, *Boating Statistics*, 2000, Washington, DC: 2001, available at http://www.uscgboating.org/Saf/pdf/Boating_Statistics_2000.pdf as of Nov. 14, 2001.

Table 2-17: Alcohol Involvement in Recreational Boating

		1999	2000		
	Rhode Island	United States	Rhode Island	United States	
Number of accidents	10.4.14	Omiou otatoo	1014114		
Total	4	633	4	696	
Number of persons					
Killed .	2	191	0	215	
Injured	4	476	5	542	

Figure 2-6: Rhode Island Recreational Boating Accidents Involving Alcohol



NOTE FOR DATA ON THIS PAGE: Alcohol involvement in a boating accident includes any accident in which alcoholic beverages are consumed in the boat and the investigating official has determined that the operator was impaired or affected while operating the boat.

SOURCES FOR DATA ON THIS PAGE: U.S. Department of Transportation, U.S. Coast Guard, Boating Statistics 2000, Washington, DC: 2001; U.S. Department of Transportation, U.S. Coast Guard, Boating Statistics 1999, Washington, DC: 2000, available at http://www.uscgboating.org/Saf/pdf/Boating_Statistics_2000.pdf and http://www.uscgboating.org/Saf/pdf/Boating_Statistics_1999.pdf as of Nov. 14, 2001.

Table 2-18: Hazardous Materials Incidents: 2000 (Not including pipelines)

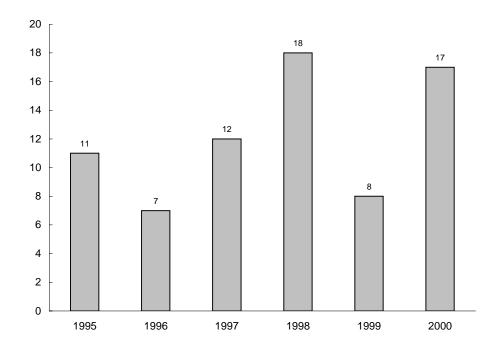
			Injuries			Damages
	Incidents	Deaths	Total	Major	Minor	(\$ thousands)
Rhode Island	17	0	2	0	2	731
United States	17,514	13	246	18	228	72,728

NOTES: U.S. total includes U.S. territories or foreign locations.

Hazardous material incident locations are often listed as the terminals or sorting centers where they are discovered. Therefore, states with this type of a facility may show a disproportionate number of incidents.

Hazardous materials transportation incidents required to be reported are defined in the Code of Federal Regulations (CFR), 49 CFR Part 171.15, 171.16 (Form F 5800.1). Hazardous materials deaths and injuries are caused by the hazardous material in commerce.

Figure 2-7: Rhode Island Hazardous Materials Incidents (Not including pipelines)



NOTE FOR DATA ON THIS PAGE: Hazardous materials incident data are subject to revision and correction by the Office of Hazardous Materials Safety.

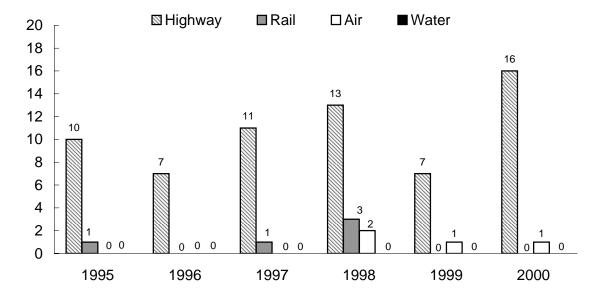
SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, Research and Special Programs Administration, Office of Hazardous Materials Safety, *Hazmat Summary by State for Calendar Year 2000*, and earlier years, Washington, DC: 2002, available at http://hazmat.dot.gov as of Apr. 24, 2002.

Table 2-19: Rhode Island Hazardous Materials Incidents by Mode: 2000 (Not including pipelines)

			Injurie	s	Damages
Mode	Total incidents	Deaths	Major	Minor	(\$ thousands)
Highway	16	0	0	2	731
Rail	0	0	0	0	0
Air	1	0	0	0	0
Water ¹	0	0	0	0	0
Total	17	0	0	2	731

¹Includes only packaged shipments (i.e., nonbulk shipments).

Figure 2-8: Rhode Island Hazardous Materials Incidents by Mode (Not including pipelines)



NOTE FOR DATA ON THIS PAGE: Hazardous materials incident data are subject to revision and correction by the Office of Hazardous Materials Safety.

SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, Research and Special Programs Administration, Office of Hazardous Materials Safety, *Hazmat Summary by State for Calendar Year 2000*, and earlier years, Washington, DC: 2002, available at http://hazmat.dot.gov/ as of Apr. 24, 2002.

Table 2-20: Natural Gas Distribution Pipeline Incidents

	1995	1996	1997	1998	1999	2000
Rhode Island						
Number of incidents	0	1	0	0	0	2
Number of fatalities	0	0	0	0	0	0
Number of injuries	0	0	0	0	0	0
Property damage (\$ thousands)	0	250	0	0	0	250
United States, total						
Number of incidents	97	110	102	137	119	154
Number of fatalities	16	47 ¹	9	17	19	22
Number of injuries	43	109 ¹	67	65	85	59
Property damage (\$ thousands)	10,951	16,253 ¹	12,493	19,055	25,914	23,399

¹ Includes 33 fatalities, 42 injuries, and \$5,000,000 property damage associated with an incident in San Juan, Puerto Rico that was attributed to natural gas at the time. The cause of the incident is currently in dispute and subject to litigation.

NOTE: Incidents are reported on Form RSPA F 7100.1.

Table 2-21: Natural Gas Transmission Pipeline Incidents

	1995	1996	1997	1998	1999	2000
Rhode Island						
Number of incidents	0	0	0	0	0	0
Number of fatalities	0	0	0	0	0	0
Number of injuries	0	0	0	0	0	0
Property damage (\$ thousands)	0	0	0	0	0	0
United States, total						
Number of incidents	64	77	73	99	54	80
Number of fatalities	2	1	1	1	2	15
Number of injuries	10	5	5	11	8	18
Property damage (\$ thousands)	9,958	13,078	12,078	29,749	17,696	17,868

NOTE: Incidents are reported on Form RSPA F 7100.2.

NOTES FOR DATA ON THIS PAGE: Incident means any of the following events:

Historical totals may change as the Office of Pipeline Safety receives supplemental information on incidents.

SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, Research and Special Programs Administration, Office of Pipeline Safety, available at http://ops.dot.gov as of Jan. 7, 2002.

I. An event that involves a release of gas from a pipeline or of liquefied natural gas (LNG) facility and a) a death or personal injury necessitating in-patient hospitalization or b) estimated property damage, including cost of gas lost, of the operator or others, or both, of \$50,000 or more.

II. An event that results in an emergency shutdown of an LNG facility.

III. An event that is significant, in the judgment of the operator, even though it did not meet the criteria of I or II.

Table 2-22: Hazardous Liquid Pipeline Incidents

	1995	1996	1997	1998	1999	2000
Rhode Island						
Number of incidents	0	0	0	0	0	1
Number of fatalities	0	0	0	0	0	0
Number of injuries	0	0	0	0	0	0
Property damage (\$ thousands)	0	0	0	0	0	100
United States, total						
Number of incidents	188	193	171	153	168	147
Number of fatalities	3	5	0	2	4	1
Number of injuries	11	13	5	6	20	4
Property damage (\$ thousands)	32,519	81,083	42,811	62,865	43,109	115,704

NOTES: Historical totals may change as the Office of Pipeline Safety receives supplemental information on incidents. Incidents are reported on Form RSPA F 7100.1. An accident report is required for each failure in a pipeline system in which there is a release of the hazardous liquid or carbon dioxide transported resulting in any of the following:

- 1. Explosion or fire not intentionally set by the operator;
- 2. Loss of 50 or more barrels (8 or more cubic meters) of hazardous liquid or carbon dioxide;
- 3. Escape to the atmosphere of more than 5 barrels (0.8 cubic meters) a day of highly volatile liquids;
- 4. Death of any person;
- 5. Bodily harm to any person resulting in: a. loss of consciousness; or b. necessity to carry the person from the scene; or c. necessity for medical treatment; or d. disability which prevents the discharge of normal duties or the pursuit of normal
- c. necessity for medical treatment; or a. disability which prevents the discharge of normal duties or the pursuit of normal activities beyond the day of the accident;
- 6. Estimated property damage, including cost of clean-up and recovery, value of lost product, and damage to the property of the operator or others, or both, exceeding \$50,000.

SOURCE: U.S. Department of Transportation, Research and Special Programs Administration, Office of Pipeline Safety, available at http://ops.dot.gov as of Jan. 7, 2002.

C Freight Transportation

Table 3-1: Domestic Shipments to Rhode Island by State: 1997 (Descending order by weight)

			Weight				Weight
		Value	(thousand			Value	(thousand
State of origin	Rank	(\$ millions)	short tons)	State of origin	Rank	(\$ millions)	short tons)
Massachusetts	1	2,992	2,279	Washington	26	58	5
New Jersey	2	1,427	633	Nebraska	27	S	2
New York	3	686	380	Arizona	28	S	1
Connecticut	4	704	356	Alaska	29	S	S
Pennsylvania	5	777	291	Arkansas	29	S	S
Ohio	6	326	207	Colorado	29	S	S
Vermont	7	71	139	District of Columbia	29	S	S
Maine	8	103	135	Florida	29	191	S
Virginia	9	294	115	Georgia	29	121	S
North Carolina	10	413	104	Hawaii	29	S	S
New Hampshire	11	166	101	Idaho	29	S	S
South Carolina	12	188	92	lowa	29	44	S
Illinois	13	462	78	Louisiana	29	15	S
Texas	14	185	70	Maryland	29	69	S
Alabama	15	104	51	Minnesota	29	S	S
Tennessee	16	195	46	Montana	29	S	S
Kentucky	17	S	45	Nevada	29	8	S
California	18	524	43	New Mexico	29	2	S
Wisconsin	19	278	37	North Dakota	29	S	S
Mississippi	20	69	36	Oklahoma	29	S	S
Michigan	21	135	30	Oregon	29	S	S
Indiana	22	98	19	Rhode Island	29	3,443	S
Delaware	23	45	15	Utah	29	S	S
Missouri	24	94	14	West Virginia	29	17	S
South Dakota	25	13	12	Wyoming	29	S	S
Kansas	26	26	5	From all states		15,300	20,541

KEY: S = data do not meet publication standards because of high sampling variability or other reasons.

NOTES: The Commodity Flow Survey covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail. Due to industry-wide reporting problems, shipments by oil and gas extraction establishments are also excluded. "From all states" total includes all domestic shipments to the destination state, including intrastate shipments.

SOURCE: U.S. Department of Transportation, Bureau of Transportation Statistics and U.S. Department of Commerce, U.S. Census Bureau, *1997 Commodity Flow Survey*, Washington, DC: 1999, available at http://www.bts.gov/ntda/cfs/cfs97od.html as of Nov. 2, 2001.

Table 3-2: Domestic Shipments from Rhode Island by State: 1997 (Descending order by weight)

			Weight				Woight
State of		Value	(thousand	State of		Value	Weight (thousand
destination	Rank	(\$ millions)	short tons)	destination	Rank	(\$ millions)	short tons)
Massachusetts	1	2,921	3,473	New Mexico	20	16	1
New York	2	1,192	252	Nebraska	20	12	1
Pennsylvania	3	654	144	Alabama	21	63	S
New Jersey	4	536	122	Alaska	21	S	S
Maine	5	232	102	Colorado	21	S	S
Ohio	6	302	61	Connecticut	21	723	S
Illinois	7	435	52	Delaware	21	S	S
California	8	682	46	District of Columbia	21	S	S
North Carolina	9	245	45	Hawaii	21	S	S
Vermont	10	98	42	Idaho	21	1	S
Georgia	11	365	40	Iowa	21	15	S
Florida	12	512	30	Indiana	21	88	S
Virginia	12	169	30	Kansas	21	S	S
South Carolina	13	196	24	Kentucky	21	74	S
Tennessee	14	113	19	Minnesota	21	189	S
Michigan	15	225	8	Nevada	21	19	S
Missouri	15	113	8	New Hampshire	21	192	S
Maryland	15	88	8	North Dakota	21	S	S
Arkansas	15	61	8	Oklahoma	21	30	S
Mississippi	16	S	5	Rhode Island	21	3,443	S
Washington	17	S	4	South Dakota	21	S	S
Louisiana	18	48	3	Texas	21	383	S
Arizona	19	39	2	Utah	21	56	S
Oregon	20	40	1	Wisconsin	21	101	S
West Virginia	20	19	1	Wyoming	21	S	S
Montana	20	17	1	To all states	•	15,255	22,669

KEY: S = data do not meet publication standards because of high sampling variability or other reasons.

NOTES: The Commodity Flow Survey covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail. Due to industry-wide reporting problems, shipments by oil and gas extraction establishments are also excluded. "To all states" total includes all domestic shipments from the state of origin, including intrastate shipments.

SOURCE: U.S. Department of Transportation, Bureau of Transportation Statistics and U.S. Department of Commerce, U.S. Census Bureau, *1997 Commodity Flow Survey*, Washington, DC: 1999, available at http://www.bts.gov/ntda/cfs/cfs97od.html as of Nov. 2, 2001.

Table 3-3: Shipments Originating in Rhode Island by Mode of Transportation: 1997

	Valu	е	Short to	ons	Ton-m	iles
	Number		Number		Number	
	(\$ millions)	Percent	(thousands)	Percent	(millions)	Percent
All modes	15,255	100.0	22,669	100.0	1,490	100.0
Single modes	11,275	73.9	22,266	98.2	1,226	82.3
Truck	11,081	72.6	22,257	98.2	1,203	80.7
For-hire	5,608	36.8	1,747	7.7	631	42.3
Private truck	5,473	35.9	S	S	572	38.4
Rail	S	S	S	S	S	S
Water	Z	Z	Z	Z	Z	Z
Shallow draft	Z	Z	Z	Z	Z	Z
Great Lakes	Z	Z	Z	Z	Z	Z
Deep draft	Z	Z	Z	Z	Z	Z
Air (including truck and air)	139	Z	3	Z	5	Z
Pipeline	Z	Z	Z	Z	S	S
Multiple modes	3,313	21.7	100	0.4	92	6.2
service	3,312	21.7	100	0.4	92	6.2
Truck and rail intermodal combination	S	S	S	S	S	S
Truck and water	Z	Z	Z	Z	Z	Z
Rail and water	Z	Z	Z	Z	Z	Z
Other multiple modes	Z	Z	Z	Z	Z	Z
Other and unknown modes	668	4.4	302	1.3	S	S

KEY: S = data do not meet publication standards because of high sampling variability or other reasons; Z = zero or less than 1 unit of measure.

NOTE: The Commodity Flow Survey covers business establishments in mining, manufacturing, wholesale trade, and selected retail industries. The survey also covers selected auxiliary establishments (e.g., warehouses) of in-scope multiunit and retail companies. The survey excludes establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most establishments in retail. Due to industry-wide reporting problems, shipments by oil and gas extraction establishments are also excluded.

SOURCE: U.S. Department of Transportation, Bureau of Transportation Statistics and U.S. Department of Commerce, U.S. Census Bureau, *1997 Commodity Flow Survey*: Washington, DC: 1999, available at http://www.bts.gov/ntda/cfs/cfs97od.html as of Nov. 2, 2001.

Table 3-4: Domestic Shipments from Rhode Island by Truck: 1997 (Descending order by weight)

State of destination	Value (\$ millions)	Weight (thousand short tons)
Massachusetts	2,582	3,382
New York	750	227
Pennsylvania	461	134
New Jersey	410	116
Maine	S	97
Illinois	269	48
North Carolina	164	43
Vermont	81	40
California	256	32
Ohio	144	32
All other states	S	18,106
Total, all states	11,081	22,257

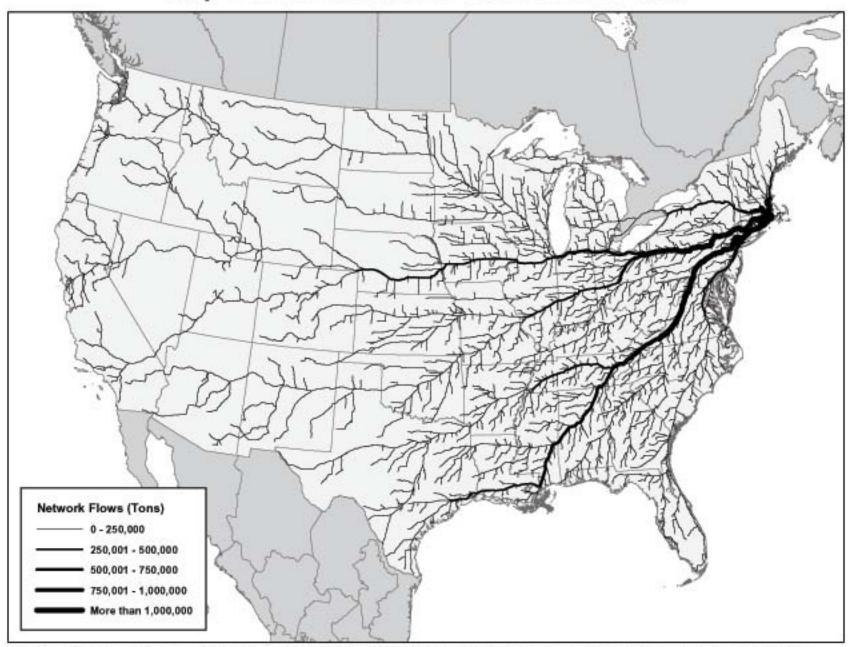
Table 3-5: Domestic Shipments to Rhode Island by Truck: 1997 (Descending order by weight)

-		Weight
	Value	(thousand
State of origin	(\$ millions)	short tons)
Massachusetts	2,608	2,225
New Jersey	S	571
Connecticut	518	346
New York	483	341
Pennsylvania	521	280
Vermont	58	137
Maine	93	130
Ohio	236	126
Virginia	264	113
North Carolina	366	102
All other states	S	14,946
Total, all states	11,537	19,317

KEY FOR DATA ON THIS PAGE: S = data do not meet publication standards because of high sampling variability or other reasons.

SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, Bureau of Transportation Statistics and U.S. Department of Commerce, U.S. Census Bureau, *1997 Commodity Flow Survey*, Washington, DC: 2000, data from CD-ROM, CD-EC97-CFS.

Map 3-1: Rhode Island Truck Flows: 1998



SOURCE: U.S. Department of Transportation, Federal Highway Administration, Operations Core Business Unit, Office of Freight Management and Operations

Table 3-6: Truck Shipments from Rhode Island by Commodity: 1997 (Descending order by weight)

Commodity (2-digit commodity code)	Value (\$ millions)	Weight (thousand short tons)
Gasoline and aviation turbine fuel (17)	633	1,897
Fuel oils (18)	234	1,174
Coal and petroleum products, n.e.c. (19)	S	453
Base metal in primary or semifinished forms and in finished basic shapes (32)	738	367
Wood products (26)	281	347
Printed products (29)	477	344
Articles of base metal (33)	845	221
Basic chemicals (20)	336	194
Plastics and rubber (24)	751	182
Textiles, leather, and articles of textiles or leather (30)	579	80
Electronic and other electrical equipment and components and office equipment (35)	1,329	69
Paper or paperboard articles (28)	251	46
Machinery (34)	200	15
Precision instruments and apparatus (38)	407	14
Tobacco products (09)	12	Z
Chemical products and preparations, n.e.c. (23)	144	S
Furniture, mattresses and mattress supports, lamps, lighting fittings, and illuminated signs (15	S
Miscellaneous manufactured products (40)	1,315	S
All other commodities	S	S
Total, all commodities	11,081	22,257

KEY: n.e.c. = not elsewhere classified; S = data do not meet publication standards because of high sampling variability or other reasons; <math>Z = zero or less than 1 unit of measure.

NOTE: There are 41 two-digit Standard Classification of Transported Goods (SCTG) commodity codes.

SOURCE: U.S. Department of Transportation, Bureau of Transportation Statistics and U.S. Department of Commerce, U.S. Census Bureau, *1997 Commodity Flow Survey*, Washington, DC: 2000, data from CD-ROM, CD-EC97-CFS.

