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Section 18

TRANSPORTATION

This section presents statistics relating to public roads, motor vehicles, bicycles, traffic accidents, local public transit, civil aviation, harbors, and water traffic. Other information bearing on transportation appears in Sections 7, 12, 14, and 24.

The chief source for transportation statistics is the Hawaii State Department of Transportation's Highways, Harbors and Airports Divisions, and the Motor Vehicle Safety Office. Other sources include the U.S. Coast Guard, Federal Aviation Administration, Federal Highway Administration, Army Corps of Engineers, the U.S. Census Bureau, Honolulu Public Transit Authority, county finance departments, Hawaii Automobile Dealers Association, and individual transportation companies. Data for the entire period of record through 1976 appear in *Historical Statistics of Hawaii*, Section 17. Another source of long-term trend information is *What People Paid to Travel*, published by the Hawaiian Historical Society in 1991. Similar statistics for other areas are reported in the *Statistical Abstract of the United States: 2012*, Section 23.

The 2020 American Community Survey 1-year estimates were disrupted due to the COVID-19 pandemic. As a result, only experimental estimates were released. Because the experimental estimates should not be compared to other American Community Survey releases, 2020 estimates are not included in this section. Experimental estimates may be viewed at <https://www.census.gov/programs-surveys/acs/data/experimental-data/1-year.html>. The 2021 American Community Survey estimates were not disrupted and are included in this release.

**Table 18.01-- DISTANCES OF SELECTED STATE ROUTES
AND INTERSTATES: 2022**

Island and route	Description	Miles
Oahu		
Interstates		
H-1	Queen Lili'uokalani Freeway, Lunalilo Freeway	27.15
H-2	Veterans Memorial Freeway	8.32
H-3	John A. Burns Freeway	15.32
H-201	Moanalua Freeway	4.08
State routes		
61	Pali Hwy., Kalaniana'ole Hwy., Kailua Rd.	10.59
63	Kalihi St., Likelike Hwy.	8.30
64	Sand Island Parkway, Sand Island Access Rd.	2.61
65	Kaneohe Bay Dr, Mokapu Blvd., Mokapu Saddle Rd.	4.15
72	Kalaniana'ole Hwy.	18.43
80	Kamehameha Hwy.	1.89
83	Kamehameha Hwy., Kahekili Hwy., Likelike Hwy.	43.90
92	Nimitz Hwy., Ala Moana Blvd.	9.28
93	Farrington Hwy.	19.52
95	Malakole St.	2.70
98	Olomea St., Halona St., South Vineyard Blvd.	1.76
99	Kamehameha Hwy., Kamananui Rd., Wilikina Dr, Farrington Hwy.	23.84
750	Kunia Rd.	8.05
7110	Farrington Hwy.	0.60
7415	Middle St.	0.52
Hawaii		
State routes		
11	Kanoelehua Ave., Mamalahoa Hwy., Hawaii Belt Rd., Volcano Rd. Kuakini Hwy., Queen Kaahumanu Ext.	121.97
19	Kuhio St., Kalaniana'ole St., Kamehameha Ave., Pauahi St. Bayfront Hwy., Mamalahoa Hwy., Lindsey Rd., Hawaii Belt Rd. Kawaihae Rd., Queen Kaahumanu Hwy.	99.49
130	Keaau-Pahoa Rd., Pahoa-Kalapana Rd., Kaimu-Chain of Craters Rd.	21.82
190	Mamalahoa Hwy., Palani Rd.	38.97
200	Saddle Rd.	45.62
240	Mamane St., Honokaa-Waipio Rd.	9.59
270	Kawaihae Rd., Akoni Pule Hwy.	27.00
1950	Waiianuenue Ave., Kaumana Dr	7.85

Continued on next page.

**Table 18.01-- DISTANCES OF SELECTED STATE ROUTES
AND INTERSTATES: 2022 -- Con.**

Island and route	Description	Miles
Maui		
State routes		
30	High St., Honoapiilani Hwy., Kahekili Hwy.	41.62
31	Piilani Hwy.	7.15
36	Hana Hwy.	16.21
36A	Haleakala Hwy., Keolani Pl.	0.51
37	Haleakala Hwy., Kula Hwy.	21.34
310	North Kihei Rd.	3.59
311	South Puunene Ave., Maui Veterans Hwy.	6.41
340	Kahekili Hwy.	13.82
377	Haleakala Hwy., Kekaulike Pl.	9.14
380	Dairy Rd., Kuihelani Hwy.	6.17
3800	Kahului Airport Access Rd.	1.16
Kauai		
State routes		
50	Kaumualii Hwy.	32.92
51	Wapaa Rd., Rice St., Kapule Hwy.	3.45
56	Kuhio Hwy.	28.12
58	Nawiliwili Rd.	2.05
570	Ahukini Rd.	1.12
580	Kuamoo Rd.	6.68
583	Maalo Rd.	0.92
Molokai		
State routes		
450	Kamehameha V Hwy.	27.50
460	Kaunakakai Pl. & Maunaloa Hwy.	16.55
Lanai		
State Routes		
440	Kaumalapau Hwy. & Manele Rd.	13.17

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, Highway Performance Monitoring System (HPMS) database.

Table 18.02-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED, BY ISLAND: 2020 TO 2022

[As of December 31. Excludes private roads and military roads not regularly open to public use]

Island	Total mileage	Paved		Unpaved
		Interstates, freeways	Other	
2020, State total	4,501.03	88.49	4,238.73	173.81
Hawaii	1,508.47	-	1,448.47	60.00
Maui	658.98	-	601.88	57.10
Lanai	48.00	-	34.00	14.00
Molokai	136.32	-	124.32	12.00
Oahu	1,703.97	88.49	1,607.26	8.22
Kauai	445.29	-	422.80	22.49
Niihau	-	-	-	-
2021, State total	4,515.03	88.49	1/ 4,253.42	1/ 173.11
Hawaii	1,515.69	-	1/ 1,455.69	1/ 60.00
Maui	658.98	-	602.28	56.70
Lanai	48.00	-	34.00	14.00
Molokai	136.32	-	124.32	12.00
Oahu	1,710.55	88.49	1,614.13	7.92
Kauai	445.48	-	422.99	22.49
Niihau	-	-	-	-
2022, State total	4,523.54	88.49	4,261.16	173.89
Hawaii	1,516.63	-	1,456.63	60.00
Maui	661.95	-	604.68	57.27
Lanai	48.00	-	34.00	14.00
Molokai	136.32	-	124.32	12.00
Oahu	1,715.16	88.49	1,618.53	8.13
Kauai	445.48	-	422.99	22.49
Niihau	-	-	-	-

1/ Revised from previous *Data Book*.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, Highway Performance Monitoring System (HPMS) database.

Table 18.03-- HIGHWAY BRIDGES, BY ISLAND: DECEMBER 31, 2022

Island	Number of bridges 1/	Longest bridge		Highest bridge	
		Location	Length (feet)	Location	Height (feet)
Hawaii	135	Hakalau	775	Nanue	208
Maui	98	Honokahua	600	Uaoa	79
Lanai	-	None	-	None	-
Molokai	19	Manawainui	360	Manawainui	50
Oahu	445	Airport Viaduct	14,890	Kipapa	156
Kauai	55	Hanamaulu	1,150	Wahiawa, Koloa	90

1/ Limited to bridges under State jurisdiction and longer than 20 feet.

Source: Hawaii State Department of Transportation, Highways Division, records.

Table 18.04-- CONDITION OF BRIDGES: 2009 TO 2022

[Good (G), Fair (F), Poor (P): These terms are defined in accordance with the pavement and bridge condition performance measures final rule, published in January of 2017. Bridge condition is determined by the lowest rating of National Bridge Inventory (NBI) condition ratings for item 58 (deck), item 59 (superstructure), item 60 (substructure), or item 62 (culvert). If the lowest rating is greater than or equal to 7, the bridge is classified as good; if it is less than or equal to 4, the classification is poor. Bridges rated 5 or 6 are classified as fair.

Year	Bridge counts			Bridge area (square meters) 1/				
	Total	Good	Fair	Poor	Total	Good	Fair	Poor
2009	1,133	389	659	85	1,321,814	376,003	920,392	25,420
2010	1,137	380	679	78	1,323,345	378,464	919,875	25,006
2011	1,132	354	705	73	1,309,322	348,396	939,298	21,627
2012	1,131	347	712	72	1,313,634	306,144	984,599	22,892
2013	1,125	328	722	75	1,314,136	293,854	997,253	23,029
2014	1,137	486	581	59	1,389,453	417,881	879,437	18,605
2015	1,142	486	591	59	1,391,813	403,646	904,894	19,697
2016	1,132	436	634	62	1,319,917	358,370	942,557	18,989
2017	1,135	428	642	65	1,320,446	356,706	944,069	19,671
2018	1,137	355	704	78	1,324,180	326,663	968,926	28,592
2019	1,138	297	761	80	1,324,476	303,594	989,540	31,342
2020	1,153	246	823	84	1,362,885	263,181	1,064,802	34,901
2021	1,162	265	810	87	1,375,035	268,221	1,072,343	34,472
2022	1,177	284	819	74	1,421,369	341,471	1,041,228	38,669

1/ This term is defined in accordance with the pavement and bridge condition performance measures final rule, published in January of 2017. Bridge deck area is determined by multiplying length (NBI Item 49) by width. If NBI Item 52 (deck width) is greater than zero, this value is used for width in the calculation. If item 52 is zero or null, as in cases where the roadway is on a fill over the structure and headwalls do not affect the flow of traffic, NBI Item 32 (approach roadway width) is used for width in the calculation. For data prior to 2018, only item 52 is used for width in the calculation, regardless of its value.