Table 3-7: Rail Shipments Terminating in Rhode Island (Short tons)

		Percent of		
Commodity	1999	total	2000	total
Chemicals	221,330	44	196,630	42
Food products and paper products	39,500	8	104,100	22
Lumber and wood products	93,800	19	91,400	20
Nonmetal mineral and metal products	40,000	8	65,000	14
Primary metal products	46,100	9	U	U
All other commodities	63,700	13	9,600	2
Rhode Island, total	504,430	100	466,730	100

Table 3-8: Rail Shipments Originating in Rhode Island (Short tons)

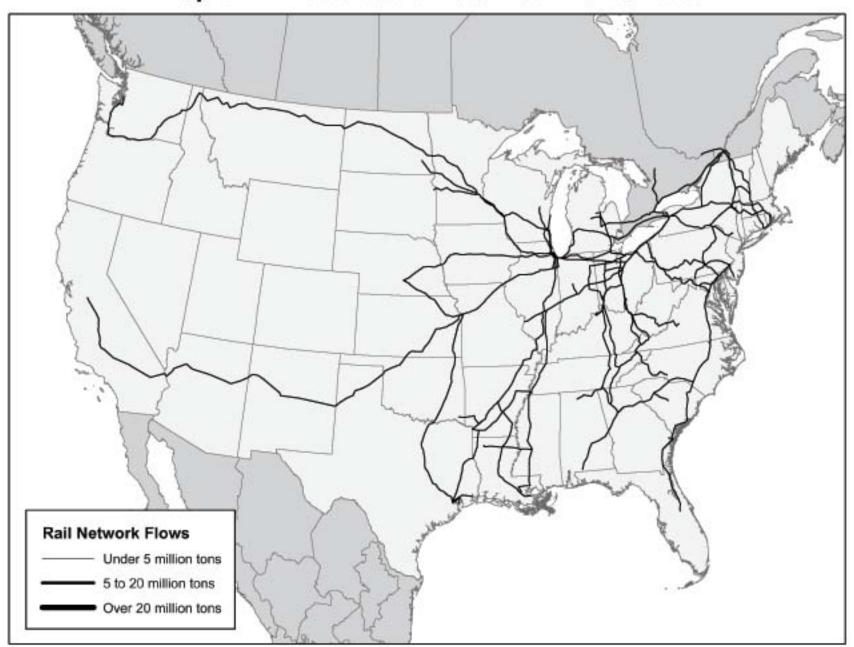
		Percent of	:	Percent of
Commodity	1999	total	2000	total
Waste and scrap, chemicals	57,320	77	128,480	98
Food products	9,600	13	U	U
Chemicals	3,920	5	U	U
Primary metal products	3,120	4	U	U
Miscellaneous products	320	<1	U	U
All other commodities	0	0	3,200	2
Rhode Island, total	74,280	100	131,680	100

KEY FOR DATA ON THIS PAGE: U = data are unavailable.

NOTE FOR DATA ON THIS PAGE: Includes the five largest commodities (by tonnage terminated or originated) of the 38 two-digit Standard Transportation Commodity Code groupings plus all others for state total. Includes intrastate shipments.

SOURCE FOR DATA ON THIS PAGE: Association of American Railroads, *Railroads and States-2000*, Washington, DC: January 2002, available at http://www.aar.org/abouttheindustry/stateinformation.asp as of Mar. 18, 2002; and *Railroads and States -1999*, Washington, DC: January 2002, available at http://www.aar.org/ abouttheindustry/stateinformation.asp as of Mar. 18, 2002.

Map 3-2: Rhode Island Total Rail Flows: 1999



SOURCE: U.S. Department of Transportation, Federal Railroad Administration, Office of Policy

Table 3-9: Foreign and Domestic Waterborne Shipments Originating in Rhode Island by Destination: 2000

		Percent of
Destination	Short tons	total
Total originating in Rhode Island	815,633	100.0
Foreign (excluding Canada)	268,461	32.9
Massachusetts	202,505	24.8
New York	134,603	16.5
Louisiana	73,006	9.0
Rhode Island (intrastate)	53,477	6.6
South Carolina	49,700	6.1
Canada	16,976	2.1
Maine	10,459	1.3
Connecticut	6,113	0.7
Virginia	333	<0.1

Table 3-10: Foreign and Domestic Waterborne Shipments to Rhode Island by Origin: 2000

		Percent of
Origin	Short tons	total
Total shipped to Rhode Island	8,326,770	100.0
New Jersey	2,451,358	29.4
Foreign (excluding Canada)	2,256,614	27.1
New York	1,321,670	15.9
Canada	717,925	8.6
Delaware	698,044	8.4
Texas	455,175	5.5
Connecticut	146,603	1.8
Louisiana	78,453	0.9
Mississippi	56,266	0.7
Rhode Island (intrastate)	53,477	0.6
Virginia	36,595	0.4
Massachusetts	35,629	0.4
Maine	9,601	0.1
Pennsylvania	9,360	0.1

SOURCE FOR DATA ON THIS PAGE: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, *Origin and Destination of Waterborne Commerce of the United States, 2000*, available at http://www.wrsc.usace.army.mil as of Feb. 12, 2002.

Table 3-11: Foreign and Domestic Waterborne Shipments Originating in Rhode Island by Commodity: 2000¹

Commodity	Short tons	Percent of total
Total	815,633	100.0
Iron ore, iron, and steel waste and scrap	230,143	28.2
Petroleum products	201,961	24.8
Primary metal products	24,414	3.0
Non-ferrous ores and scrap	16,976	2.1
Primary nonmetal products	13,779	1.7
Manufactured goods	125	<0.1
Unknown and not elsewhere classified products ²	328,235	40.2

Table 3-12: Domestic Waterborne Shipments Originating in Rhode Island by Commodity: 2000¹

Commodity	Short tons	Percent of total
Total	547,172	100.0
Petroleum products	201,961	36.9
Non-ferrous ores and scrap	16,976	3.1
Unknown and not elsewhere classified products ²	328,235	60.0

¹ "Domestic" includes intrastate shipments.

SOURCE FOR DATA ON THIS PAGE: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, State to State and Region to Region Commodity Tonnages, Public Domain database, available at http://www.wrsc.usace.army.mil/ndc/datapdom.htm as of August 2002.

² To protect confidentiality, if three or more vessel operating companies do not carry a particular commodity from a state of origin to a state of destination, then that commodity is reclassified to "unknown and not elsewhere classified products."

Table 3-13: Foreign and Domestic Waterborne Shipments to Rhode Island by Commodity: 2000¹

		Percent of
Commodity	Short tons	total
Total	8,326,770	100.0
Petroleum products	6,701,362	80.5
Sand, gravel, shells, clay, salt, and slag	638,527	7.7
Primary nonmetal products	604,165	7.3
Chemicals excluding fertilizers	27,771	0.3
Primary metal products	24,294	0.3
Manufactured goods	17,715	0.2
Coal, lignite, and coal coke	13,228	0.2
Lumber, logs, wood chips, and pulp	2,578	<0.1
Food and food products	548	<0.1
Unknown and not elsewhere classified	296,582	3.6

Table 3-14: Domestic Waterborne Shipments to Rhode Island by Commodity: 2000¹

		Percent of
Commodity	Short tons	total
Total	6,070,156	100.0
Petroleum products	5,392,202	88.8
Sand, gravel, shells, clay, salt, and slag	372,002	6.1
Primary nonmetal products	9,370	0.2
Unknown and not elsewhere classified	296,582	4.9

¹ "Domestic" includes intrastate shipments.

SOURCE FOR DATA ON THIS PAGE: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, State to State and Region to Region Commodity Tonnages, Public Domain database, available at http://www.wrsc.usace.army.mil/ ndc/datapdom.htm as of Oct. 30, 2001.

²To protect confidentiality, if three or more vessel operating companies do not carry a particular commodity from a state of origin to a state of destination, then that commodity is reclassified to "unknown and not elsewhere classified products."

Table 3-15: U.S. Waterborne Imports by State and Vessel Type: 1999 (Thousands of metric tons)

		Vessel type			
	•		Dry-bulk	Full	Other
Cargo discharged in	Total	Tanker	carrier	container	freighter ¹
Texas	215,154	177,950	31,448	3,442	2,314
Louisiana	140,682	98,723	37,092	1,101	3,766
California	75,162	31,143	10,345	29,169	4,505
New York	55,174	30,575	11,814	10,701	2,084
Pennsylvania	37,381	25,980	8,319	1,140	1,943
Florida	28,509	10,565	10,166	3,656	4,112
Virgin Islands	21,954	19,634	2,294	16	10
Maine	20,795	19,616	1,521	29	629
Mississippi	18,719	16,446	1,435	556	282
Washington	18,311	2,585	6,708	5,915	3,093
New Jersey	17,842	14,230	2,916	41	655
Alabama	14,211	5,620	8,046	53	492
Maryland	14,090	1,448	8,948	1,462	2,232
Puerto Rico	14,058	8,863	3,096	1,049	1,050
Massachusetts	12,588	9,538	2,347	501	202
Virginia	10,705	4,032	1,903	4,064	706
Georgia	9,614	2,353	3,845	2,403	1,013
South Carolina	8,755	384	3,455	4,257	659
Delaware	7,957	4,656	1,474	1,275	552
Michigan	6,771	173	6,302	81	215
Hawaii	5,955	4,832	957	82	84
Ohio	5,257	69	4,930	20	238
Illinois	4,883	231	4,489	25	138
Oregon	4,369	1,215	1,776	421	957
Rhode Island	2,662	2,662	919	23	46
North Carolina	1,575	1,575	1,077	320	284
New Hampshire	1,505	1,505	1,691	4	12
Connecticut	1,534	1,534	786	78	532
Wisconsin	0	Z	1,280	5	98
Alaska	967	967	224	19	31
Minnesota	23	23	399	4	203
District of Columbia	0	Z	48	Z	5
Indiana	Z	Z	Z	Z	Z
United States, total	785,243	498,124	182,050	71,914	33,155

¹Roll-on/roll-off, breakbulk ships, partial containerships, refrigerated cargo ships, barge carriers, and specialized cargo ships.

KEY: Z = zero or less than 1 unit of measure.

SOURCE: U.S. Department of Transportation, Maritime Administration, Office of Statistical and Economic Analysis, Waterborne Databank 1999, May 2002.

Table 3-16: U.S. Waterborne Exports by State and Vessel Type: 1999 (Thousands of metric tons)

		Vessel type			
		Dry-bulk Full Other			
Cargo loaded in	Total	Tanker	carrier	container	freighter ¹
Louisiana	97,093	9,842	77,773	3,669	5,809
Texas	50,331	23,279	18,917	4,769	3,366
California	34,585	4,778	11,074	17,011	1,722
Washington	30,810	2,459	19,189	6,897	2,265
Virginia	27,374	269	22,106	4,018	981
Florida	17,797	692	9,332	2,773	5,000
Ohio	12,936	74	12,505	130	227
Oregon	12,712	501	8,535	2,181	1,495
Alaska	10,122	5,794	3,300	319	709
New York	9,644	508	2,992	5,476	668
Michigan	8,392	190	7,673	348	181
Maryland	7,834	129	6,257	734	714
Alabama	7,724	126	4,656	366	2,576
Wisconsin	7,492	117	7,007	142	226
Georgia	6,291	173	1,323	3,246	1,549
South Carolina	5,929	39	222	5,157	511
Minnesota	3,994	45	3,721	125	103
North Carolina	2,614	305	1,212	323	774
Mississippi	2,456	421	1,095	329	611
Puerto Rico	1,054	593	33	238	190
Virgin Islands	772	699	35	14	24
Illinois	624	1	521	90	12
Pennsylvania	616	89	116	276	135
Massachusetts	576	19	226	297	34
Hawaii	509	328	63	57	61
Delaware	513	17	173	189	134
Maine	329	57	61	44	167
New Jersey	285	113	63	47	62
Connecticut	126	8	81	19	18
Rhode Island	111	9	98	2	2
New Hampshire	23	20	Z	1	2
Indiana	18	Z	18	Z	Z
District of Columbia	Z	Z	Z	Z	Z
United States, total	360,697	51,696	219,382	59,289	30,330

¹ Roll-on/roll-off, breakbulk ships, partial containerships, refrigerated cargo ships, barge carriers, and specialized cargo ships.

KEY: Z = zero or less than 1 unit of measure.

SOURCE: U.S. Department of Transportation, Maritime Administration, Office of Statistical and Economic Analysis, Waterborne Databank 1999, May 2002.

Table 3-17: Scheduled and Nonscheduled Air Freight and Mail Enplaned: 2000 (Short tons)

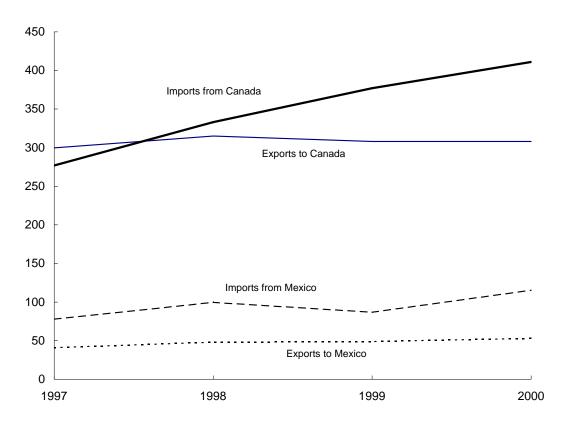
	Freight			Mail
State	Scheduled	Nonscheduled	Scheduled	Nonscheduled
Alabama	17,233	139,250	6,796	25
Alaska	467,057	141,482	52,354	10,232
Arizona	70,430	66,143	36,115	27,465
Arkansas	1,886	12,578	6,534	2,955
California	1,176,476	504,757	237,537	87,278
Colorado	106,816	61,503	55,370	31,711
Connecticut	14,802	54,627	10,260	1,575
Delaware	0	3,251	0	0
District of Columbia	92,526	6,208	46,511	6,615
Florida	461,831	334,177	85,818	14,182
Georgia	204,986	66,293	116,174	3,961
Hawaii	208,048	52,473	33,768	476
Idaho	11,231	5,064	3,065	1,307
Illinois	318,957	202,867	112,959	9,111
Indiana	408,262	85,326	24,814	134,145
Iowa	15,346	53,766	7,429	3,984
Kansas	6,200	20,199	2,597	18
Kentucky	16,427	823,924	5,093	0
Louisiana	29,577	21,753	11,399	1,758
Maine	8,428	11,368	185	91
Maryland	25,723	24,781	19,850	3,573
Massachusetts	114,243	422,158	31,133	9,384
Michigan	87,127	68,108	41,678	4,848
Minnesota	85,691	51,285	59,550	9,192
Mississippi	398	11,338	2,198	0
Missouri	71,317	67,157	67,876	4,120
Montana	16,261	7,917	1,987	3,341
Nebraska	12,188	26,366	10,825	6,546
Nevada	45,636	12,641	30,407	1,373
New Hampshire	17,995	30,439	740	11
New Jersey	352,556	115,712	54,837	4,550
New Mexico	12,845	29,355	9,327	3,379
New York	317,258	167,388	113,892	5,622
North Carolina	85,996	85,765	35,985	3,498
North Dakota	5,424	383	222	2,820
Ohio	283,292	292,529	48,750	6,442
Oklahoma	25,773	16,804	9,022	9
Oregon	73,035	59,101	12,655	22,729
Pennsylvania	156,043	312,359	45,377	9,035
Puerto Rico	78,117	44,530	4,319	3,312
Rhode Island	3,883	2,753	2,543	0
South Carolina	17,237	76,688	3,234	6
South Dakota	8,114	12,298	1,040	4,583
Tennessee	1,324,829	60,779	31,342	6,417
Texas	440,864	482,724	138,548	47,644
Utah	66,549	133,609	30,908	25,073
Vermont	3,257	19	122	0
Virginia	20,961	35,881	5,189	3,492
Washington	152,299	84,367	34,449	55,975
West Virginia	4,306	128	4	0
Wisconsin	30,060	19,618	11,558	1,088
Wyoming	6,786	11	5	0
United States, total	7,582,577	5,422,002	1,714,348	584,950

SOURCE: U.S. Department of Transportation, Bureau of Transportation Statistics, *Airport Activity Statistics of Certificated Air Carriers: Summary Tables, Twelve Months Ending Dec. 31, 2000,* Washington, DC: 2001, available at http://www.bts.gov/publications/ airactstats2000/ as of August 2002.

Table 3-18: Surface Merchandise Trade with Canada and Mexico: 2000 (Millions of current dollars)

	Expor	ts to	Imports from		
	Canada	Canada Mexico		Mexico	
Rhode Island	308	53	411	115	
United States, total	154,847	97,159	210,270	113,437	

Figure 3-1: Rhode Island Surface Merchandise Trade with Canada and Mexico (Millions of current dollars)



SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, Bureau of Transportation Statistics, *Transborder Surface Freight Data*, available at http://www.bts.gov/ntda/tbscd/reports.html as of August 2001.

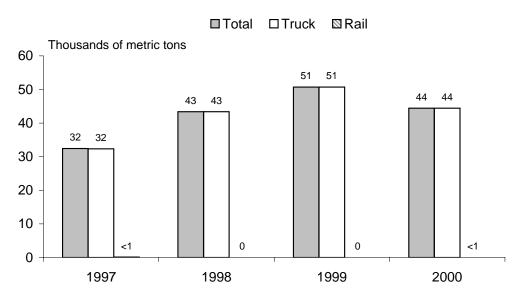
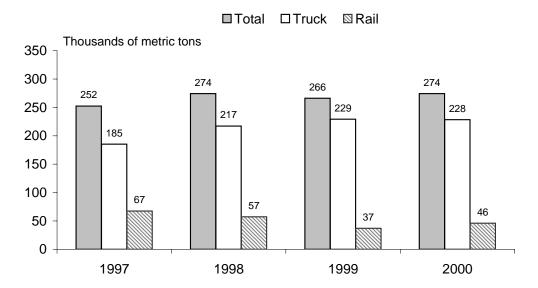


Figure 3-2: Truck and Rail Imports from Mexico to Rhode Island by Weight





NOTES FOR DATA ON THIS PAGE: Data do not include transshipment activity. Transshipments are shipments that enter or exit the United States by way of a U.S. Customs port on the northern or southern border, but whose origin or destination is a country other than Canada or Mexico. All figures are based on the declared gross shipment weight and include packaging. Shipping weight for imports may be underestimated because U.S. Customs Service does not require weight to be reported at the individual commodity level for surface trade.

SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, Bureau of Transportation Statistics, *Transborder Surface Freight Data,* available at http://www.bts.gov/ntda/tbscd/reports.html as of August 2002.

D Passenger Travel

Table 4-1: Commuting to Work: 2000

	Rhode Island		United S	tates
Mode	Number	Percent	Number	Percent
Total	483,901	100.0	127,448,586	100.0
Car, truck, or van drove alone	398,714	82.4	97,243,457	76.3
Car, truck, or van carpooled	48,687	10.1	14,299,090	11.2
Public transportation (including taxi)	10,038	2.1	6,592,685	5.2
Walked	12,855	2.7	3,417,546	2.7
Other means	5,360	1.1	1,820,578	1.4
Worked at home	8,247	1.7	4,075,230	3.2
Mean travel time to work (minutes)	21.9		24.3	

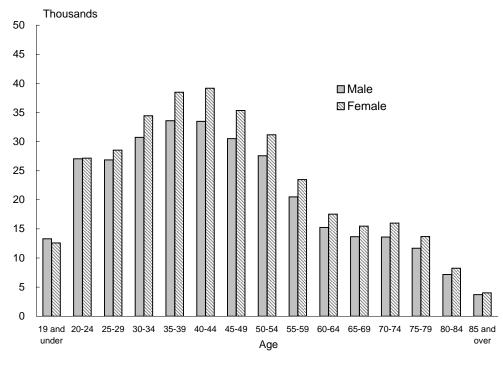
NOTE: Data are for workers 16 years and over.

SOURCE: U.S. Department of Commerce, U.S. Census Bureau, *Census 2000 Supplementary Survey, Profile of Selected Economic Characteristics*, available at http://www.census.gov/c2ss/www/as of Oct. 16, 2001.

Table 4-2: Licensed Drivers: 2000

	Rhode	Island	United States		
Licensed drivers	Number	Percent	Number	Percent	
Total	654,035	100.0	190,625,023	100.0	
Male	308,689	47.2	95,796,069	50.3	
Female	345,346	52.8	94,828,953	49.7	

Figure 4-1: Licensed Drivers in Rhode Island by Age and Sex: 2000



SOURCE FOR TABLE 4-2 and FIGURE 4-1: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2000*, Washington, DC: 2001.

Table 4-3: Urban Transit Agencies in Rhode Island: 2000

Transit agencies	Modes provided	Urbanized area	Annual unlinked passenger trips (thousands)	Average weekday unlinked trips (thousands)	Operating funds expended (\$ millions)	Capital funds expended (\$ millions)	Vehicles available for maximum service
Rhode Island Public Transit Authority (RIPTA)	Bus	Providence-Pawtucket, RI- MA	15,932	53	44	18	244
Comsis Mobility Services, Inc. (RIDE)	Demand responsive	Providence-Pawtucket, RI- MA	627	2	7	0	117

SOURCE: U.S. Department of Transportation, Federal Transit Administration, National Transit Database, available at http://www.ntdprogram.com/NTD/Profiles.nsf/ProfileInformation?OpenForm&2000&All as of Dec. 6, 2001.

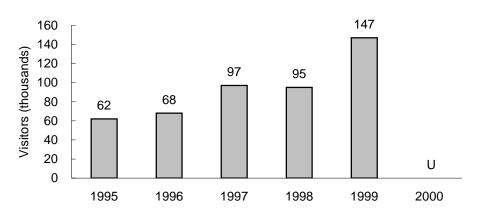


Figure 4-2: Overseas Visitors to Rhode Island¹

¹International travelers to the United States from Canada and Mexico are not included.

KEY: U = data are unavailable.

SOURCES: U.S. Department of Commerce, International Trade Administration, Office of Tourism Industries, *Overseas Visitors to Select U.S. States and Territories 2000-1999 (Ranked by 2000 Market Share),* Washington, DC: 2001, available at http://tinet.ita.doc.gov/ as of Oct. 19, 2001; U.S. Department of Commerce, International Trade Administration, Office of Tourism Industries, *Overseas Visitors to Select U.S. States and Territories 1996-1995*, Washington, DC: 2001, available at http://tinet.ita.doc.gov/ as of Nov. 13, 2001.

E Registered Vehicles and Vehicle-Miles Traveled

Table 5-1: Rhode Island and U.S. Motor-Vehicle Registrations: 2000

	Private and	Publicly	Rhode Island	United States
Motor vehicle type	commercial	owned	total	total
All motor vehicles	769,283	9,771	779,054	225,821,241
Automobiles	534,422	4,553	538,975	133,621,420
Buses	1,946	11	1,957	746,125
Trucks ¹	213,483	5,155	218,638	87,107,628
Light trucks	201,271	U	201,271	77,796,827
Farm trucks	U	U	U	1,885,170
Truck tractors	2,774	U	2,774	1,587,611
Motorcycles	19,432	52	19,484	4,346,068

¹Includes light trucks (pickups, vans, sport utility vehicles, and other light trucks) as well as medium and large trucks.

KEY: U = data are unavailable.

SOURCE: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics* 2000, Washington, DC: 2001, tables MV-1 and MV-9.

Table 5-2: Rhode Island and U.S. Trailer and Semi-Trailer Registrations: 2000¹

Туре	Rhode Island	United States
Total	56,680	21,541,490
Private and commercial	55,706	21,283,681
Commercial trailers ²	6,907	4,685,606
Light farm trailers, car trailers, etc.3	48,799	14,113,392
House trailers	0	2,484,683
Publicly owned	974	257,809
Federal government	8	4,277
State, county, municipal governmen	966	253,532

¹ The completeness of data on trailer registrations varies greatly among states. Data are reported to the extent available and, in some cases, are supplemented by estimates of the Federal Highway Administration

NOTE: Mobile homes and house trailers are shown for states that require registration and are able to segregate them from other trailers. In states where this classification is not available, house trailers are included with light car trailers.

SOURCE: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics* 2000, Washington, DC: 2001, table MV-11.

² This row includes all commercial type vehicles and semi-trailers that are in private or for-hire use.

³ Several states do not require the registration of light farm or automobile trailers.

Table 5-3: Rhode Island Truck Characteristics and Use: 1997 (Percent unless otherwise specified)

Vehicular and operational characteristics	All trucks	Trucks, excluding pickups, panels, vans, sport utilities, and station wagons	Vehicular and operational characteristics	All trucks	Trucks, excluding pickups, panels, vans, sport utilities, and station wagons
Total, number (thousands)	190.8	13.5			
Major use	100.0	100.0	Year model	100.0	100.0
Agriculture	1.4	4.8	1 to 2 years old	17.6	8.7
Forestry and lumbering	0.1	1.9	3 to 4 years old	15.0	11.7
Mining and quarrying	V	0.3	Over 4 years old	67.4	79.6
Construction	9.5	26.0			
Manufacturing	2.1	9.1	Vehicle acquisition	100.0	100.0
Wholesale and retail trade	6.2	20.2	Purchased new	40.7	44.3
For-hire transportation	1.0	13.7	Purchased used	46.4	49.9
Utilities and service	7.2	17.3	Leased from someone or	12.9	5.8
Personal transportation	71.3	5.0	not reported		
Other and not reported	1.2	1.8			
			Truck type	100.0	100.0
Body type	100.0	100.0	Single-unit trucks	97.6	75.8
Pickup, panel, minivan,	92.9	NA	2 axles	97.0	67.7
sport utility			3 axles or more	0.6	8.1
Platform and cattlerack	1.4	20.0	Combination	2.4	24.2
Van	1.6	22.3	3 axles	0.3	2.8
Public utility	0.2	2.2	4 axles	1.3	10.6
Multistop or stepvans	1.3	18.8	5 axles or more	0.8	10.8
Dump	1.6	22.4	Trailer not specified	0.3	V
Tank for liquids or dry bulk	0.4	5.2			
Other or not reported	0.6	9.1	Range of operation	100.0	100.0
			Local	79.5	64.7
Vehicle size	100.0	100.0	Short-range	14.6	22.1
Light	94.7	29.6	Long-range	2.6	8.4
Medium	2.2	26.7	Off-the-road or not	3.4	4.9
Light-heavy	0.7	9.4	reported		
Heavy-heavy	2.4	34.3			
			Fuel type	100.0	100.0
Annual miles driven	100.0	100.0	Gasoline	94.9	44.0
Less than 5,000	14.3	23.1	Diesel, liquefied gas,	4.9	54.4
5,000 to 9,999	18.8	17.0	and other		
10,000 to 19,999	45.9	23.6	Not reported	0.1	1.6
20,000 to 29,999	16.3	13.9			
30,000 or more	4.8	22.4			

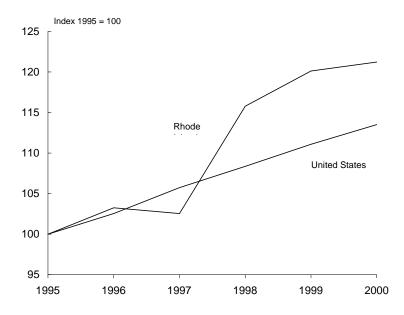
KEY: NA = not applicable; V = less than 0.05 percent.

SOURCE: U.S. Department of Commerce, U.S. Census Bureau, *Vehicle Inventory and Use Survey,* state-specific report, Washington, DC: 1999, available at http://www.census.gov/econ/www/viusmain.html as of Dec. 27, 2001.

Table 5-4: Highway Vehicle-Miles Traveled (VMT): 2000

9	Total VMT (millions)	VMT per capita	State	Total VMT (millions)
bama	56,534	12,716	Montana	9,882
ska	4,613	7,501	Nebraska	18,081
zona	49,768	11,428	Nevada	17,639
ansas	29,167	11,107	New Hampshire	12,021
fornia	306,649	9,053	New Jersey	67,446
orado	41,771	9,712	New Mexico	22,760
nnecticut	30,756	9,057	New York	129,057
laware	8,240	10,510	North Carolina	89,504
st. of Columbia	3,498	6,115	North Dakota	7,217
orida	152,136	9,609	Ohio	105,898
orgia	105,010	12,969	Oklahoma	43,355
waii	8,543	7,014	Oregon	35,010
ho	13,534	10,467	Pennsylvania	102,337
ois	102,866	8,225	Rhode Island	8,359
ana	70,862	12,779	South Carolina	45,538
a	29,433	10,059	South Dakota	8,432
isas	28,130	10,599	Tennessee	65,732
ntucky	46,803	11,579	Texas	220,064
uisiana	40,849	9,430	Utah	22,597
ine	14,190	11,129	Vermont	6,811
ryland	50,174	9,809	Virginia	74,801
ssachusetts	52,796	8,513	Washington	53,330
higan	97,792	9,839	West Virginia	19,242
nesota	52,601	10,693	Wisconsin	57,266
sissippi	35,536	12,187	Wyoming	8,090
souri	67,083	11,990	United States	2,749,803

Figure 5-1: Highway Vehicle-Miles Traveled, United States and Rhode Island



SOURCE FOR DATA ON THIS PAGE: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, annual editions, available at http://www.fhwa.dot.gov/ohim/ohimstat.htm as of Dec. 6, 2001.

Table 5-5: Highway, Demographic, and Geographic Characteristics of Urbanized Areas in Rhode Island: 2000

Federal-aid urbanized area ¹	Total roadway miles	Total DVMT (thousands)	(thousands	Net land area (square miles)	Persons per square mile	Miles of roadway per thousand persons	Total DVMT per capita	Total estimated freeway lane miles ²	Average daily traffic per freeway lane mile
Providence-Pawtucket, RI-MA	4,399	20,446	907	515	1,761	4.9	22.5	645	13,130
Newport	364	913	62	40	1,550	5.9	14.7	0	NA

¹A "federal-aid urbanized area" is an area with 50,000 or more persons that, at a minimum, encompasses the land area delineated as the urbanized area by the U.S. Census Bureau. Areas are ranked by population. ²Lane miles estimated by the Federal Highway Administration (FHWA).

KEY: DVMT = daily vehicle-miles of travel; NA = not applicable.

SOURCE: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics*, 2000, Washington, DC: 2001, available at http://www.fhwa.dot.gov/ohim/ohimstat.htm as of Dec. 6, 2001.

Table 5-6: Rhode Island and U.S. Recreational Boat Registrations by Propulsion Type

	Rhode	Island	United States		
	1999	2000	1999	2000	
Total	36,522	40,265	12,738,271	12,782,143	
Powered	36,522	40,265	11,811,562	11,648,769	
Nonpowered	0	0	481,191	547,271	
Other	0	0	445,518	590,103	

NOTE: Data are derived from reports of states and other jurisdictions with varying registration categories. "Other" includes boats not elsewhere classified by the reporting jurisdiction.

Thousands

40

40

33

34

35

37

40

20

10

1996

1997

1998

1999

2000

Figure 5-2: Rhode Island Recreational Boat Registrations

NOTES FOR DATA ON THIS PAGE: U.S. totals include Guam, Puerto Rico, the Virgin Islands, American Samoa, and the Northern Mariana Islands. Rhode Island statistics include all watercraft except rowboats, canoes, kayaks, and ferries. U.S. total does not include sailboards, which are numbered in some states.

SOURCES FOR DATA ON THIS PAGE: U.S. Department of Transportation, U.S. Coast Guard, *Boating Statistics, 2000* and *Boating Statistics, 1999*, Washington, DC: 2001, available at http://www.uscgboating.org/Saf/pdf/Boating_Statistics_2000.pdf and 1999.pdf as of Nov. 14, 2001.

Table 5-7: General Aviation and Air Taxi Aircraft and Hours Flown: 2000

(Excludes commuter aircraft)

		Hours flown
State	Active aircraft	(thousands)
Alabama	3,480	462
Alaska	5,925	692
Arizona	6,062	824
Arkansas	2,660	442
California	23,454	3,183
Colorado	5,246	651
Connecticut	1,793	241
Delaware	2,068	303
District of Columbia	152	13
Florida	14,096	2,299
Georgia	4,809	702
-lawaii	435	184
daho	2,328	336
llinois	7,478	998
ndiana	3,964	503
lowa	2,772	331
Kansas	3,611	494
Kentucky	2,033	244
_ouisiana	3,012	677
Maine	1,086	114
Maryland	3,436	487
Massachusetts	2,717	329
Michigan	7,236	935
Minnesota	5,141	707
Mississippi	2,038	256
Missouri	3,777	545
Vontana	2,374	271
Nebraska	2,013	275
Nevada	2,715	774
New Hampshire	1,485	203
New Jersey	3,791	583
New Mexico	2,990	430
New York	6,082	816
North Carolina	5,620	769
North Carolina North Dakota	1,585	419
Ohio	6,486	840
Oklahoma	4,080	648
Oregon	4,687	564
Pennsylvania	5,648	724
-	•	45
Rhode Island	393	
South Carolina	2,689	387
South Dakota	1,376	157
Tennessee	4,228	638
Гехаѕ	18,869	2,980
Jtah	1,673	234
/ermont	600	57
√irginia	3,354	414
Washington	7,166	912
West Virginia	1,075	136
Wisconsin	4,649	590
Wyoming	778	98
Jnited States, total	217,215	30,916

NOTE: These data are derived from a sample survey of general aviation and air taxi aircraft. The data are estimates subject to sampling as well as nonsampling error.

SOURCE: U.S. Department of Transportation, Federal Aviation Administration, *General Aviation and Air Taxi Activity Survey: 2000,* Washington, DC: 2002, available at http://www.api.faa.gov/GASurvey/index.htm as of July 22, 2002.

Table 5-8: Active Aviation Pilots and Flight Instructors: 2000¹

			Α	irplane pilots ²			
		-		Commercia	Airline	•	Flight
State	Total	Students	Private	1	transport	Misc.3	instructor4
Alabama	7,262	1,170	3,065	1,649	1,084	294	920
Alaska	8,638	833	3,686	2,130	1,906	83	1,118
Arizona	17,429	2,329	6,508	3,345	4,654	593	2,617
Arkansas	4,988	776	2,153	1,206	788	65	634
California	71,053	10,173	31,571	13,448	12,786	3,075	8,984
Colorado	17,539	2,320	6,256	3,144	5,138	681	2,549
Connecticut	6,523	944	2,714	989	1,648	228	837
Delaware	1,462	245	532	236	413	36	233
District of Columbia	476	86	191	99	69	31	45
Florida	47,191	6,672	16,324	10,059	13,267	869	6,890
Georgia	18,087	2,441	6,053	2,845	6,448	300	2,107
Hawaii	2,927	471	611	587	1,031	227	399
Idaho	4,480	581	2,148	950	711	90	535
Illinois	21,521	3,497	9,168	3,832	4,606	418	3,054
Indiana	11,715	1,874	5,728	2,091	1,867	155	1,488
Iowa	6,135	912	3,372	1,130	667	54	771
Kansas	8,412	1,169	4,136	1,729	1,268	110	1,184
Kentucky	6,720	988	2,397	1,155	2,104	76	919
Louisiana	5,894	911	2,224	1,474	1,035	250	701
Maine	3,105	444	1,494	608	522	37	384
Maryland	8,383	1,217	3,499	1,535	1,869	263	1,194
Massachusetts	9,692	1,583	4,535	1,711	1,480	383	1,242
Michigan	17,755	3,008	8,517	3,008	2,852	370	2,388
Minnesota	15,530	2,244	6,728	2,949	3,417	192	2,025
Mississippi	4,111	594	1,595	1,086	750	86	490
Missouri	11,070	1,549	5,008	2,045	2,312	156	1,548
Montana	3,613	481	1,718	878	469	67	431
Nebraska	4,141	654	2,054	884	524	25	432
Nevada	6,270	691	2,131	1,141	2,095	212	864
New Hampshire	4,242	499	1,544	676	1,417	106	613
New Jersey	11,403	1,826	4,909	1,833	2,417	418	1,517
New Mexico	4,406	787	1,788	916	772	143	549
New York	18,649	3,628	8,020	3,305	2,819	877	2,516
North Carolina	14,769	2,148	6,144	2,600	3,615	262	1,732
North Dakota	2,458	401	1,153	688	199	17	292
Ohio	19,301	3,065	8,602	3,338	3,857	439	2,839
Oklahoma	8,654	1,392	3,839	1,893	1,453	77	1,180
Oregon	9,942	1,625	4,972	1,910	1,175	260	1,123
Pennsylvania	18,022	2,683	7,604	3,075	4,124	536	2,575
Rhode Island	1,216	184	569	210	223	30	136
South Carolina	6,363	933	2,708	1,343	1,244	135	714
South Dakota	2,230	328	1,034	549	302	17	263
Tennessee	12,132	1,675	4,351	2.024	3,826	256	1,600
Texas	48,396	6,613	16,857	9,044	14,839	1.043	6,487
Utah	6,591	1,205	2,678	1,116	1,468	1,043	768
Vermont	1,487	220	681	261	264	61	162
Virginia	14,640	1,987	5,114	2,835	4,299	405	2,055
Washington	21,116	2,929	5,114 8,170	2,635 3,896	4,299 5,535	586	2,055
West Virginia	1,992	312	953	3,696 399	293	35	2,656
Wisconsin	1,992	1,768	5,682	399 1,884	1,830	35 111	1,455
Wyoming	1,812	254	901	354	273	30	1,455
United States, total	593,218	87,319	244,389	112,092	134,024	15,394	78,686
OTHIEU States, IUIAI	J33,Z10	01,319	244,309	112,092	104,024	15,554	10,000

¹An active pilot is a person who holds a pilot certificate and a valid medical certificate issued within the last 25 months.

NOTE: Excludes U.S. military personnel holding civilian certificates who are stationed in a foreign country and pilots in U.S. territories.

SOURCE: U.S. Department of Transportation, Federal Aviation Administration, *U.S. Civil Airmen Statistics 2000*, Washington, DC: 2002, available at http://www.api.faa.gov/CivilAir/index.htm as of July 22, 2002.

²Includes pilots with an airplane only certificate and those with an airplane and a helicopter and/or glider certificate.

³Includes helicopter, glider, and recreational pilots. Does not include pilots holding an airplane certificate. A recreational pilot may fly no more than one passenger in a light, single engine aircraft with no more than four seats during good weather and daylight hours and, unless authorized, no more than 50 miles from the home airport.

⁴Not included in total. A flight instructor must hold a flight instructor certificate in addition to a pilot certificate.

Table 6-1: Transportation and Warehousing Establishments and Employment in Rhode Island: 1999

Business type	Establishments 1 (number)	Number of employees	Annual payroll (\$ thousands)
Total transportation and warehousing	585	6,849	185
Air transportation	13	250-499	D
Water transportation	12	20-99	D
Truck transportation	285	1,000-2,499	D
Transit and ground passenger transportation	93	2,138	33
Pipeline transportation	3	20-99	D
Scenic and sightseeing transportation	18	100-249	D
Support activities for transportation	106	1,043	31
Couriers and messengers	38	587	17
Warehousing and storage	17	100-249	D

KEY: D = withheld to avoid disclosing data for individual companies.

Table 6-2: Transportation and Warehousing Establishments and Employment in the United States: 1999

Business type	Establishments 1 (number)	Number of employees	Annual payroll (\$ thousands)
Total transportation and warehousing	187,339	3,627,057	116,682,214
Air transportation	5,285	582,838	24,414,357
Water transportation	1,950	71,844	3,039,510
Truck transportation	108,749	1,384,178	43,626,168
Transit and ground passenger transportation	16,254	370,022	6,729,332
Pipeline transportation	2,550	48,149	3,032,689
Scenic and sightseeing transportation	2,267	22,877	540,702
Support activities for transportation	31,392	440,175	14,915,625
Couriers and messengers	11,938	578,368	16,725,960
Warehousing and storage	6,954	128,606	3,657,871

¹ The transportation and warehousing sector (North American Industrial Classification System [NAICS] 48 and 49) includes industries providing transportation of passengers and cargo, warehousing and storage for goods, scenic and sightseeing transportation, and support activities related to modes of transportation. Establishments in these industries use transportation equipment or transportation related facilities as a productive asset. The type of equipment depends on the mode of transportation. The modes of transportation comprise air, rail, water, road, and pipeline.

SOURCE FOR DATA ON THIS PAGE: U.S. Department of Commerce, U.S. Census Bureau, *1999 County Business Patterns*, Washington, DC: May 2001, available at http://www.census.gov/epcd/cbp/map/99data/06/999.txt as of Oct. 25, 2001.

Table 6-3: Transportation Revenues Collected by State and Local Governments in Rhode Island (\$ millions)

	19	95	19	96	19	97	19	998	19	999
Mode	State	Local								
Total (current \$)	216	2	209	2	231	3	230	2	230	3
Highway	188	1	190	1	182	1	189	1	184	1
Transit	8	Z	8	Z	9	Z	10	Z	11	Z
Air	21	Z	11	Z	40	Z	31	Z	36	1
Water	Z	1	Z	1	Z	2	Z	1	Z	1
Total (chained 1996 \$	221	2	209	2	226	2	220	2	215	3
Highway	192	1	190	1	178	1	181	1	172	1
Transit	8	Z	8	Z	9	Z	9	Z	10	Z
Air	21	Z	11	Z	39	Z	30	Z	33	Z
Water	Z	1	Z	1	Z	2	Z	1	Z	1

Table 6-4: Transportation Expenditures by State and Local Governments in Rhode Island¹ (\$ millions)

	19	95	19	96	19	97	19	998	199	9
Mode	State	Local								
Total (current \$)	403	53	300	56	283	60	264	55	357	67
Highway	266	53	210	55	192	59	190	55	232	66
Transit	63	Z	64	Z	58	Z	61	Z	80	Z
Air	72	Z	24	Z	33	Z	13	Z	44	Z
Water	1	Z	1	Z	1	1	1	1	2	1
Total (chained 1996 \$	412	55	300	56	276	58	254	53	333	63
Highway	272	54	210	55	187	58	182	52	217	62
Transit	64	Z	64	Z	57	Z	58	Z	74	Z
Air	74	Z	24	Z	32	Z	12	Z	41	Z
Water	1	Z	1	Z	1	1	1	1	2	1

¹ Includes federal grants.

KEY FOR DATA ON THIS PAGE: Z = zero or less than 1 unit of measure.

NOTE FOR DATA ON THIS PAGE: Dollars are converted using a chain-type price index from U.S. Department of Commerce, Bureau of Economic Analysis, *National Income and Product Accounts Tables*, Washington, DC: 2001, table 7.1, available at http://www.bea.doc.gov/bea/dn/nipaweb/ as of Dec. 12, 2001.