Source: U.S. Department of Transportation, Federal Highway Administration, Bridges and Structures, *Bridges Condition by Highway System* <<https://www.fhwa.dot.gov/bridge/nbi/condition.cfm>> accessed June 14, 2023.

Table 18.05-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 2022

Island and name of tunnel	Length (feet)
Oahu	
Pali, Honolulu side	to Honolulu 1,049 from Honolulu 1,076
Pali, Kailua side	to Honolulu 524 from Honolulu 531
Wilson	to Honolulu 2,786 from Honolulu 2,804
H-3	to Honolulu 5,579 from Honolulu 5,569
H-3, Hospital Rock	to Honolulu 389 from Honolulu 382
Middle Street	359
Maui	
Olowalu	318
Kauai	
Kipu-Mahaulepu (private road)	2,200

Source: Hawaii State Department of Transportation, Highways Division, records; McBryde Sugar Plantation, records.

Table 18.06-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE: 2011 TO 2022

[Taxable and exempt vehicles. Includes vehicles registered but subsequently scrapped or shipped out of State]

Year	All vehicles registered	Motor vehicles			
		All motor vehicles	Passenger vehicles 1/	Ambulances, hearses, patrol wagons	Buses
2011	1,210,370	1,181,148	951,170	79	2,320
2012	1,310,286	1,278,233	1,033,975	91	2,621
2013	1,371,341	1,341,152	1,089,709	98	2,669
2014	1,312,445	1,284,193	1,042,818	105	2,565
2015	1,261,343	1,233,523	1,001,879	108	2,465
2016	1,261,557	1,232,731	1,000,684	119	2,377
2017	1,288,554	1,259,544	1,016,088	114	2,344
2018	1,295,574	1,267,136	1,023,774	103	2,278
2019	1,308,344	1,279,843	1,038,642	101	2,146
2020	1,262,538	1,235,139	1,000,939	105	1,940
2021	1,259,773	1,233,657	1,000,511	109	1,847
2022	1,280,068	1,241,543	1,008,471	107	1,796
		Motor vehicles -- con.			
Year	Trucks 1/	Truck tractors, tow trucks	Truck crane, misc.	Motor-cycles, motor-scooters 2/	Trailers and semi-trailers
2011	191,850	989	1,718	33,022	29,222
2012	200,124	1,183	2,016	38,223	32,053
2013	203,790	1,329	2,377	41,180	30,189
2014	196,892	1,405	2,637	37,771	28,252
2015	191,984	1,439	2,817	32,831	27,820
2016	194,043	1,454	2,972	31,082	28,826
2017	197,005	1,519	3,162	39,312	29,010
2018	195,849	1,561	3,635	39,936	28,438
2019	194,263	1,723	3,831	39,137	28,501
2020	189,547	1,927	3,800	36,881	27,399
2021	187,927	2,059	3,780	37,424	26,116
2022	186,860	2,131	3,819	38,359	25,622

1/ Vans, pickups, and other trucks under 6,500 lb. in personal use; legally classified as passenger vehicles; are included in the totals for trucks.

2/ Effective January 1, 2017 new mopeds were included in the motorcycles count, by December 31, 2017 all mopeds were included in the motorcycles count.

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

Table 18.07-- MOTOR VEHICLES REGISTERED, BY COUNTY: 1995 TO 2022

[Taxable and exempt vehicles. Includes passenger cars, ambulances, buses, trucks, motorcycles and vehicles registered but subsequently scrapped or shipped out of State. Excludes trailers and semi-trailers]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
1995	877,756	601,239	111,624	52,364	112,529
1996	884,617	598,772	115,647	52,984	117,214
1997	884,267	595,121	118,364	53,904	116,878
1998	893,427	594,096	121,959	56,554	120,818
1999	906,935	597,610	126,039	57,882	125,404
2000	941,242	614,985	132,305	61,316	132,636
2001	967,146	631,232	136,786	62,655	136,473
2002	987,598	643,810	142,150	63,580	138,058
2003	1,030,845	667,565	150,983	67,312	144,985
2004	1,072,211	688,163	159,627	71,517	152,904
2005	1,119,838	714,604	169,396	75,561	160,277
2006	1,127,467	719,606	173,786	74,734	159,341
2007	1,134,542	722,486	176,386	75,594	160,076
2008	1,127,567	719,640	175,166	74,344	158,417
2009	1,117,790	718,253	172,209	73,847	153,481
2010	1,120,080	720,267	171,974	73,563	154,276
2011	1,181,148	755,425	181,931	78,373	165,419
2012	1,278,233	814,361	197,273	85,292	181,307
2013	1,341,152	848,567	208,624	90,351	193,610
2014	1,284,193	816,738	199,336	85,652	182,467
2015	1,233,523	780,909	194,633	81,947	176,034
2016	1,232,731	776,653	196,647	81,751	177,680
2017	1,259,544	791,739	202,744	84,259	180,802
2018	1,267,136	793,379	205,682	85,748	182,327
2019	1,279,843	795,949	210,358	86,650	186,886
2020	1,235,139	769,543	204,983	82,656	177,957
2021	1,233,657	770,201	204,633	81,644	177,179
2022	1,254,446	776,485	210,791	84,104	183,066