SOURCE FOR DATA ON THIS PAGE: U.S. Department of Commerce, U.S. Census Bureau, *State and Local Government Finance Estimates*, available at ftp://ftp.census.gov/pub/outgoing/govs/ as of October 2001.

Table 6-5: State Motor-Fuel Tax Rates: 2000 (Cents per gallon)

State Gasoline Diesel m gas Gasolol¹ Alabama 18.00 19.00 17.00 18.00 Alaska 8.00 8.00 0.00 0.00 Arizona 18.00 27.00 18.00 18.00 Arkansas 19.50 20.50 16.50 18.60 Colorado 22.00 20.50 20.50 22.00 Connecticut 32.00 18.00 0.00 31.00 Delaware 23.00 22.00 22.00 22.00 District of Columbia 13.10 25.10 16.00 13.10 Blorida 13.10 25.10 16.00 13.10 Georgia 7.50 7.50 7.50 7.50 Hawaii 16.00 16.00 11.00 16.00 Idaho 25.00 25.00 18.10 22.50 Illinois 19.00 21.50 19.00 19.00 Indiana 15.00 16.00 0.00 15.00	, ,			Liquified	
Alabama 18.00 19.00 17.00 18.00 Alaska 8.00 8.00 0.00 0.00 Arizona 18.00 27.00 18.00 18.00 Arkansas 19.50 20.50 16.50 18.60 California 18.00 18.00 6.00 18.00 Colorado 22.00 20.50 20.50 22.00 Connecticut 32.00 18.00 0.00 31.00 Delaware 23.00 22.00 22.00 23.00 District of Columbia 10.00 20.00 20.00 20.00 Florida 13.10 25.10 16.00 13.10 Georgia 7.50 7.50 7.50 7.50 Hawaii 16.00 16.00 11.00 16.00 Idaho 25.00 25.00 18.10 22.50 Illinois 19.00 21.50 19.00 19.00 Indiana 15.00 16.00 0.00 19.00 <	State	Gasolina	Diesel	petroleu	Gasobol ¹
Alaska 8.00 8.00 0.00 0.00 Arizona 18.00 27.00 18.00 18.00 Arixansas 19.50 20.50 16.50 18.60 California 18.00 18.00 6.00 18.00 Colorado 22.00 22.00 20.50 22.00 Connecticut 32.00 18.00 0.00 31.00 Delaware 23.00 22.00 22.00 23.00 Florida 13.10 25.10 16.00 13.10 Georgia 7.50 7.50 7.50 7.50 Hawaii 16.00 16.00 11.00 16.00 Idaho 25.00 25.00 18.10 22.50 Illinois 19.00 21.50 19.00 19.00 Idaho 25.00 25.00 18.10 22.50 Illinois 19.00 21.50 19.00 19.00 Idaho 21.50 22.00 19.00 19.00					
Arizona 18.00 27.00 18.00 18.00 Arkansas 19.50 20.50 16.50 18.60 California 18.00 18.00 6.00 18.00 Colorado 22.00 20.50 20.50 22.00 Connecticut 32.00 18.00 0.00 31.00 Delaware 23.00 22.00 22.00 23.00 District of Columbia 20.00 20.00 20.00 20.00 Florida 13.10 25.10 16.00 13.10 Georgia 7.50 7.50 7.50 7.50 Hawaii 16.00 16.00 11.00 16.00 Idaho 25.00 25.00 18.10 22.50 Illinois 19.00 21.50 19.00 19.00 Indiana 15.00 16.00 0.00 15.00 Ilowa 20.00 22.50 20.00 19.00 Kansas 20.00 22.50 20.00 16.00					
Arkansas 19.50 20.50 16.50 18.60 California 18.00 18.00 6.00 18.00 Colorado 22.00 20.50 20.50 22.00 Connecticut 32.00 18.00 0.00 31.00 Delaware 23.00 22.00 22.00 23.00 District of Columbia 20.00 20.00 20.00 20.00 Florida 13.10 25.10 16.00 13.10 Georgia 7.50 7.50 7.50 7.50 Hawaii 16.00 16.00 11.00 16.00 Idaho 25.00 25.00 18.10 22.50 Illinois 19.00 21.50 19.00 19.00 Indiana 15.00 16.00 0.00 15.00 Iowa 20.00 22.50 20.00 19.00 Kentucky 16.40 13.40 15.00 19.00 Kentucky 16.40 13.40 15.00 19.00					
California 18.00 18.00 6.00 18.00 Colorado 22.00 20.50 20.50 22.00 Connecticut 32.00 18.00 0.00 31.00 Delaware 23.00 22.00 22.00 23.00 District of Columbia 20.00 20.00 20.00 20.00 Florida 13.10 25.10 16.00 13.10 Georgia 7.50 7.50 7.50 7.50 Hawaii 16.00 16.00 11.00 16.00 Idaho 25.00 25.00 18.10 22.50 Illinois 19.00 21.50 19.00 19.00 Indiana 15.00 16.00 0.00 15.00 Iowa 20.00 22.50 20.00 19.00 Kansas 20.00 22.00 19.00 20.00 Kansas 20.00 22.00 19.00 20.00 Maine 19.00 20.00 16.00 20.00 <td>Arkansas</td> <td>19.50</td> <td>20.50</td> <td>16.50</td> <td></td>	Arkansas	19.50	20.50	16.50	
Colorado 22.00 20.50 20.50 22.00 Connecticut 32.00 18.00 0.00 31.00 Delaware 23.00 22.00 22.00 23.00 District of Columbia 20.00 20.00 20.00 20.00 Florida 13.10 25.10 16.00 13.10 Georgia 7.50 7.50 7.50 7.50 Hawaii 16.00 116.00 110.00 16.00 Idaho 25.00 25.00 18.10 22.50 Illinois 19.00 21.50 19.00 19.00 Indiana 15.00 16.00 0.00 15.00 Indiana 15.00 16.00 0.00 15.00 Indiana 15.00 16.00 0.00 19.00 Kansas 20.00 22.00 19.00 20.00 Kentucky 16.40 13.40 15.00 20.00 Kentucky 16.40 13.40 15.00 20.00	California	18.00	18.00		
Delaware 23.00 22.00 22.00 23.00 District of Columbia 20.00 20.00 20.00 20.00 Florida 13.10 25.10 16.00 13.10 Georgia 7.50 7.50 7.50 7.50 Hawaii 16.00 16.00 11.00 16.00 Idaho 25.00 25.00 18.10 22.50 Illinois 19.00 21.50 19.00 19.00 Indiana 15.00 16.00 0.00 15.00 Indiana 15.00 16.00 0.00 15.00 Iowa 20.00 22.50 20.00 19.00 Kansas 20.00 22.00 19.00 20.00 Kansas 20.00 20.00 16.00 20.00 Kansas 20.00 20.00 16.00 20.00 Maine 19.00 20.00 16.00 20.00 Maine 19.00 20.00 18.00 19.00	Colorado	22.00	20.50		
District of Columbia 20.00 20.00 20.00 20.00 Florida 13.10 25.10 16.00 13.10 26.00 7.50 7.50 7.50 7.50 7.50 7.50 7.50 16.00 19.00 19.00 16.00 19.00 19.00 16.00 19.00 19.00 16.00 19.00 19.00 16.00 16.00 19.00 16.00 16.00 19.00 16.00 16.00 16.00 19.00 16	Connecticut	32.00	18.00	0.00	31.00
Florida	Delaware	23.00	22.00	22.00	23.00
Georgia 7.50 7.50 7.50 7.50 Hawaii 16.00 16.00 11.00 16.00 Idaho 25.00 25.00 18.10 22.50 Illinois 19.00 21.50 19.00 19.00 Indiana 15.00 16.00 0.00 15.00 Iowa 20.00 22.50 20.00 19.00 Kansas 20.00 22.00 19.00 20.00 Kentucky 16.40 13.40 15.00 16.40 Louisiana 20.00 20.00 16.00 20.00 Maine 19.00 20.00 16.00 20.00 Maine 19.00 20.00 18.00 19.00 Maryland 23.50 24.25 23.50 23.50 Massachusetts 21.00 21.00 8.10 21.00 Michigan 19.00 15.00 15.00 19.00 Michigan 19.00 15.00 15.00 20.00	District of Columbia	20.00	20.00	20.00	20.00
Hawaii	Florida	13.10	25.10	16.00	13.10
Idaho	Georgia	7.50	7.50	7.50	7.50
Illinois	Hawaii	16.00	16.00	11.00	16.00
Indiana	Idaho	25.00	25.00	18.10	22.50
lowa 20.00 22.50 20.00 19.00 Kansas 20.00 22.00 19.00 20.00 Kentucky 16.40 13.40 15.00 16.40 Louisiana 20.00 20.00 16.00 20.00 Maine 19.00 20.00 18.00 19.00 Maryland 23.50 24.25 23.50 23.50 Massachusetts 21.00 21.00 8.10 21.00 Michigan 19.00 15.00 15.00 19.00 Minnesota 20.00 20.00 15.00 19.00 Missouri 17.00 17.00 17.00 17.00 Missouri 17.00 17.00 17.00 17.00 Mortana 27.00 27.75 0.00 27.00 Nebraska 22.80 22.80 22.80 22.80 Newda 24.75 27.75 22.00 24.75 New Hampshire 19.50 19.50 18.50 19.50	Illinois	19.00	21.50	19.00	19.00
Kansas 20.00 22.00 19.00 20.00 Kentucky 16.40 13.40 15.00 16.40 Louisiana 20.00 20.00 16.00 20.00 Maine 19.00 20.00 18.00 19.00 Maryland 23.50 24.25 23.50 23.50 Massachusetts 21.00 21.00 8.10 21.00 Michigan 19.00 15.00 15.00 19.00 Minnesota 20.00 20.00 15.00 19.00 Minnesota 20.00 20.00 15.00 19.00 Mississippi 18.40 18.40 17.00 27.00 22.80 22.80 22.80 22.80 22.80 22.80 22.80	Indiana	15.00	16.00	0.00	15.00
Kentucky 16.40 13.40 15.00 16.40 Louisiana 20.00 20.00 16.00 20.00 Maine 19.00 20.00 18.00 19.00 Maryland 23.50 24.25 23.50 23.50 Massachusetts 21.00 21.00 8.10 21.00 Michigan 19.00 15.00 15.00 19.00 Minnesota 20.00 20.00 15.00 20.00 Mississisppi 18.40 18.40 17.00 17.00 Missouri 17.00 17.00 17.00 17.00 Mortana 27.00 27.75 0.00 27.00 Nebraska 22.80 22.80 22.80 22.80 New Hampshire 19.50 19.50 18.00 19.50 New Jersey 10.50 13.50 5.25 10.50 New York 29.30 27.95 8.00 29.30 North Dakota 21.00 21.00 21.00	Iowa	20.00	22.50	20.00	19.00
Louisiana 20.00 20.00 16.00 20.00 Maine 19.00 20.00 18.00 19.00 Maryland 23.50 24.25 23.50 23.50 Massachusetts 21.00 21.00 8.10 21.00 Michigan 19.00 15.00 15.00 19.00 Minnesota 20.00 20.00 15.00 20.00 Mississippi 18.40 18.40 17.00 17.00 18.40 Missouri 17.00 17.00 17.00 17.00 17.00 17.00 Montana 27.00 27.75 0.00 27.00 Nebraska 22.80 22.80 22.80 22.80 Newdaa 24.75 27.75 22.00 24.75 New Hampshire 19.50 18.00 19.50 New Hampshire 19.50 19.50 18.00 19.50 New Mexico 18.50 19.50 0.00 18.50 New York 29.30 27.95 8.00 29.30 <td></td> <td>20.00</td> <td></td> <td>19.00</td> <td>20.00</td>		20.00		19.00	20.00
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¹ Tax rates for gasoline blended with 10 percent ethanol.

NOTE: Tax rates in effect as of Jan. 1, 2000.

SOURCE: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2000*, Washington, DC: 2001, table MF-121T.

G Energy and Environment

Table 7-1: Transportation Energy Consumption: 1999 (Trillion Btu)

				Petrole	um						Electrical	
	Matrical	Distillate		M-4							system	
.	Natural	fuel		Motor	Residual	- · · 3		4			energy 5	
State Alabama	gas ¹ 22.9	(diesel)	Jet fuel 11.1	gasoline ² 298.0	fuel 6.5	Other ³	Total 437.8		0.0	Net energy 460.7	losses ⁵	Total 460.7
	22.9 4.5	118.4 21.5	134.1	298.0 32.9	1.7	3.7	437.8 193.5	S 0.4	0.0	460.7 198.0	0.0 0.0	460.7 198.0
Alaska Arizona	4.5 19.0	92.0	54.6	283.9	0.0	3.3 3.1	433.5	1.3	0.0	452.5	0.0	452.5
	9.1	92.0 84.5	25.9	263.9 172.6	0.0	5.1 5.1	433.5 288.0	0.0	0.0	452.5 297.2	0.0	297.2
Arkansas California	12.9	373.3	559.5	1,749.0	175.3	23.6	2,880.6	4.9	1.8	2,895.3	3.6	2,898.9
Colorado	8.4	67.8	44.2	241.5	0.0	3.9	357.4	4.5	1.6 S	365.8	3.0 S	365.9
Connecticut	0.4	34.4	13.9	183.9	0.0	3.9 1.9	234.2	0.3	0.0	234.9	0.0	234.9
Delaware	0.8	8.6	0.6	47.7	13.2	0.5	70.6	0.0	0.0	70.6	0.0	70.6
Dist. of Columbia	0.1	3.6	0.0	20.5	0.0	0.3	24.5	0.0	0.6	25.3	1.2	26.5
Florida	7.2	210.3	164.3	897.5	57.4	8.7	1,338.1	0.0	0.0	1,345.4	0.4	1,345.8
Georgia	9.1	196.7	86.8	566.9	5.7	5.2	861.3	0.0	0.2	870.8	0.4	871.4
Hawaii	0.0	9.1	53.7	45.8	12.9	0.8	122.3	0.0	0.0	122.3	0.0	122.3
Idaho	4.7	34.0	4.9	80.8	0.0	1.2	121.0	0.0	0.0	125.7	0.0	125.7
Illinois	55.3	202.6	103.4	612.7	0.0	11.8	930.8	20.3	1.5	987.5	2.9	990.5
Indiana	14.6	186.4	63.5	373.7	1.9	5.1	630.6	9.0	0.1	645.3	0.1	645.4
lowa	7.9	74.9	5.0	185.9	0.0	3.8	269.6	6.7	0.1 S	277.5	S	277.5
Kansas	31.6	60.5	19.7	170.7	0.0	5.2	256.2	0.7	0.0	287.8	0.0	287.8
Kentucky	17.2	122.9	39.5	261.0	0.0	3.6	427.0	0.3	0.0	444.2	0.0	444.2
Louisiana	50.0	147.4	192.9	255.9	153.5	5.1	754.9	0.3	S	804.9	S	804.9
Maine	0.0	22.2	4.9	83.7	1.4	1.0	113.2	0.0	S	113.2	S	113.2
Maryland	3.4	73.3	22.3	295.0	7.4	2.2	400.3	0.0	0.5	404.1	1.0	405.1
Massachusetts	2.8	57.0	45.8	328.7	0.2	4.1	435.7	0.0	0.8	439.2	1.6	440.8
Michigan	23.3	132.7	51.7	624.5	0.3	12.2	821.4	3.4	S	844.7	S	844.8
Minnesota	22.5	93.4	71.4	306.5	S	5.8	477.1	19.5	0.0	499.6	0.0	499.6
Mississippi	66.1	81.2	54.8	196.2	6.9	3.6	342.7	0.0	0.0	408.9	0.0	408.9
Missouri	6.8	172.0	72.3	364.6	S	6.6	615.6	1.4	0.1	622.5	0.1	622.6
Montana	6.1	34.7	4.7	59.1	0.0	1.9	100.4	S	0.0	106.5	0.0	106.5
Nebraska	2.9	76.9	8.9	103.1	0.0	2.7	191.5	2.1	0.0	194.4	0.0	194.4
Nevada	0.9	36.9	47.4	111.7	0.0	0.9	196.9	2.3	0.0	197.8	0.0	197.8
New Hampshire	S	14.5	4.6	80.8	S	0.5	100.5	0.0	0.0	100.5	0.0	100.5
New Jersey	4.3	120.9	206.1	476.6	48.9	5.1	857.6	0.7	0.5	862.4	0.9	863.3
New Mexico	47.4	55.5	15.4	113.7	0.0	1.9	186.5	2.0	0.0	233.9	0.0	233.9
New York	8.6	147.5	51.7	690.6	47.1	7.3	944.2	1.2	9.1	961.9	17.7	979.6
North Carolina	10.9	132.6	38.6	502.6	1.0	5.3	680.0	3.0	0.0	690.9	0.0	690.9
North Dakota	9.9	26.0	2.3	43.0	0.0	1.2	72.5	0.4	0.0	82.4	0.0	82.4
Ohio	18.5	222.5	93.3	623.2	0.1	11.1	950.2	19.6	0.2	968.9	0.3	969.2
Oklahoma	24.5	111.7	37.3	223.3	0.0	5.7	378.0	0.0	0.0	402.5	0.0	402.5
Oregon	10.9	70.2	36.5	188.0	18.0	4.3	317.0	1.1	0.1	328.0	0.2	328.2
Pennsylvania	37.3	197.6	90.4	607.0	37.8	9.7	942.6	1.0	1.3	981.3	2.6	983.9
Rhode Island	0.3	9.3	6.0	49.8	S	0.5	65.6	0.0	0.0	65.9	0.0	65.9
South Carolina	3.7	85.8	8.7	273.0	2.8	2.3	372.7	0.0	0.0	376.4	0.0	376.4
South Dakota	6.1	21.1	4.4	51.5	0.0	1.3	78.2	1.8	0.0	84.3	0.0	84.3
Tennessee	25.9	131.7	67.0	360.3	0.0	5.1	564.2	0.0	S	590.1	S	590.1
Texas	73.0	479.2	594.8	1,252.3	131.9	17.6	2,475.8	4.8	0.1	2,548.8	0.1	2,549.0
Utah	2.8	45.1	42.2	119.2	0.0	1.7	208.2	0.9	S	211.1	S	211.1
Vermont	S	12.3	0.8	39.7	0.0	0.4	53.2	0.0	0.0	53.2	0.0	53.2
Virginia	8.3	142.3	52.8	438.1	9.2	3.9	646.5	2.8	0.3	655.1	0.6	655.7
Washington	8.2	95.9	125.6	325.2	57.4	4.6	608.9	2.5	0.1	617.1	0.1	617.3
West Virginia	31.5	46.9	1.0	100.5	0.0	1.7	150.1	S	0.0	181.6	0.0	181.6
Wisconsin	4.2	101.0	19.3	303.0	S	4.3	427.6	2.5	S	431.8	S	431.8
Wyoming	14.5	62.4	1.0	39.8	0.0	2.2	105.3	0.0	0.0	119.8	0.0	119.8
_ ,	761.1	5,160.9	3,461.8	15,855.4	798.9	234.8	25,511.8	121.6	17.5	26,290.3	34.3	26,324.6

¹ Includes supplemental gaseous fuels. Transportation use of natural gas is consumed in the operation of pipelines, primarily in compressors, or consumed as vehicle fuel.

KEY: Btu = British thermal unit; S = less than 0.05 trillion Btu.

NOTE: Totals may not equal sum of components due to rounding.

SOURCE: U.S. Department of Energy, Energy Information Administration, State Energy Data Report 1999, Washington, DC: May 2001, table 7, available at http://www.eia.doe.gov/pub/state.data/pdf/sedr.pdf as of Feb. 21, 2002.

 $^{^{\}rm 2}\, {\rm Includes}$ ethanol blended into motor gasoline.

³ Other is the sum of aviation gasoline, liquefied petroleum gas (LPG), and lubricants.

⁴ Ethanol blended into motor gasoline is included in motor gasoline, but is also shown separately to display the use of renewable energy by the transportation sector. It is counted only once in the total.

⁵ Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

Table 7-2: Energy Consumption by End-Use Sector: 1999 (Trillion Btu)

		End-use sectors ²							
	Total energy	Transport	ation	Residen	ntial	Commer	cial	Indust	rial
State	consumed ¹	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	2,004.8	460.7	23.0	341.0	17.0	226.3	11.3	976.7	48.7
Alaska	694.7	198.0	28.5	47.7	6.9	63.1	9.1	385.9	55.5
Arizona	1,219.8	452.5	37.1	279.0	22.9	266.7	21.9	221.6	18.2
Arkansas	1,203.7	297.2	24.7	193.3	16.1	123.8	10.3	589.4	49.0
California	8,375.4	2,898.9	34.6	1,416.2	16.9	1,236.5	14.8	2,823.7	33.7
Colorado	1,155.5	365.9	31.7	261.4	22.6	255.1	22.1	273.1	23.6
Connecticut	839.3	234.9	28.0	245.2	29.2	196.8	23.4	162.4	19.3
Delaware	278.8	70.6	25.3	56.0	20.1	44.8	16.1	107.4	38.5
District of Columbia	169.8	26.5	15.6	33.5	19.7	106.2	62.5	3.7	2.2
Florida	3,852.9	1,345.8	34.9	1,017.8	26.4	809.5	21.0	679.8	17.6
Georgia	2,798.1	871.4	31.1	553.1	19.8	416.3	14.9	957.3	34.2
Hawaii	241.4	122.3	50.7	23.0	9.5	24.8	10.3	71.3	29.5
Idaho	518.3	125.7	24.3	95.9	18.5	86.9	16.8	209.8	40.5
Illinois	3,882.6	990.5	25.5	897.4	23.1	722.0	18.6	1,272.6	32.8
Indiana	2,735.8	645.4	23.6	483.6	17.7	300.7	11.0	1,306.2	47.7
Iowa	1,121.7	277.5	24.7	222.5	19.8	158.5	14.1	463.3	41.3
Kansas	1,050.0	287.8	27.4	200.9	19.1	169.2	16.1	392.2	37.4
Kentucky	1,830.2	444.2	24.3	315.9	17.3	219.0	12.0	851.1	46.5
Louisiana	3,615.4	804.9	22.3	325.0	9.0	236.5	6.5	2,249.0	62.2
Maine	528.6	113.2	21.4	97.6	18.5	57.6	10.9	260.2	49.2
Maryland	1,378.2	405.1	29.4	358.6	26.0	337.1	24.5	277.4	20.1
Massachusetts	1,569.1	440.8	28.1	411.7	26.2	325.2	20.7	391.4	24.9
Michigan	3,239.6	844.8	26.1	744.3	23.0	568.1	17.5	1,082.5	33.4
Minnesota	1,675.3	499.6	29.8	340.2	20.3	217.9	13.0	617.7	36.9
Mississippi	1,208.5	408.9	33.8	202.6	16.8	145.6	12.0	451.4	37.4
Missouri	1,768.0	622.6	35.2	431.7	24.4	334.1	18.9	379.6	21.5
Montana	412.4	106.5	25.8	61.8	15.0	48.0	11.6	196.1	47.6
Nebraska	602.0	194.4	32.3	130.0	21.6	111.3	18.5	166.2	27.6
Nevada	615.3	197.8	32.1	122.4	19.9	97.1	15.8	198.0	32.2
New Hampshire	335.4	100.5	30.0	81.9	24.4	56.2	16.8	96.9	28.9
New Jersey	2,588.7	863.3	33.3	539.9	20.9	540.8	20.9	644.7	24.9
New Mexico	635.0	233.9	36.8	93.2	14.7	105.6	16.6	202.4	31.9
New York	4,283.0	979.6	22.9	1,092.3	25.5	1,216.1	28.4	994.9	23.2
North Carolina	2,446.9	690.9	28.2	562.7	23.0	439.5	18.0	753.7	30.8
North Dakota	365.7	82.4	22.5	54.2	14.8	42.6	11.6	186.4	51.0
Ohio	4,323.4	969.2	22.4	866.7	20.0	632.1	14.6	1,855.3	42.9
Oklahoma	1,377.5	402.5	29.2	259.1	18.8	197.7	14.4	518.2	37.6
Oregon	1,109.2	328.2	29.6	238.4	21.5	190.5	17.2	352.1	31.7
Pennsylvania	3,715.5	983.9	26.5	858.6	23.1	582.6	15.7	1,290.4	34.7
Rhode Island	261.1	65.9	25.2	66.0	25.3	52.2	20.0	77.0	29.5
South Carolina	1.493.0	376.4	25.2	288.1	19.3	210.3	14.1	618.2	41.4
South Dakota	239.0	84.3	35.3	53.3	22.3	39.2	16.4	62.2	26.0
Tennessee	2,070.5	590.1	28.5	441.5	21.3	328.1	15.8	710.8	34.3
Texas	11,501.0	2,549.0	22.2	1,323.3	11.5	1,147.2	10.0	6,481.5	56.4
Utah	693.9	2,349.0	30.4	1,323.5	18.4	120.2	17.3	235.1	33.9
Vermont	165.0	53.2	30.4	42.6	25.8	29.4	17.3 17.8	39.9	33.9 24.2
Virginia	2,227.3	55.2 655.7	32.2 29.4	42.6 494.4	25.6 22.2	462.8	20.8	39.9 614.4	24.2 27.6
Washington	2,227.3 2,240.8	617.3	29.4 27.5	494.4 435.7	22.2 19.4	462.8 332.0	20.8 14.8	855.9	38.2
West Virginia	2,240.6 735.4	181.6	27.5 24.7		19.4	332.0 101.0	13.7	310.8	36.2 42.3
Wisconsin	7.35.4 1.810.5	431.8	24.7 23.8	141.9 375.8	20.8	285.4	15.8	717.4	42.3 39.6
Wyoming	421.8	431.8 119.8	23.8 28.4			285.4 42.1	10.0	717.4 224.0	
				35.9	8.5		15.7		53.1
United States	95,682.4	26,324.6	27.5	18,382.3	19.2	15,058.5	15.7	35,917.1	37.5

¹ U.S. total energy and U.S. industrial sector include 57.7 trillion Btu of net imports of coal coke that is not allocated to the states. State and U.S. totals include 92.6 trillion Btu of net imports of electricity generated from nonrenewable energy sources.

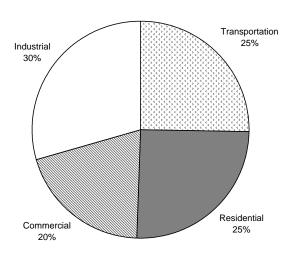
KEY: Btu = British thermal unit; Number = trillion Btu.

SOURCE: U.S. Department of Energy, Energy Information Administration, *State Energy Data Report 1999*, Washington, DC: May 2001, available at http://www.eia.doe.gov/pub/state.data/pdf/sedr.pdf as of Feb. 21, 2002.

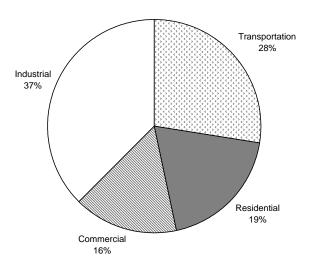
² End-use sector data include electricity sales and associated electrical system energy losses.

Figure 7-1: Energy Consumption by End-Use Sector: 1999

Rhode Island



United States



SOURCE: U.S. Department of Energy, Energy Information Administration, *State Energy Data Report 1999*, Washington, DC: May 2001, table 9, available at http://www.eia.doe.gov/pub/state.data/pdf/sedr.pdf as of Feb. 21, 2002.

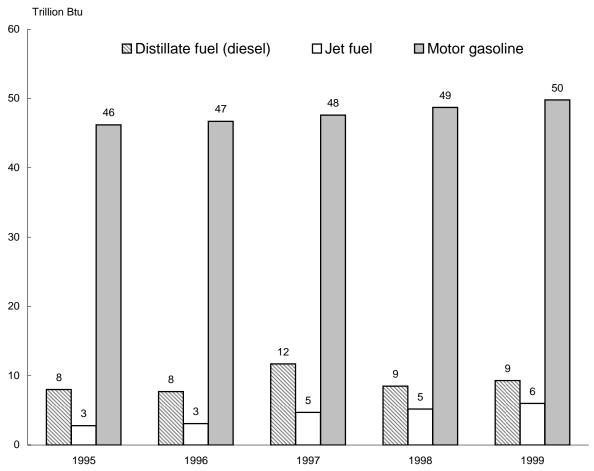


Figure 7-2: Rhode Island Transportation Energy Consumption

KEY: BTU = British thermal unit.

SOURCE: U.S. Department of Energy, Energy Information Administration, *State Energy Data Report 1999*, Washington, DC: May 2001, table 45, available at http://www.eia.doe.gov/pub/state.data/pdf/sedr.pdf as of Feb. 21, 2002.

Table 7-3: Transportation Energy Consumption per Capita: 1999

State Population (thousands) Total (trillion Btu) (million Btu) (million Btu) Total (million Btu) (million Btu) (million Btu) Total (million Btu) (million Btu) Total (million Btu) (million Btu) Total (million Btu) (million Btu) (million Btu) (million Btu) (million Btu) (million Btu) (mill			Petroleum		All energ	y sources
State (thousands) (trillion Btu) (million Btu) <th></th> <th>Population</th> <th>Total</th> <th>Per capita¹</th> <th>Total</th> <th>Per capita¹</th>		Population	Total	Per capita ¹	Total	Per capita ¹
Alaska 620 193.5 312.1 198.0 319.4 Arizona 4,778 433.5 90.7 452.5 94.7 Arkansas 2,551 288.0 112.9 297.2 116.5 California 33,145 2,880.6 86.9 2,898.9 87.5 Connecticut 3,282 234.2 71.4 234.9 71.6 Delaware 754 70.6 93.6 70.6 93.6 District of Columbia 519 24.5 47.2 26.5 51.1 Florida 15.111 1,338.1 88.6 1,345.8 89.1 Georgia 7,788 861.3 110.6 871.4 111.9 Hawaii 1,185 122.3 103.2 122.3 103.2 Ildaho 1,252 121.0 96.6 125.7 100.4 Illinois 12,128 930.8 76.7 990.5 81.7 Ildaho 1,252 321.0 96.6 125.7	State	(thousands)	(trillion Btu)		(trillion Btu)	(million Btu)
Arizona 4,778 433.5 90.7 452.5 94.7 Arkansas 2,551 288.0 112.9 297.2 116.5 California 33,145 2,80.6 86.9 2,898.9 87.5 Colorado 4,056 357.4 88.1 365.9 90.2 Connecticut 3,282 234.2 71.4 234.9 71.6 Delaware 754 70.6 93.6 70.6 93.6 70.6 93.6 District of Columbia 519 24.5 47.2 26.5 51.1 Florida 15,111 1,338.1 88.6 1,345.8 89.1 Georgia 7,788 861.3 110.6 871.4 111.9 Georgia 7,788 861.3 110.6 871.4 111.9 Hawaii 1,185 122.3 103.2 122.3 103.2 Idaho 1,252 121.0 96.6 125.7 100.4 Illinois 12,128 930.8 76.7 990.5 81.7 Indiana 5,943 630.6 106.1 645.4 108.6 Iowa 2,869 269.6 94.0 277.5 96.7 Kansas 2,654 256.2 96.5 287.8 108.4 Kentucky 3,961 427.0 107.8 444.2 112.1 Louisiana 4,372 754.9 172.7 804.9 143.1 32.9 0.3 Maryaland 5,172 400.3 77.4 405.1 78.3 Massachusetts 6,175 435.7 70.6 440.8 71.4 Mine 1,253 113.2 90.3 113.2 90.3 Massachusetts 6,175 435.7 70.6 440.8 71.4 Minesota 4,776 477.1 99.9 499.6 104.6 Mississippi 2,768 342.7 123.8 408.9 147.7 Missouri 5,488 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 13.9 Montana 883 100.4 13.7 106.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 100.5 83.7 1	Alabama	4,370	437.8	100.2	460.7	
Arkansas 2,551 288.0 112.9 297.2 116.5 California 33,145 2,880.6 86.9 2,898.9 87.5 Colorado 4,056 357.4 88.1 365.9 90.2 Connecticut 3,282 234.2 71.4 234.9 71.6 Delaware 754 70.6 93.6 70.6 93.6 70.6 93.6 Polebaware 754 70.6 93.6 Polebaware 758 861.3 Polebawar	Alaska	620	193.5	312.1	198.0	319.4
California 33,145 2,880.6 86.9 2,888.9 87.5 Colorado 4,056 357.4 88.1 365.9 90.2 Connecticut 3,282 234.2 71.4 234.9 71.6 Delaware 754 70.6 93.6 70.6 93.6 District of Columbia 519 24.5 47.2 26.5 51.1 Florida 15,111 1,338.1 88.6 1,345.8 89.1 Georgia 7,788 861.3 110.6 871.4 111.9 Hawaii 1,185 122.3 103.2 122.3 103.2 Idaho 1,252 121.0 96.6 125.7 100.4 Illinois 12,128 930.8 76.7 990.5 81.7 Indiana 5,943 630.6 106.1 645.4 108.6 Iowa 2,869 269.6 94.0 277.5 96.7 Kansas 2,664 256.2 96.5 287.8 108.4 Kentucky 3,961 427.0 107.8 444.2 112.1 Louisiana 4,372 754.9 172.7 804.9 184.1 Maine 1,253 113.2 90.3 113.2 90.3 Maryland 5,172 400.3 77.4 405.1 78.3 Maryland 5,172 400.3 77.4 405.1 78.3 Maryland 4,776 477.1 99.9 499.6 104.6 Minesota 4,776 477.1 99.9 499.6 104.6 Mississippi 2,768 342.7 123.8 408.9 147.7 Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 116.7 New Ada 1,809 196.9 108.8 197.8 109.3 New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 Neb Markico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.0 88.9 690.9 90.3 North Dakota 733 78.2 104.4 82.4 199.0 Northana 3,358 378.0 112.6 402.5 119.9 Northana 3,358 378.0 112.6 402.5 119.9 Northana 3,358 378.0 112.6 402.5 119.9 North Carolina 3,886 372.7 95.9 376.4 96.9 Northana 3,358 378.0 112.6 402.5 119.9 North Carolina 3,886 372.7 95.9 376.4 96.9 North Dakota 733 78.2 106.7 84.3 115.0 North Dakota 733 78.2	Arizona	4,778	433.5	90.7	452.5	94.7
Colorado 4,056 357.4 88.1 365.9 90.2 Connecticut 3,282 234.2 71.4 234.9 71.6 Delaware 754 70.6 93.6 70.6 93.6 70.6 93.6 District of Columbia 519 24.5 47.2 26.5 51.1 Florida 15,111 1,338.1 88.6 1,345.8 89.1 Georgia 7,788 861.3 110.6 871.4 111.9 Hawaii 1,185 122.3 103.2 122.3 103.2 Idaho 1,252 121.0 96.6 125.7 100.4 Illinois 12,128 930.8 76.7 990.5 81.7 Indiana 5,943 630.6 106.1 645.4 108.6 Iowa 2,869 269.6 94.0 277.5 96.7 Kansas 2,654 256.2 96.5 287.8 108.4 Kentucky 3,961 427.0 107.8 444.2 112.1 Louisiana 4,372 754.9 172.7 804.9 184.1 Maine 1,253 113.2 90.3 Maryland 5,172 400.3 77.4 405.1 78.3 Massachusetts 6,175 435.7 70.6 440.8 71.4 Michigan 9,864 821.4 83.3 844.8 85.6 Minnesota 4,776 477.1 99.9 499.6 104.6 Mississippi 2,768 342.7 123.8 408.9 147.7 Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Mississippi 2,768 342.7 123.8 408.9 147.7 Nevada 1,809 196.9 108.8 197.8 109.3 134.2 Nontana 883 100.4 113.7 106.5 120.6 New Alexanda 1,809 196.9 108.8 197.8 109.3 134.4 New Hampshire 1,201 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New Jersey 8,143 857.6 105.3 89.9 109.9 109.3 North Dakota 73.8 63.7 100.5 86.5 199.9 109.3 North Dakota 73.	Arkansas	2,551	288.0		297.2	116.5
Connecticut 3,282 234.2 71,4 234.9 71,6 Delaware 754 70.6 93.6 70.6 93.6 District of Columbia 519 24.5 47.2 26.5 51.1 Florida 15,111 1,338.1 88.6 1,345.8 89.1 Georgia 7,788 861.3 110.6 871.4 111.9 Hawaii 1,185 122.3 103.2 122.3 103.2 Idaho 1,252 121.0 96.6 125.7 100.4 Illinois 12,128 930.8 76.7 990.5 81.7 Indiana 5,943 630.6 106.1 645.4 108.6 lowa 2,869 269.6 94.0 277.5 96.7 Kansas 2,654 256.2 96.5 287.8 108.4 Kentucky 3,961 427.0 107.8 444.2 112.1 Louisiana 4,372 754.9 172.7 804.9 113.2 90.3 Maryland 5,172 400.3 77.4 405.1 78.3 Massachusetts 6,175 435.7 70.6 440.8 71.4 Michigan 9,864 821.4 83.3 844.8 85.6 Minnesota 4,776 477.1 99.9 949.6 610.4 61.6 Mississippi 2,768 342.7 123.8 408.9 147.7 Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 116.7 Nevada 1,809 196.9 108.8 197.8 109.3 North Dakota 7,651 14.9 199.4 96.9 90.3 North Dakota 7,651 14.9 199.4 116.7 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.4 72.5 114.4 82.4 130.0 North Dakota 7,551 680.9 90.3 North Dakota 7,551 680.0 North Dakota 7,331 631.0 95.6 22.5 90.0 North Dakota 7,331 631.0 95.6 22.5 90.0 North Dakota 7,331 631.0 95.6 232.2 99.0 North Dakota 7,331 631.0 95.6 232.2 99.0 Pennsylvania 11,994 942.6 78.6 983.9 82.0 Pennsylvania 11,994 942.6 78.6 983.9 980.9 99.3 North Dakota 733 78.2 106.7 8	California	33,145	2,880.6	86.9	2,898.9	87.5
Delaware 754 70.6 93.6 70.6 93.6 District of Columbia 519 24.5 47.2 26.5 51.1 Florida 15,111 1,338.1 88.6 1,345.8 89.1 Georgia 7,788 861.3 110.6 871.4 111.9 Hawaii 1,185 122.3 103.2 122.3 103.2 Idaho 1,252 121.0 96.6 125.7 100.4 Illinois 12,128 930.8 76.7 990.5 81.7 Indiana 5,943 630.6 106.1 645.4 108.6 Iowa 2,869 269.6 94.0 277.5 96.7 Kansas 2,654 256.2 96.5 287.8 108.4 Kentucky 3,961 427.0 107.8 444.2 120.1 Louisiana 4,372 754.9 172.7 804.9 184.1 Maine 1,253 113.2 90.3 113.2 90.3	Colorado	4,056	357.4	88.1	365.9	90.2
District of Columbia 519 24.5 47.2 26.5 51.1 Florida 15,111 1,338.1 88.6 1,345.8 89.1 Georgia 7,788 861.3 110.6 871.4 111.9 Hawaii 1,185 122.3 103.2 122.3 103.2 Idaho 1,252 121.0 96.6 125.7 100.4 Illinois 12,128 930.8 76.7 990.5 81.7 Indian 5,943 630.6 106.1 645.4 108.6 Iowa 2,869 269.6 94.0 277.5 96.7 Kansas 2,654 256.2 96.5 287.8 108.4 Kentucky 3,961 427.0 107.8 444.2 112.1 Louisiana 4,372 754.9 172.7 804.9 184.1 Maire 1,253 113.2 90.3 113.2 90.3 Maryland 5,172 400.3 77.4 405.1 7	Connecticut	3,282	234.2	71.4	234.9	71.6
Florida 15,111 1,338.1 88.6 1,345.8 89.1 Georgia 7,788 861.3 110.6 871.4 111.9 Hawaii 1,185 122.3 103.2 122.3 103.2 Idaho 1,252 121.0 96.6 125.7 100.4 Illinois 12,128 930.8 76.7 990.5 181.7 Indiana 5,943 630.6 106.1 645.4 108.6 lowa 2,869 269.6 94.0 277.5 96.7 Kansas 2,6654 256.2 96.5 287.8 108.4 Kentucky 3,961 427.0 107.8 444.2 112.1 Louisiana 4,372 754.9 172.7 804.9 184.1 Maine 1,253 113.2 90.3 113.2 90.3 Maryland 5,172 400.3 77.4 405.1 78.3 Massachusetts 6,175 435.7 70.6 440.8 77.4 Michigan 9,864 821.4 83.3 844.8 85.6 Minnesota 4,776 477.1 99.9 499.6 104.6 Mississippi 2,768 342.7 123.8 408.9 114.7 Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Moravada 1,809 196.9 108.8 197.8 109.3 New Hampshire 1,201 100.5 83.7 100.5 83.7 100.5 83.7 North Carolina 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 3,358 378.0 112.6 402.2 119.9 Pennsylvania 1,267 99.0 3,316.0 00.0 11.257 950.2 84.4 969.2 90.3 North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 969.2 90.3 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 3,866 372.7 95.9 376.4 96.9 90.3 North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 969.2 90.3 North Dakota 73.3 886.3 378.0 112.6 402.5 119.9 Pennsylvania 11,994 942.6 78.6 983.9 82.0 Rhode Island 991 65.6 66.2 65.9 66.5 South Dakota 73.3 78.2 106.7 84.3 115.0 Tennsee 5,484 564.2 102.9 590.1 107.6 Tennsee 5,484 564.2 102.9	Delaware	754	70.6	93.6	70.6	93.6
Georgia 7,788 861.3 110.6 871.4 111.9 Hawaii 1,185 122.3 103.2 122.3 103.2 Idaho 1,252 211.0 96.6 125.7 100.4 Illinois 12,128 930.8 76.7 990.5 81.7 Indiana 5,943 630.6 106.1 645.4 108.6 Iowa 2,869 269.6 94.0 277.5 96.7 Kansas 2,654 2256.2 96.5 287.8 108.4 Kentucky 3,961 427.0 107.8 444.2 112.1 Louisiana 4,372 754.9 172.7 804.9 184.1 Maine 1,253 113.2 90.3 113.2 90.3 Maryland 5,172 400.3 77.4 406.1 78.3 Massachusetts 6,175 435.7 70.6 440.8 71.4 Michigan 9,864 821.4 83.3 844.8 85.6 </td <td>District of Columbia</td> <td>519</td> <td>24.5</td> <td>47.2</td> <td>26.5</td> <td>51.1</td>	District of Columbia	519	24.5	47.2	26.5	51.1
Hawaii	Florida	15,111	1,338.1	88.6	1,345.8	89.1
Idaho	Georgia	7,788	861.3	110.6	871.4	111.9
Illinois	Hawaii	1,185	122.3	103.2	122.3	103.2
Indiana 5,943 630.6 106.1 645.4 108.6 Iowa 2,869 269.6 94.0 277.5 96.7 Kansas 2,654 256.2 96.5 287.8 108.4 Kentucky 3,961 427.0 107.8 444.2 112.1 Louisiana 4,372 754.9 172.7 804.9 184.1 Maine 1,253 113.2 90.3 113.2 90.3 Maryland 5,172 400.3 77.4 405.1 78.3 Massachusetts 6,175 435.7 70.6 440.8 87.4 Michigan 9,864 821.4 83.3 844.8 85.6 Minnesota 4,776 477.1 99.9 499.6 104.6 Missisouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 1	Idaho	1,252	121.0	96.6	125.7	100.4
lowa 2,869 269.6 94.0 277.5 96.7 Kansas 2,654 256.2 96.5 287.8 108.4 Kentucky 3,961 427.0 107.8 444.2 112.1 Louisiana 4,372 754.9 172.7 804.9 184.1 Maine 1,253 113.2 90.3 113.2 90.3 Maryland 5,172 400.3 77.4 405.1 78.3 Massachusetts 6,175 435.7 70.6 440.8 71.4 Michigan 9,864 821.4 83.3 844.8 85.6 Minnesota 4,776 477.1 99.9 499.6 104.6 Mississippi 2,768 342.7 123.8 408.9 147.7 Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 <th< td=""><td>Illinois</td><td>12,128</td><td>930.8</td><td>76.7</td><td>990.5</td><td>81.7</td></th<>	Illinois	12,128	930.8	76.7	990.5	81.7
Kansas 2,654 256.2 96.5 287.8 108.4 Kentucky 3,961 427.0 107.8 444.2 112.1 Louisiana 4,372 754.9 172.7 804.9 184.1 Maine 1,253 113.2 90.3 113.2 90.3 Maryland 5,172 400.3 77.4 405.1 78.3 Massachusetts 6,175 435.7 70.6 440.8 71.4 Michigan 9,864 821.4 83.3 844.8 85.6 Minnesota 4,776 477.1 99.9 499.6 104.6 Mississippi 2,768 342.7 123.8 408.9 147.7 Missouri 5,468 615.6 112.3 408.9 147.7 Missouri 5,468 615.6 112.3 408.9 147.7 Nevada 1,666 191.5 114.9 194.4 116.7 Nevada 1,809 196.9 108.8 197.8	Indiana	5,943	630.6	106.1	645.4	108.6
Kentucky 3,961 427.0 107.8 444.2 112.1 Louisiana 4,372 754.9 172.7 804.9 184.1 Maine 1,253 113.2 90.3 113.2 90.3 Maryland 5,172 400.3 77.4 405.1 78.3 Massachusetts 6,175 435.7 70.6 440.8 71.4 Michigan 9,864 821.4 83.3 844.8 85.6 Minnesota 4,776 477.1 99.9 499.6 104.6 Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 116.7 New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 New Werso 1,740 186.5 107.2 233.9	Iowa	2,869	269.6	94.0	277.5	96.7
Louisiana 4,372 754.9 172.7 804.9 184.1 Maine 1,253 113.2 90.3 113.2 90.3 Maryland 5,172 400.3 77.4 405.1 78.3 Massachusetts 6,175 435.7 70.6 440.8 71.4 Michigan 9,864 821.4 83.3 844.8 85.6 Minnesota 4,776 477.1 99.9 499.6 104.6 Mississippi 2,768 342.7 123.8 408.9 147.7 Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 116.7 Nevadaa 1,809 196.9 108.8 197.8 109.3 New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 <td>Kansas</td> <td>2,654</td> <td>256.2</td> <td>96.5</td> <td>287.8</td> <td>108.4</td>	Kansas	2,654	256.2	96.5	287.8	108.4
Maine 1,253 113.2 90.3 113.2 90.3 Maryland 5,172 400.3 77.4 405.1 78.3 Massachusetts 6,175 435.7 70.6 440.8 71.4 Michigan 9,864 821.4 83.3 844.8 85.6 Minnesota 4,776 477.1 99.9 499.6 104.6 Mississippi 2,768 342.7 123.8 408.9 147.7 Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 116.7 New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 </td <td>Kentucky</td> <td>3,961</td> <td>427.0</td> <td>107.8</td> <td>444.2</td> <td>112.1</td>	Kentucky	3,961	427.0	107.8	444.2	112.1
Maryland 5,172 400.3 77.4 405.1 78.3 Massachusetts 6,175 435.7 70.6 440.8 71.4 Michigan 9,864 821.4 83.3 844.8 85.6 Minnesota 4,776 477.1 99.9 499.6 104.6 Mississippi 2,768 342.7 123.8 408.9 147.7 Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 116.7 Nevada 1,809 196.9 108.8 197.8 109.3 New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.	Louisiana	4,372	754.9	172.7	804.9	184.1
Massachusetts 6,175 435.7 70.6 440.8 71.4 Michigan 9,864 821.4 83.3 844.8 85.6 Minnesota 4,776 477.1 99.9 499.6 104.6 Mississippi 2,768 342.7 123.8 408.9 147.7 Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 116.7 Nevada 1,809 196.9 108.8 197.8 109.3 New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.0 88.9 <t< td=""><td>Maine</td><td>1,253</td><td>113.2</td><td>90.3</td><td>113.2</td><td>90.3</td></t<>	Maine	1,253	113.2	90.3	113.2	90.3
Michigan 9,864 821.4 83.3 844.8 85.6 Minnesota 4,776 477.1 99.9 499.6 104.6 Mississippi 2,768 342.7 123.8 408.9 147.7 Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 116.7 Nevada 1,809 196.9 108.8 197.8 109.3 New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.0 88.9 690.9 90.3 North Dakota 634 72.5 114.4 8	Maryland	5,172	400.3	77.4	405.1	78.3
Minnesota 4,776 477.1 99.9 499.6 104.6 Mississispipi 2,768 342.7 123.8 408.9 147.7 Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 116.7 Nevada 1,809 196.9 108.8 197.8 109.3 New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.0 88.9 690.9 90.3 North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 96	Massachusetts	6,175	435.7	70.6	440.8	71.4
Mississippi 2,768 342.7 123.8 408.9 147.7 Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 116.7 Nevada 1,809 196.9 108.8 197.8 109.3 New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.0 88.9 690.9 90.3 North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 969.2 86.1 Oklahoma 3,358 378.0 112.6 402.5	Michigan	9,864	821.4	83.3	844.8	85.6
Missouri 5,468 615.6 112.6 622.6 113.9 Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 116.7 Nevada 1,809 196.9 108.8 197.8 109.3 New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.0 88.9 690.9 90.3 North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 969.2 86.1 Oklahoma 3,358 378.0 112.6 402.5 119.9 Oregon 3,316 317.0 95.6 328.2	Minnesota	4,776	477.1	99.9	499.6	104.6
Montana 883 100.4 113.7 106.5 120.6 Nebraska 1,666 191.5 114.9 194.4 116.7 Nevada 1,809 196.9 108.8 197.8 109.3 New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.0 88.9 690.9 90.3 North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 969.2 86.1 Oklahoma 3,358 378.0 112.6 402.5 119.9 Oregon 3,316 317.0 95.6 328.2 99.0 Pennsylvania 11,994 942.6 78.6 983.9 <td>Mississippi</td> <td>2,768</td> <td>342.7</td> <td>123.8</td> <td>408.9</td> <td>147.7</td>	Mississippi	2,768	342.7	123.8	408.9	147.7
Nebraska 1,666 191.5 114.9 194.4 116.7 Nevada 1,809 196.9 108.8 197.8 109.3 New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.0 88.9 690.9 90.3 North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 969.2 86.1 Oklahoma 3,358 378.0 112.6 402.5 119.9 Oregon 3,316 317.0 95.6 328.2 99.0 Pennsylvania 11,994 942.6 78.6 983.9 82.0 Rhode Island 991 65.6 66.2 65.9 </td <td>Missouri</td> <td>5,468</td> <td>615.6</td> <td>112.6</td> <td>622.6</td> <td>113.9</td>	Missouri	5,468	615.6	112.6	622.6	113.9
Nevada 1,809 196.9 108.8 197.8 109.3 New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.0 88.9 690.9 90.3 North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 969.2 86.1 Oklahoma 3,358 378.0 112.6 402.5 119.9 Oregon 3,316 317.0 95.6 328.2 99.0 Pennsylvania 11,994 942.6 78.6 983.9 82.0 Rhode Island 991 65.6 66.2 65.9 66.5 South Carolina 3,886 372.7 95.9 376	Montana	883	100.4	113.7	106.5	120.6
New Hampshire 1,201 100.5 83.7 100.5 83.7 New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.0 88.9 690.9 90.3 North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 969.2 86.1 Oklahoma 3,358 378.0 112.6 402.5 119.9 Oregon 3,316 317.0 95.6 328.2 99.0 Pennsylvania 11,994 942.6 78.6 983.9 82.0 Rhode Island 991 65.6 66.2 65.9 66.5 South Carolina 3,886 372.7 95.9 376.4 96.9 South Dakota 733 78.2 106.7 8	Nebraska	1,666	191.5	114.9	194.4	116.7
New Jersey 8,143 857.6 105.3 863.3 106.0 New Mexico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.0 88.9 690.9 90.3 North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 969.2 86.1 Oklahoma 3,358 378.0 112.6 402.5 119.9 Oregon 3,316 317.0 95.6 328.2 99.0 Pennsylvania 11,994 942.6 78.6 983.9 82.0 Rhode Island 991 65.6 66.2 65.9 66.5 South Carolina 3,886 372.7 95.9 376.4 96.9 South Dakota 733 78.2 106.7 84.3 115.0 Texas 20,044 2,475.8 123.5 2,549	Nevada	1,809	196.9	108.8	197.8	109.3
New Mexico 1,740 186.5 107.2 233.9 134.4 New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.0 88.9 690.9 90.3 North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 969.2 86.1 Oklahoma 3,358 378.0 112.6 402.5 119.9 Oregon 3,316 317.0 95.6 328.2 99.0 Pennsylvania 11,994 942.6 78.6 983.9 82.0 Rhode Island 991 65.6 66.2 65.9 66.5 South Carolina 3,886 372.7 95.9 376.4 96.9 South Dakota 733 78.2 106.7 84.3 115.0 Tennessee 5,484 564.2 102.9 590.1 107.6 Texas 20,044 2,475.8 123.5 2,549.	New Hampshire	·		83.7	100.5	83.7
New York 18,197 944.2 51.9 979.6 53.8 North Carolina 7,651 680.0 88.9 690.9 90.3 North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 969.2 86.1 Oklahoma 3,358 378.0 112.6 402.5 119.9 Oregon 3,316 317.0 95.6 328.2 99.0 Pennsylvania 11,994 942.6 78.6 983.9 82.0 Rhode Island 991 65.6 66.2 65.9 66.5 South Carolina 3,886 372.7 95.9 376.4 96.9 South Dakota 733 78.2 106.7 84.3 115.0 Tennessee 5,484 564.2 102.9 590.1 107.6 Texas 20,044 2,475.8 123.5 2,549.0 127.2 Utah 2,130 208.2 97.7 211.1	New Jersey	·				
North Carolina 7,651 680.0 88.9 690.9 90.3 North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 969.2 86.1 Oklahoma 3,358 378.0 112.6 402.5 119.9 Oregon 3,316 317.0 95.6 328.2 99.0 Pennsylvania 11,994 942.6 78.6 983.9 82.0 Rhode Island 991 65.6 66.2 65.9 66.5 South Carolina 3,886 372.7 95.9 376.4 96.9 South Dakota 733 78.2 106.7 84.3 115.0 Tennessee 5,484 564.2 102.9 590.1 107.6 Texas 20,044 2,475.8 123.5 2,549.0 127.2 Utah 2,130 208.2 97.7 211.1 99.1 Vermont 594 53.2 89.6 53.2	New Mexico	1,740	186.5	107.2	233.9	134.4
North Dakota 634 72.5 114.4 82.4 130.0 Ohio 11,257 950.2 84.4 969.2 86.1 Oklahoma 3,358 378.0 112.6 402.5 119.9 Oregon 3,316 317.0 95.6 328.2 99.0 Pennsylvania 11,994 942.6 78.6 983.9 82.0 Rhode Island 991 65.6 66.2 65.9 66.5 South Carolina 3,886 372.7 95.9 376.4 96.9 South Dakota 733 78.2 106.7 84.3 115.0 Tennessee 5,484 564.2 102.9 590.1 107.6 Texas 20,044 2,475.8 123.5 2,549.0 127.2 Utah 2,130 208.2 97.7 211.1 99.1 Vermont 594 53.2 89.6 53.2 89.6 Virginia 6,873 646.5 94.1 655.7	New York	18,197	944.2	51.9	979.6	53.8
Ohio 11,257 950.2 84.4 969.2 86.1 Oklahoma 3,358 378.0 112.6 402.5 119.9 Oregon 3,316 317.0 95.6 328.2 99.0 Pennsylvania 11,994 942.6 78.6 983.9 82.0 Rhode Island 991 65.6 66.2 65.9 66.5 South Carolina 3,886 372.7 95.9 376.4 96.9 South Dakota 733 78.2 106.7 84.3 115.0 Tennessee 5,484 564.2 102.9 590.1 107.6 Texas 20,044 2,475.8 123.5 2,549.0 127.2 Utah 2,130 208.2 97.7 211.1 99.1 Vermont 594 53.2 89.6 53.2 89.6 Virginia 6,873 646.5 94.1 655.7 95.4 Washington 5,756 608.9 105.8 617.3 <td< td=""><td>North Carolina</td><td>7,651</td><td>680.0</td><td>88.9</td><td>690.9</td><td>90.3</td></td<>	North Carolina	7,651	680.0	88.9	690.9	90.3
Oklahoma 3,358 378.0 112.6 402.5 119.9 Oregon 3,316 317.0 95.6 328.2 99.0 Pennsylvania 11,994 942.6 78.6 983.9 82.0 Rhode Island 991 65.6 66.2 65.9 66.5 South Carolina 3,886 372.7 95.9 376.4 96.9 South Dakota 733 78.2 106.7 84.3 115.0 Tennessee 5,484 564.2 102.9 590.1 107.6 Texas 20,044 2,475.8 123.5 2,549.0 127.2 Utah 2,130 208.2 97.7 211.1 99.1 Vermont 594 53.2 89.6 53.2 89.6 Virginia 6,873 646.5 94.1 655.7 95.4 Washington 5,756 608.9 105.8 617.3 107.2 West Virginia 1,807 150.1 83.1 181.6				114.4		130.0
Oregon 3,316 317.0 95.6 328.2 99.0 Pennsylvania 11,994 942.6 78.6 983.9 82.0 Rhode Island 991 65.6 66.2 65.9 66.5 South Carolina 3,886 372.7 95.9 376.4 96.9 South Dakota 733 78.2 106.7 84.3 115.0 Tennessee 5,484 564.2 102.9 590.1 107.6 Texas 20,044 2,475.8 123.5 2,549.0 127.2 Utah 2,130 208.2 97.7 211.1 99.1 Vermont 594 53.2 89.6 53.2 89.6 Virginia 6,873 646.5 94.1 655.7 95.4 Washington 5,756 608.9 105.8 617.3 107.2 West Virginia 1,807 150.1 83.1 181.6 100.5 Wisconsin 5,250 427.6 81.4 431.8		,				
Pennsylvania 11,994 942.6 78.6 983.9 82.0 Rhode Island 991 65.6 66.2 65.9 66.5 South Carolina 3,886 372.7 95.9 376.4 96.9 South Dakota 733 78.2 106.7 84.3 115.0 Tennessee 5,484 564.2 102.9 590.1 107.6 Texas 20,044 2,475.8 123.5 2,549.0 127.2 Utah 2,130 208.2 97.7 211.1 99.1 Vermont 594 53.2 89.6 53.2 89.6 Virginia 6,873 646.5 94.1 655.7 95.4 Washington 5,756 608.9 105.8 617.3 107.2 West Virginia 1,807 150.1 83.1 181.6 100.5 Wisconsin 5,250 427.6 81.4 431.8 82.2 Wyoming 480 105.3 219.4 119.8	Oklahoma	·	378.0	112.6	402.5	119.9
Rhode Island 991 65.6 66.2 65.9 66.5 South Carolina 3,886 372.7 95.9 376.4 96.9 South Dakota 733 78.2 106.7 84.3 115.0 Tennessee 5,484 564.2 102.9 590.1 107.6 Texas 20,044 2,475.8 123.5 2,549.0 127.2 Utah 2,130 208.2 97.7 211.1 99.1 Vermont 594 53.2 89.6 53.2 89.6 Virginia 6,873 646.5 94.1 655.7 95.4 Washington 5,756 608.9 105.8 617.3 107.2 West Virginia 1,807 150.1 83.1 181.6 100.5 Wisconsin 5,250 427.6 81.4 431.8 82.2 Wyoming 480 105.3 219.4 119.8 249.6						
South Carolina 3,886 372.7 95.9 376.4 96.9 South Dakota 733 78.2 106.7 84.3 115.0 Tennessee 5,484 564.2 102.9 590.1 107.6 Texas 20,044 2,475.8 123.5 2,549.0 127.2 Utah 2,130 208.2 97.7 211.1 99.1 Vermont 594 53.2 89.6 53.2 89.6 Virginia 6,873 646.5 94.1 655.7 95.4 Washington 5,756 608.9 105.8 617.3 107.2 West Virginia 1,807 150.1 83.1 181.6 100.5 Wisconsin 5,250 427.6 81.4 431.8 82.2 Wyoming 480 105.3 219.4 119.8 249.6	•		942.6			
South Dakota 733 78.2 106.7 84.3 115.0 Tennessee 5,484 564.2 102.9 590.1 107.6 Texas 20,044 2,475.8 123.5 2,549.0 127.2 Utah 2,130 208.2 97.7 211.1 99.1 Vermont 594 53.2 89.6 53.2 89.6 Virginia 6,873 646.5 94.1 655.7 95.4 Washington 5,756 608.9 105.8 617.3 107.2 West Virginia 1,807 150.1 83.1 181.6 100.5 Wisconsin 5,250 427.6 81.4 431.8 82.2 Wyoming 480 105.3 219.4 119.8 249.6	Rhode Island	991	65.6	66.2	65.9	66.5
Tennessee 5,484 564.2 102.9 590.1 107.6 Texas 20,044 2,475.8 123.5 2,549.0 127.2 Utah 2,130 208.2 97.7 211.1 99.1 Vermont 594 53.2 89.6 53.2 89.6 Virginia 6,873 646.5 94.1 655.7 95.4 Washington 5,756 608.9 105.8 617.3 107.2 West Virginia 1,807 150.1 83.1 181.6 100.5 Wisconsin 5,250 427.6 81.4 431.8 82.2 Wyoming 480 105.3 219.4 119.8 249.6	South Carolina	3,886	372.7	95.9	376.4	96.9
Texas 20,044 2,475.8 123.5 2,549.0 127.2 Utah 2,130 208.2 97.7 211.1 99.1 Vermont 594 53.2 89.6 53.2 89.6 Virginia 6,873 646.5 94.1 655.7 95.4 Washington 5,756 608.9 105.8 617.3 107.2 West Virginia 1,807 150.1 83.1 181.6 100.5 Wisconsin 5,250 427.6 81.4 431.8 82.2 Wyoming 480 105.3 219.4 119.8 249.6	South Dakota	733	78.2	106.7	84.3	115.0
Utah 2,130 208.2 97.7 211.1 99.1 Vermont 594 53.2 89.6 53.2 89.6 Virginia 6,873 646.5 94.1 655.7 95.4 Washington 5,756 608.9 105.8 617.3 107.2 West Virginia 1,807 150.1 83.1 181.6 100.5 Wisconsin 5,250 427.6 81.4 431.8 82.2 Wyoming 480 105.3 219.4 119.8 249.6	Tennessee	5,484	564.2	102.9	590.1	107.6
Utah 2,130 208.2 97.7 211.1 99.1 Vermont 594 53.2 89.6 53.2 89.6 Virginia 6,873 646.5 94.1 655.7 95.4 Washington 5,756 608.9 105.8 617.3 107.2 West Virginia 1,807 150.1 83.1 181.6 100.5 Wisconsin 5,250 427.6 81.4 431.8 82.2 Wyoming 480 105.3 219.4 119.8 249.6	Texas	20,044	2,475.8	123.5	2,549.0	127.2
Virginia 6,873 646.5 94.1 655.7 95.4 Washington 5,756 608.9 105.8 617.3 107.2 West Virginia 1,807 150.1 83.1 181.6 100.5 Wisconsin 5,250 427.6 81.4 431.8 82.2 Wyoming 480 105.3 219.4 119.8 249.6	Utah	2,130	208.2		211.1	99.1
Washington 5,756 608.9 105.8 617.3 107.2 West Virginia 1,807 150.1 83.1 181.6 100.5 Wisconsin 5,250 427.6 81.4 431.8 82.2 Wyoming 480 105.3 219.4 119.8 249.6	Vermont	594	53.2	89.6	53.2	89.6
Washington 5,756 608.9 105.8 617.3 107.2 West Virginia 1,807 150.1 83.1 181.6 100.5 Wisconsin 5,250 427.6 81.4 431.8 82.2 Wyoming 480 105.3 219.4 119.8 249.6	Virginia	6,873	646.5	94.1	655.7	95.4
Wisconsin 5,250 427.6 81.4 431.8 82.2 Wyoming 480 105.3 219.4 119.8 249.6	•			105.8	617.3	107.2
Wisconsin 5,250 427.6 81.4 431.8 82.2 Wyoming 480 105.3 219.4 119.8 249.6	<u> </u>	·			181.6	
	Wisconsin			81.4	431.8	
	Wyoming	480	105.3	219.4	119.8	249.6
	United States	272,691				

¹ Calculated by the Bureau of Transportation Statistics.

KEY: Btu = British thermal unit.

SOURCE: U.S. Department of Energy, Energy Information Administration, *State Energy Data Report 1999*, Washington, DC: May 2001, available at http://www.eia.doe.gov/pub/state.data/pdf/sedr.pdf as of Feb. 21, 2002.

Table 7-4: Rhode Island and U.S. Motor-Fuel Use: 2000¹ (Millions of gallons)

		Gasoline				al fuel		
	Highway use		Nonhigh	way use	(mainly diesel)		Total use	
	Rhode	United	Rhode	United	Rhode	United	Rhode	United
Vehicle ownership	Island	States	Island	States	Island	States	Island	States
Private and commercial	388	126,735	5	2,876	54	33,377	293	162,988
Public use	8	2,149	Z	96	N	N	8	2,245
Total	388	128,884	6	2,972	54	33,377	301	165,232

¹Based on reports from state motor-fuel tax agencies. Gasohol is included with gasoline. Public use and nonhighway use were estimated by the Federal Highway Administration.

KEY: N = data do not exist; Z = zero or less than 1 unit of measure.

NOTE: The term "motor fuel" applies to gasoline and all other fuels, including special fuels, coming under the purview of the state motor-fuel tax laws. "Special fuels" include diesel fuel and, to the extent they can be quantified, liquefied petroleum gases such as propane. Gasohol, a blend of gasoline and fuel alcohol, is included with gasoline.

SOURCE: U.S. Department of Transportation, Federal Highway Administration, *Highway Statistics 2000*, Washington, DC: October 2001, available at http://www.fhwa.dot.gov/ohim/hs00/pdf/mf21.pdf as of Apr. 20, 2002.

Table 7-5: Rhode Island Air Quality Nonattainment Areas for Ozone (O₃)

			Redesignation to		Part or whole	Population
County	Area	Nonattainment in year	attainment	Classification	county	(2000)
Bristol	Providence (all Rhode Island)	95 96 97 98 99 00 01	NA	Serious	Whole	50,648
Kent	Providence (all Rhode Island)	95 96 97 98 99 00 01	NA	Serious	Whole	167,090
Newport	Providence (all Rhode Island)	95 96 97 98 99 00 01	NA	Serious	Whole	85,433
Providence	Providence (all Rhode Island)	95 96 97 98 99 00 01	NA	Serious	Whole	621,602
Washington	Providence (all Rhode Island)	95 96 97 98 99 00 01	NA	Serious	Whole	123,546

KEY: NA = not applicable.

NOTES: Nonattainment areas do not meet the national primary or secondary ambient air quality standard (NAAQS) for the specified pollutant. Nonattainment areas are classified based on design values: Extreme = design value of 0.280 parts per million (ppm) and above; Severe-17 = design value of 0.190 up to 0.280 ppm and has 17 years to reach attainment; Severe-15 = design value of 0.180 up to 0.190 ppm and has 15 years to reach attainment; Serious = design value of 0.160 up to 0.180 ppm; Moderate = design value of 0.138 up to 0.160 ppm; Marginal = design value of 0.121 up to 0.138 ppm; Section 185A = an area designated as an ozone nonattainment area as of the date of enactment of the Clean Air Act Amendments of 1990 and has not violated the national primary ambient air quality standard for ozone for the 36-month period commencing on Jan. 1, 1987, and ending on Dec. 31, 1989.

SOURCE: U.S. Environmental Protection Agency, Green Book, available at http://www.epa.gov/oar/oaqps/greenbk/anay.html as of Apr. 20, 2002.

Table 7-6: Highway Noise Barriers: 1999

	Total length	Barrier cost
State	(meters)	(\$ 1998)
Alabama	0	0
Alaska	9,338	2,742,486
Arizona	48,593	15,130,670
Arkansas	1,989	653,497
California	777,160	487,177,331
Colorado	104,377	45,351,408
Connecticut	46,049	28,335,802
Delaware	1,262	242,013
District of Columbia	0	0
Florida	70,991	62,276,735
Georgia	33,530	20,247,589
Hawaii	3,103	1,743,452
Idaho	200	583,002
Illinois	97,803	70,985,221
Indiana	18,568	20,297,106
Iowa	7,857	3,215,640
Kansas	2,103	2,082,034
Kentucky	8,249	5,306,199
Louisiana	12,077	5,974,212
Maine	561	292,861
Maryland	99,587	153,227,923
Massachusetts	10,250	5,259,055
Michigan	67,071	60,139,968
Minnesota	101,811	62,694,176
Mississippi	0	0
Missouri	6,113	4,179,360
Montana	0	0
Nebraska	5,060	4,026,138
Nevada	17,847	10,855,220
New Hampshire	6,392	5,785,519
New Jersey	142,055	210,429,029
New Mexico	21,196	9,306,885
New York	110,698	116,448,616
North Carolina	45,977	24,702,615
North Dakota	0	0
Ohio	138,197	68,064,386
Oklahoma	13,186	4,229,909
Oregon	72,552	30,075,899
Pennsylvania	83,526	88,259,488
-	_	_
Rhode Island	0	0
South Carolina	2,665	1,713,629
South Dakota	0	0
Tennessee	28,846	20,574,450
Texas	55,310	39,635,228
Utah	70,260	24,841,367
Vermont	1,004	356,344
Virginia ¹	153,313	143,003,313
Washington	74,812	32,296,683
West Virginia	408	170,529
Wisconsin	29,730	28,768,150
Wyoming	293	100,271
United States	2,611,953	1,931,107,534

¹Includes 4,061 meters of federal barriers on the Dulles Access Highway.

SOURCE: U.S. Department of Transportation, Federal Highway Administration, Office of Planning, Environment, and Real Estate, available at http://www.fhwa.dot.gov/environment/ab_noise.htm as of Feb. 20, 2002.

H Information on Data Sources

Airline freight and passenger data

The U.S. Department of Transportation's (USDOT) Bureau of Transportation Statistics (BTS) collects and compiles data on the volume of revenue passengers, freight, and mail traffic handled and reported by the nation's large certificated air carriers. These carriers hold Certificates of Public Convenience and Necessity (CPN) issued by the USDOT authorizing the performance of air transportation. Large certificated air carriers operate aircraft with seating capacity of more than 60 seats or a maximum payload capacity of more than 18,000 pounds or conduct international operations. Data for commuters, intrastate, nonscheduled air taxi operators, and foreign flag air carriers are not included in this BTS data.

Additional information:

Contact: USDOT, Bureau of Transportation Statistics, Office of Airline Information

Print source: USDOT, Bureau of Transportation Statistics, Office of Airline Information. *Airport Activity Statistics*. Washington, DC: Annual issues.

Internet: http://www.bts.gov

Commodity Flow Survey

The Commodity Flow Survey (CFS) provides data on the movement of freight by type of commodity shipped and by mode of transport. In 1997, 100,000 domestic establishments were randomly selected from a universe of approximately 800,000 engaged in mining, manufacturing, wholesale, warehouses of multi-establishment companies, and some selected activities in retail and service. The survey excluded establishments classified as farms, forestry, fisheries, governments, construction, transportation, foreign establishments, services, and most

establishments in retail. For the 1997 CFS, each selected establishment reported a sample of about 25 outbound shipments for a one-week period in each of four calendar quarters in 1997. This produced a total sample of over 5 million shipments. Due to industry-wide reporting problems, shipments by oil and gas extraction establishments were excluded from data tabulations.

For each sampled 1997 CFS shipment, zip code of origin and destination, 5-digit Standard Classification of Transported Goods (SCTG) code, weight, value, and modes of transport were provided. Information on whether the shipment was containerized, a hazardous material, or an export was also obtained. Route-distance for each mode, for each shipment, is imputed from a Mode-Distance Table developed by Oak Ridge National Laboratory. Distance was used to compute ton-mileage by mode of transport. The CFS provides nationwide geographic coverage in 89 National Transportation Analysis Regions, stratified by state and, for the 1997 CFS, metropolitan area.

Additional information:

Contact: USDOT, Bureau of Transportation Statistics, Office of Statistical Programs

Print source: USDOT, Bureau of Transportation Statistics and U.S. Department of Commerce, Bureau of the Census, [state]: 1997 Commodity Flow Survey. EC97TCF-[state], Washington, DC: 1999.

Internet: http://www.bts.gov/ntda/cfs/

Commuting data

Commuting data are derived from the Census 2000 Supplementary Survey (C2SS). The C2SS used the questionnaire and methods developed for the American Community Survey to collect demographic, social,

Data Sources

economic, and housing data from a national sample of 700,000 households. Group quarters were not included in the sample. The C2SS was conducted in 1,203 counties with monthly samples of about 58,000 housing units. Economic, demographic, and housing characteristics from the Census 2000 Supplementary Survey are reported for the United States as a whole, the 50 states, and the District of Columbia.

The Census 2000 Supplementary Survey is not directly comparable with the 1990 Census for several reasons, one being that the former did not include group quarters. This may understate some categories such as walking.

Additional information:

Contact: USDOC, U.S. Census Bureau,

Demographic Surveys Division

Internet: http://www.census.gov

Gas and hazardous liquid pipeline data

U.S. fatality and injury data for natural gas pipelines and hazardous liquid pipelines are based on reports filed with the U.S. Department of Transportation, Office of Pipeline Safety (OPS) under 49 CFR 191. Accidents must be reported as soon as possible, but no later than 30 days after discovery. Undetected releases are a possible source of error; even if subsequently detected and reported, it may not be possible to accurately reconstruct the accident. Property damage figures are estimates.

Gas pipeline incidents involve: 1) releases of gas from a pipeline or liquefied natural gas (LNG) or gas from an LNG facility that results in a) death or personal injury necessitating inpatient hospitalization, or b) estimated property damage, including cost of gas lost, of the operator or others, or both, of \$50,000 or

more; 2) an event that results in an emergency shutdown of an LNG facility; or 3) an event that is significant, in the judgment of the operator, even though it did not meet the criteria of 1) or 2).

For hazardous liquids pipelines, an accident report is required for each failure in a pipeline system in which there is a release of the hazardous liquid or carbon dioxide transported resulting in any of the following: 1) explosion or fire not intentionally set by the operator; 2) loss of 50 or more barrels (8 or more cubic meters) of hazardous liquid or carbon dioxide: 3) escape to the atmosphere of more than 5 barrels (0.8 cubic meters) a day of highly volatile liquids; 4) death of any person; 5) bodily harm to any person resulting in one or more of the following: a) loss of consciousness, b) an individual being carried from the scene, c) medical treatment, or d) disability which prevents the discharge of normal duties or the pursuit of normal activities beyond the day of the accident; or 6) estimated property damage, including cost of clean-up and recovery, value of lost product, and damage to the property of the operator or others, or both, exceeding \$50,000.

Additional information:

Contact: USDOT, Research and Special Programs Administration, Office of Pipeline Safety

Internet: http://ops.dot.gov

Government transportation revenue and expenditure data

The U.S. Department of Commerce (USDOC), U.S. Census Bureau conducts an Annual Survey of Government Finances.

Alternatively, every five years, in years ending in a '2' or '7', a Census of Governments, including a finance portion, is conducted. The

survey coverage includes all state and local governments in the United States. For both the Census and annual survey, the finance detail data is equivalent, encompassing the entire range of government finance activities—revenue, expenditure, debt, and assets.

The data collection for the annual survey uses two methods: mail canvas and central collection from state sources. Data for local governments includes county, municipal, township, special district, and school district data. Data for state governments are compiled from state government audits, budgets, and other financial reports into the classification categories used for reporting by the Census Bureau.

Reporting of government finances by the Census Bureau involves presentation of data in terms of uniform categories. While often similar to, or identical to, the classification used by the state or local government, there could be instances in which a significant difference exists between the name of a state or local financial item and the final category to which it is assigned by the Census Bureau.

Like financial transactions are combined. The financial categories for revenue involve grouping of items by source. Revenue items of the same kind are merged. Financial transactions for expenditures are classified both by function and by object category. Debt items are classified by term (short- and long-term), as well as by type of debt and, to a limited extent, by purpose. Assets also are put into uniform categories, grouped by type of holding, with holdings for insurance trust systems grouped separately from general government.

The share of government sector financial totals contributed by a state government or by local governments differs materially from one

state to another. Users can review the *Government Finance and Employment Classification Manual* for additional information regarding the financial categories. The financial amounts in the tables and files are statistical in nature and do not represent accounting statements or conditions.

The local government statistics are developed from a sample survey. Therefore, the local totals, as well as state and local aggregates, are considered estimated amounts subject to sampling error. State government finance data are not subject to sampling. Consequently, state-local aggregates for individual states are more reliable (on a relative standard error basis) than the local government estimates they include.

Additional information:

Contact: USDOC, U.S. Census Bureau,

Finance Branch

Print Sources: USDOC, U.S. Census Bureau,

Federal Aid to States: 2000

Internet: http://www.census.gov

Hazardous materials incidents data

Incidents resulting in certain unintentional releases of hazardous materials must be reported under 49 CFR 171.16. Each carrier must submit a report to the USDOT, Research and Special Programs Administration (RSPA) within 30 days of the incident, including information on the mode of transportation involved, results of the incident, and a narrative description of the accident. These reports are generally made available on RSPA's incident database within 90 days of receipt.

Fatalities and injuries are counted only if directly caused by a hazardous material. For example, a truck operator killed by impact forces during a motor vehicle crash would not

Data Sources

be counted as a hazardous-material fatality. RSPA contacts the submitting carrier by telephone to verify all reported fatalities.

Although RSPA acknowledges that there is some level of underreporting, it believes that the underreporting is mostly limited to small, nonserious incidents. The reporting requirements were extended to intrastate highway carriers on October 1, 1998, and the response rate from this new group is expected to increase over time. Property damage figures are estimates determined by the carrier prior to the 30-day reporting deadline, and are generally not subsequently updated. Property damage figures, therefore, may underestimate actual damages.

Additional information:

Contact: USDOT, Research and Special Programs Administration, Office of Hazardous Materials Planning and Analysis

Print source: USDOT, Research and Special Programs Administration, Office of Hazardous Materials Safety, *Hazmat Summary by State for Calendar Year 2000*. Washington, DC: 2001

Internet: http://hazmat.dot.gov

mternet. http://nazmat.dot.gov

Highway mileage, condition, and use, driver licenses, and highway vehicle registrations data

Data on roadway mileage, condition, and use are extracted from the Highway Performance Monitoring System (HPMS), which uses a stratified simple random sample of highway links (small sections of roadway) selected from state inventory files. The HPMS sample was designed as a fixed sample to minimize data collection costs, but adjustments to maintain representativeness are carried out periodically. The HPMS also consists of universe reporting (a complete census) for the

Interstate and the National Highway System, and tabular summary reporting of limited information.

Data are collected independently by the 50 states, Metropolitan Planning Organizations (MPOs), and lower jurisdictions. Many of the geometric data items rarely change, such as number of lanes; others change frequently, such as traffic. The U.S. Department of Transportation, Federal Highway Administration (FHWA) provides guidelines for data collection in the HPMS *Field Manual*, which the states follow to varying extents depending on matters such as staff, resources, state perspective, uses of the data, and state/MPO/local needs for the data. State Departments of Transportation (DOTs) report HPMS data annually to the FHWA.

HPMS data are subject to sampling and nonsampling error. Nonsampling error is the major concern with these data. For some of the most variable and important data items, such as traffic, guidelines for measurement and data collection have been produced. States have the option of using the guidelines or using their own procedures. Many data items are difficult and costly to collect and are reported as estimates not based on direct measurement. The data are collected and reported by many entities and individuals within the responsible organizations. Most do a reasonably good job, but staff turnover, cost, equipment issues, etc., can create difficulties.

States provide vehicle registration data to the FHWA. Vehicle registration data are shown on a calendar-year basis. Efforts are made to exclude transfers, re-registrations, and any other factors that could result in duplication in the vehicle counts. Registration practices for commercial vehicles differ greatly among the states. Some states register a tractor-semitrailer combination as a single unit; others

register the tractor and the semitrailer separately. Some states register buses with trucks or automobiles, while many states do not report house and light utility trailers separately from commercial trailers or semitrailers. Some states do not require registration of car or light utility trailers. In some instances, FHWA has supplemented the data supplied by the states with information obtained from other sources.

States also provide driver licensing data to the FHWA. Although efforts are made to minimize license duplication, drivers who move from one state to another are sometimes counted in both states until the license from the previous state of residence expires. Problems with the data also arise from the fact that: 1) some individuals obtain their drivers licenses in states other than those of legal residence; 2) some individuals fraudulently obtain multiple licenses; 3) not all individuals who drive are licensed; and 4) the purging of expired licenses or licenses from deceased individuals is not performed on a continual basis.

Additional information:

Contact: USDOT, Federal Highway Administration, Office of Highway Policy Information

Print source: USDOT, Federal Highway Administration, *Highway Statistics*. Washington, DC: Annual issues.

Internet: http://www.fhwa.dot.gov/ohim/index.html

Highway safety data

Fatalities: Highway fatality data are extracted from the Fatality Analysis Reporting System

(FARS), which is compiled by the U.S. Department of Transportation (USDOT), National Highway Traffic Safety Administration (NHTSA). Data are gathered from a census of police accident reports (PARs), state vehicle registration files, state drivers licensing files, state highway department data, vital statistics, death certificates, coroner/medical examiner reports, hospital medical reports, and emergency medical service reports. A separate form is completed for each fatal crash. Blood alcohol concentration (BAC) is estimated when not known. Statistical procedures used for unknown data in FARS can be found in the NHTSA report, A Method for Estimating Posterior BAC Distributions for Persons Involved in Fatal Traffic Accidents, DOT HS 807 094 (Washington, DC: July 1986).

Data are collected from relevant state agencies and electronically submitted for inclusion in the FARs database on a continuous basis. Cross-verification of PARs with death certificates helps prevent undercounting. Moreover, when data are entered, they are checked automatically for acceptable range values and consistency, enabling quick corrections when necessary. Several programs continually monitor the data for completeness and accuracy. Periodically, sample cases are analyzed for accuracy and consistency.

FARS data do not include motor vehicle fatalities on nonpublic roads. These are thought to account for about 2 percent or fewer of the total motor vehicle fatalities per year.

Injuries and crashes: NHTSA's General Estimates System (GES) data are a nationally representative sample of police-reported crashes that contributed to an injury or fatality or resulted in property damage and involved at least one motor vehicle traveling on a

Data Sources

trafficway. GES data collectors randomly sample PARs and forward copies to a central contractor for coding into a standard GES system format. Documents such as police diagrams or supporting text provided by the officers might be further reviewed to complete a data entry. A NHTSA study of injuries from motor vehicle crashes estimated the total count of nonfatal injuries at over 5 million compared with the GES's estimate of 3.2 million in 1998.

Additional information:

Contact: USDOT, National Highway Traffic Safety Administration, National Center for Statistics and Analysis

Print source: USDOT, National Highway Traffic Safety Administration, *Traffic Safety Facts*. Washington, DC: Annual issues.

Internet: http://www.nhtsa.dot.gov

International visitors data

Data on international visitors to the United States are based on international arrivals by air to the United States (excluding those from Canada and Mexico). Information is derived from the Immigration and Naturalization Service's (INS) Visitor Arrivals Program (I-94) and the U.S. Department of Commerce, Tourism Industries Office's Survey of International Air Travelers. The survey obtains data on overseas travel patterns, characteristics, and spending patterns of international travelers to and from the United States. Between 69,000 and 95,000 travelers are surveyed each year. The survey results are weighted so they represent the international travel populations of U.S. residents and nonresidents based upon Immigration and Naturalization Service data.

Additional information:

Contact: U.S. Department of Commerce (USDOC), International Trade Administration, Tourism Industries Office

Print source: USDOC, International Trade Administration, Tourism Industries Office, Overseas Visitors to Select U.S. States and Territories. Washington, DC: Annual issues; and USDOC, International Trade Administration, Tourism Industries Office, Overseas Visitors to Select U.S. Cities/Hawaiian Islands. Washington, DC: Annual issues.

Internet: http://tinet.ita.doc.gov/

Passenger border crossing data

U.S. Custom Service personnel collect passenger border-crossing entry data for all U.S. land, air, and maritime ports. These numbers reflect all entries, and it is not possible to divide these data into separate entries for same-day and overnight travel or by country of residence for the traveler. Additionally, for border-crossing figures, the total number of people is not the number of unique individuals, but rather indicates the number of border crossings. Multiple crossings by the same individual count as multiple border crossings.

Additional information:

Contact: USDOT, Bureau of Transportation Statistics, Office of Transportation Analysis

Internet: http://www.bts.gov

Railroad industry and shipments data

The Association of American Railroads (AAR) database aggregates data from several sources concerning the freight railroad industry and movement of freight, both nationally and statewide. The state-specific

data include commerce, employment, and financial contributions.

The primary source of data for Class I railroads is Schedule 700 of the R-1 Annual Report to the Surface Transportation Board (STB) by individual carriers (100 percent reporting) and the 2000 Carload Waybill Sample. The primary source of data for non-Class I railroads is AAR's Profiles of U.S. Railroads from statistics supplied annually by nearly all operating U.S. freight railroads. Some of the data are estimated based on more aggregated, national figures.

The STB defines Class I railroads as having operating revenues at or above a threshold indexed to a base of \$250 million (1991) and adjusted annually in concert with changes in the Railroad Freight Rate Index published by the Bureau of Labor Statistics.

Declassification from Class I status occurs when a railroad falls below the applicable threshold for three consecutive years. Although few in number, Class I railroads account for over 90 percent of the industry's revenue.

The AAR determines the number of non-Class I railroads through an annual survey sent to each U.S. freight railroad.

Historical reliability may vary due to changes in the railroad industry, including bankruptcies, mergers, and declassification by the STB. Small data errors may also have occurred because of independent rounding in this series by the AAR.

Additional information:

Contact: Association of American Railroads, Policy and Economics Department

Internet: http://www.aar.org

Railroad safety data

Railroads are required to file a report for each accident or incident to the Federal Railroad Administration (FRA). These include: 1) train accidents, reported on Form F 6180.54, comprised of collisions, derailments, and other events involving the operation of on-track equipment and causing reportable damage above an established threshold (\$6,600 in 1998); 2) highway-rail grade crossing incidents, reported on Form F 6180.57, involving impact between railroad on-track equipment and highway users at crossings; and 3) other incidents, reported on Form F 6180.55a, involving all other reportable incidents or exposures that cause a fatality or injury to any person or an occupational illness to a railroad employee.

Railroads are required by FRA regulations to use the current *FRA Guide for Preparing Accident/Incident Reports* when preparing reports.

The Systems Support Division of FRA maintains the Railroad Accident/Incident Reporting System (RAIRS), consisting of four databases: rail equipment, injury/illness, grade-crossing accidents, and railroad summary (freight and passenger). These databases include information on all railroad accidents, grade-crossing accidents, railroad employee casualties, and any other injuries on railroad property, and provide the basis for accident analyses and assessment as well as annual reports. The databases are updated monthly from information submitted by the railroads.

Additional information:

Contact: USDOT, Federal Railroad Administration, Office of Safety

Data Sources

Print publication: USDOT, Federal Railroad Administration, *Railroad Safety Statistics*. Washington, DC: Annual issues.

Internet: http://www.fra.dot.gov

Recreational boating safety and vehicles data

The U.S. Coast Guard, of the U.S. Department of Transportation, collects data on recreational boating accidents from two sources: 1)
Boating Accident Report (BAR) data forwarded to the Coast Guard by jurisdictions with an approved boat numbering and casualty reporting system, and 2) reports of Coast Guard investigations of fatal boating accidents that occurred on waters under federal jurisdiction. Recreational Boating Accident Investigation data are used if submitted to the Coast Guard and are relied on as much as possible to provide accident statistics. In the absence of investigations, information is collected from reports filed by boat operators.

Boat operators are required to file a BAR if an accident results in 1) loss of life, 2) personal injury that requires medical treatment beyond first aid, 3) damage to the vessel and other property exceeding \$500, or 4) complete loss of the vessel.

Boat operators are required to report their accidents to authorities in the state where the accident occurred. States with approved boat numbering systems furnish the Coast Guard with BAR data. The minimum reporting requirements are set by federal regulation, but states are allowed to have stricter requirements. The Coast Guard reports recreational boating safety data in the report *Boating Statistics*, which only covers accidents meeting the federal minimum reporting requirements.

The statistics in *Boating Statistics* cover boating accidents reported on waters of joint federal and state jurisdiction, and exclusive state jurisdiction.

The Coast Guard believes over 90 percent of fatal accidents are included in Boating Statistics. A smaller percentage of nonfatal accidents are reported because of reporting thresholds, ignorance of the law, and difficulties enforcing the law. Federal law does not require the reporting of accidents on private waters where states have no jurisdiction. Reports of accidents on such waters are included when received by the Coast Guard if they satisfy the other requirements of inclusion. Accidents excluded are those in which the boat was used as a platform for other activities (e.g., swimming), and those in which a person dies of natural causes aboard a boat. However, the data do include accidents involving people in the water who are struck by their boat or another boat.

Additional information:

Contact: USDOT, U.S. Coast Guard, Office of Boating Safety

Print source: USDOT, U.S. Coast Guard, Office of Boating Safety, *Boating Statistics*, Washington, DC: Annual issues.

Internet: http://www.uscgboating.org

Transborder surface freight data

The Transborder Surface Freight Dataset is extracted from the Census Foreign Trade Statistics Program and made available by the Bureau of Transportation Statistics. Import and export data are extracted from administrative records required by the Departments of Commerce and Treasury. This dataset incorporates all shipments entering or exiting the United States by surface modes of

transport (that is, other than air or maritime vessel) to and from Canada or Mexico. Prior to January 1997, this dataset also included transhipments in its detailed tables, that is, shipments entering or exiting the United States by way of U.S. Customs ports on the northern or southern borders, even when the actual origin or final destination of the goods was other than Canada or Mexico. Shipments that neither originate nor terminate in the United States (i.e., intransit shipments) are beyond the scope of this dataset because they are not considered U.S. international trade shipments.

Users should be aware that the trade data fields (such as value and commodity classification) are typically more rigorously reviewed than transportation data fields (i.e., mode of transportation and port of entry/exit). Users should also be aware that the use of foreign trade data to describe physical transportation flows might not be direct. For example, this dataset provides surface transportation information for individual Customs districts and ports on the northern and southern borders. However, because of filing procedures for trade documents, these ports may or may not reflect where goods physically crossed the border. This is because the filer of information may choose to file trade documents at one port, while shipments actually enter or exit at another port.

Import data are generally more accurate than export data. This is primarily due to the fact that Customs uses import documents for enforcement purposes, while it performs no similar function for exports.

Additional information:

Contact: USDOT, Bureau of Transportation Statistics, Office of Transportation Analysis

Internet: http://www.bts.gov

Transit operating, financial, and safety data

Transit data are from the National Transit
Database (NTD) produced by the USDOT,
Federal Transit Administration (FTA). Data
are collected from transit agencies that receive
Urbanized Area Formula Program funds.
Transit operators that do not report to FTA are
those that do not receive federal funding,
typically private, small, and rural operators.
FTA reviews and validates information
submitted by individual transit agencies.
Reliability may vary because some transit
agencies cannot obtain accurate information or
may interpret certain data definitions
differently than intended.

In 2000, 592 agencies reported to the NTD. Of that total, 67 transit agencies received exemptions from detailed reporting because they operated 9 or fewer vehicles, and 7 were excluded because their data were incomplete. Thus, 518 individual reporters were included in the NTD accounting for 90 to 95 percent of transit passenger-miles.

Data are collected on a range of variables including capital and operating funding, transit service supplied and consumed, and transit safety and security. Transit operators must report fatalities, injuries, accidents, incidents, and property damage in excess of \$1,000.

Additional information:

Contact: USDOT, Federal Transit

Administration

Print source: USDOT, Federal Transit Administration, *Data Tables*. Washington, DC: Annual issues; and USDOT, Federal Transit Administration, *National Transit Database Reporting Manual*. Washington,

DC: Annual issues.

Internet: http://www.fta.dot.gov

Transportation establishment, employees, and payroll data

Data on employees, establishments, and payroll are taken from County Business Patterns, a database of employment in the United States using the North American Industry Classification System (NAICS). Data are collected annually. Data are extracted from the Business Register, the Census Bureau's file of all known single and multiestablishment companies. The Annual Company Organization Survey and quinquennial Economic Censuses provide individual establishment data for multilocation firms. Data for single-location firms are obtained from various programs conducted by the Census Bureau, such as the Economic Censuses, the Annual Survey of Manufactures, and Current Business Surveys. They are also obtained from administrative records of the Internal Revenue Service (IRS). the Social Security Administration (SSA), and the Bureau of Labor Statistics (BLS).

Additional information:

Contact: USDOC, U.S. Census Bureau, Economic Planning and Coordination Division

Print source: USDOC, U.S. Census Bureau, [State]: County Business Patterns 1999. CBP/99-6. Washington, DC: 2001.

Internet: http://www.census.gov/epcd/cbp/view/cbpview.html

Vehicle Inventory and Use Survey

The Vehicle Inventory and Use Survey (VIUS) collects data on the physical and operational characteristics of private and commercial trucks in the United States. The 1997 VIUS sampled about 131,000 trucks from an estimated universe of over 75 million trucks. The sample excludes vehicles owned

by federal, state, and local government including ambulances, buses, motor homes, farm tractors, unpowered trailer units, and trucks reported to have been sold, junked, or wrecked prior to July 1, 1996. Light trucks registered as cars, as is the practice in many states, were included. Unregistered trucks used off-road are not included. Census delivered a mail-out/mail-back survey to the owner identified in the vehicle registration records. Data collection is staggered as state records become available. Owners report data only for the vehicles selected. The response rate for the 1997 VIUS was about 85 percent.

Additional information:

Contact: USDOC, U.S. Census Bureau, Service Sector Statistics Division

Print source: USDOC, U.S. Census Bureau, [state]: 1997 Vehicle Inventory and Use Survey. EC97TV-[state]. Washington, DC: 1999.

Internet: http://www.census.gov/svsd/www/tiusview.html

Waterborne imports and vessel data

The U.S. Department of Transportation's Maritime Administration (MARAD) classifies merchant-based vessels by size and type and reports this information in its annual publication, *Merchant Fleets of the World*. MARAD compiles these figures from a data service provided by Lloyd's Maritime Information Service. The parent company, Lloyd's Register (LR), collects data from several sources, including its offices around the world, data transfers and agreements with other classification societies, questionnaires to ship owners and shipbuilders, feedback from government agencies, and input from port agents.

MARAD's Office of Statistical and Economic Analysis maintains the waterborne databank used to compile the annual import and export statistics from monthly and quarterly data provided by the U.S. Army Corps of Engineers. MARAD publishes the data in reports of vessel movements, trade and cargo by type of service, U.S. and foreign port, country of origin/destination, commodity, value, weight, and containerized cargo.

MARAD distributes the reports and performs special tabulations and customized maritime data reports created for other government agencies and the private sector on a reimbursable basis. MARAD also provides these services for historic data and maintains the Schedule K Classification of Foreign Ports by Geographic Trade Area and Country.

Additional information:

Contact: USDOT, Maritime Administration, Office of Statistical and Economic Analysis

Print source: USDOT, Maritime Administration, *Merchant Fleets of the World*.

Internet: http://www.marad.dot.gov

Waterborne shipments data

The U.S. Army Corps of Engineers' (Corps) Navigation Data Center (NDC) collects data on waterborne commodity and vessel movements, domestic commercial vessel characteristics, port and waterway facilities, and navigation dredging projects.

The NDC's databases contain information on physical characteristics, infrastructure, and commodities for principal facilities on the U.S. coast, Great Lakes, and inland ports. The data consists of listings of port area's waterfront facilities, including information on berthing, cranes, transit sheds, grain elevators, marine repair plants, fleeting areas, and docking and storage facilities.

All vessel operators of record report their domestic waterborne traffic movements to the Corps via ENG Forms 3925 and 3925b. Cargo movements are reported according to points of loading and unloading. Excluded cargo movements are: 1) cargo carried on general ferries, 2) coal and petroleum products loaded from shore facilities directly into vessels for fuel use, 3) military cargo moved in U.S. Department of Defense vessels, and 4) cargo weighing less than 100 tons moved on government equipment. The Corps calculates ton-miles by multiplying the cargo's tonnage by the distance between points of loading and unloading.

An annual survey of companies that operate inland waterway vessels is the principal source of data for inland non self-propelled vessels, self-propelled vessels, and flag passenger and cargo vessels. More than 3,000 surveys are sent to these companies, and response rates are typically above 90 percent.

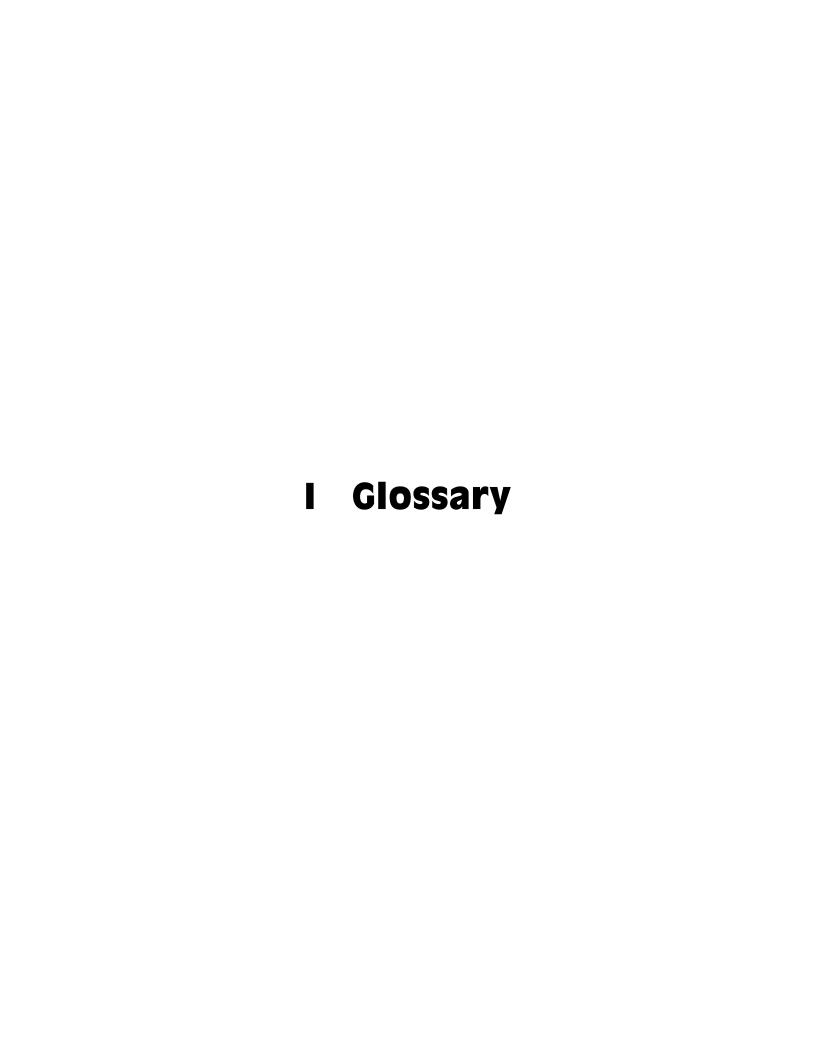
Additional information:

Contact: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center

Print source: U.S. Army Corps of Engineers, *Waterborne Commerce of the United States*. New Orleans, LA: Annual issues.

Internet: http://www.wrsc.usace.army.mil

H - 11



British thermal unit (Btu): The amount of energy required to raise the temperature of 1 pound of water 1 degree Fahrenheit (F) at or near 39.2 degrees F and 1 atmosphere of pressure.

Certificated airport: An airport holding an operating certificate issued by the Federal Aviation Administration in accordance with Code of Federal Regulations (CFR) Title 14, Chapter 1, Part 139 allowing it to serve scheduled or unscheduled air carrier aircraft designed for more than 30 passengers.

Commuter rail: Urban passenger train service for short-distance travel between a central city and adjacent suburb. Does not include rapid rail transit or light rail transit service.

Container: A box-like device used to store, protect, and handle a number of packages or items as a unit of transit that can be interchanged between trucks, trains, and ships without rehandling the contents.

Controlled right-of-way: Lanes restricted for at least a portion of the day for use by transit vehicles and other high occupancy vehicles (HOVs).

Demand responsive: Transit service provided without a fixed route and without a fixed schedule that operates in response to calls from passengers or their agents to the transit operator or dispatcher. Service is usually provided using cars, vans, or buses with fewer than 25 seats.

Directional route-miles: The mileage in each direction over which public transportation vehicles travel while in revenue service. Directional route-miles are a measure of the facility or roadway, not the service carried on the facility such as the number of routes or vehicle-miles.

Directional route-miles are computed with regard to direction of service, but without regard to the number of traffic lanes or rail tracks existing in the right-of-way.

Dry-bulk carrier (water): A ship with specialized holds for carrying dry cargo such as coal, grain, and iron ore in unpackaged bulk form.

Enplanements: The total number of revenue passengers boarding aircraft.

Exclusive right-of-way: Lanes reserved at all times for transit use and other high occupancy vehicles (HOVs).

Ferryboat (transit): Vessels that carry passengers and/or vehicles over a body of water. Generally steam or diesel-powered, ferryboats may also be hovercraft, hydrofoil, and other high-speed vessels. The vessel is limited in its use to the carriage of deck passengers or vehicles or both, operates on a short run on a frequent schedule between two points over the most direct water routes other than in ocean or coastwise service, and is offered as a public service of a type normally attributed to a bridge or tunnel.

Full container ship: Ships equipped with permanent container cells, with little or no space for other types of cargo.

Heavy rail: An electric railway with the capacity to transport a heavy volume of passenger traffic and characterized by exclusive rights-of-way, multi-car trains, high speed, rapid acceleration, sophisticated signaling, and high-platform loading. Also known as "subway," "elevated (railway)," or metropolitan railway (metro)."

Light rail: A streetcar-type vehicle operated on city streets, semi-exclusive rights-of-way, or exclusive rights-of-way.

Glossary

Service may be provided by step-entry vehicles or by level boarding.

Major arterial highway: A major highway used primarily for through traffic.

Metric ton: 2,205 pounds (2,000 pounds divided by 0.907).

Minor arterial: In rural areas, roads linking cities and larger towns. In urban areas, roads distributing trips to small geographic area but not penetrating identifiable neighborhoods.

Minor collector highway: In rural areas, routes that serve intracounty rather than statewide travel. In urban areas, streets that provide direct access to neighborhoods and arterials.

Mixed right-of-way: Lanes used for general automobile traffic.

Motor bus: A rubber-tired, self-propelled, manually steered bus with fuel supply onboard the vehicle. Motor bus types include intercity, school, and transit.

Natural gas distribution pipeline: Smaller than transmission pipelines and maintained by companies that distribute natural gas locally (intrastate). Distribution pipeline systems are analogous to networks of lesser roads and residential streets that people travel after getting off the freeway.

Natural gas transmission pipeline:

Analogous to a major freeway, it is the main interstate transportation route for moving large amounts of natural gas from the source of production to points of distribution.

Transmission pipelines are designed to move large amounts of natural gas from areas where the gas is extracted and stored

to the local distribution companies that provide natural gas to homes and businesses.

Principal arterial highway: Major streets or highways, many of multilane or freeway design, serving high-volume traffic corridor movements that connect major generators of travel.

Short ton: 2,000 pounds.

Tanker: An oceangoing ship designed to haul liquid bulk cargo in world trade.

Ton-mile: The movement of one ton of cargo the distance of one statute mile.

Trackage rights: The authority of one railroad to use the tracks of another railroad for a fee.

Trolley bus: Rubber-tired, electric transit vehicle, manually steered and propelled by a motor drawing current, normally through overhead wires, from a central power source.

Unlinked passenger trips: The number of passengers who board public transportation vehicles. A passenger is counted each time he or she boards a vehicle even if on the same journey from origin to destination.

Vanpool: Public-sponsored commuter service operating under prearranged schedules for previously formed groups of riders in 8- to 18-seat vehicles. Drivers are also commuters who receive little or no compensation besides the free ride.

Vehicle-miles traveled (highway): Miles of travel by all types of motor vehicles as determined by the states on the basis of actual traffic counts and established estimating procedures.