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.08-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE,
BY COUNTY: 2022**

[Taxable and exempt vehicles. Includes vehicles registered but subsequently scrapped or shipped out of State]

Type of vehicle	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
All vehicles	1,280,068	787,908	218,014	87,217	186,929
Motor vehicles	1,254,446	776,485	210,791	84,104	183,066
Passenger vehicles 1/	1,021,374	646,091	166,128	62,846	146,309
Ambulances	107	48	26	14	19
Buses	1,796	1,329	245	82	140
Trucks 1/	186,860	98,683	38,681	18,193	31,303
Truck tractors	2,131	640	196	1,208	87
Truck cranes	3,819	3,414	210	81	114
Motorcycles, motorscooters	25,456	15,790	4,610	1,431	3,625
Mopeds	12,903	10,490	695	249	1,469
Trailers and semi-trailers	25,622	11,423	7,223	3,113	3,863

1/ Vans, pickups, and other trucks under 6,500 lb. in personal use, legally classified as passenger vehicles, are included in the totals for trucks.

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.09-- VEHICLE REGISTRATION, BY TAXATION STATUS,
BY COUNTY: 2022**

[Includes vehicles registered but subsequently scrapped or shipped out of State]

Taxation status	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
Total registered	1,280,068	787,908	218,014	87,217	186,929
Taxable vehicles	1,194,114	708,342	215,013	86,060	184,699
Exempt vehicles	85,954	79,566	3,001	1,157	2,230
Federal government	496	492	1	-	3
State government	8,408	8,389	17	-	2
County government	11,090	6,923	1,681	805	1,681
Fire department	411	79	150	101	81
Police department	1,865	1,287	402	39	137
Consulates	49	48	1	-	-
Disabled veterans	1,097	609	410	16	62
Military non-resident	56,774	56,574	29	114	57
Farm	188	79	91	2	16
Horseless carriage	46	40	1	5	-
National Guard	5,530	5,046	218	75	191

Source: Hawaii State Department of Transportation, Safe Communities Program, records.

**Table 18.10-- VEHICLES AVAILABLE TO OCCUPIED HOUSING UNITS,
BY COUNTY: 2021**

[For the American Community Survey 1-Year Estimates, data were released for geographic areas with populations of 65,000 or more. At this time Kalawao county does not meet this threshold. Data are based on a sample and are subject to sampling variability]

Vehicles available	State total	Hawaii	Honolulu	Kauai	Maui
Occupied units	490,080	72,194	338,093	23,464	56,319
None	40,721	2,625	34,087	1,307	2,702
1	161,793	23,912	114,352	6,214	17,315
2	172,870	26,386	113,940	8,660	23,874
3	69,519	11,922	46,169	4,092	7,336
4 or more	45,177	7,349	29,545	3,191	5,092

Source: U.S. Census Bureau, 2021 American Community Survey 1-Year Estimates, Household size by vehicles available, B08201 <https://data.census.gov/table?q=household+size+vehicles+available&g=040XX00US15_050XX00US15001,15003,15007,15009&tid=ACSDT1Y2021.B08201> accessed June 14, 2023.

Table 18.11-- TRUCK CHARACTERISTICS: 1987 TO 2002

Category	Selected characteristic	Percent of category			
		1987	1992	1997	2002
Total trucks (1,000)		160.8	280.3	294.2	351.4
Business 1/ Body type	Personal transportation Pickup, mini-van, other light van, and sport utility	60.5	61.7	70.1	74.0
Vehicle size	Light	91.2	93.8	94.9	95.9
Annual miles	Less than 10,000 2/	94.6	95.6	95.9	96.9
Model year	Over 4 years old	57.0	50.0	44.3	51.1
Vehicle acquisition	New	62.1	66.8	74.1	68.0
Truck type	Single-unit, 2 axles 3/	49.6	54.3	48.3	50.4
Range of operation	50 miles or less	96.4	96.6	97.7	98.1
Fuel type	Gasoline	80.2	79.3	81.2	70.5
		94.6	94.6	95.1	93.7

1/ Comparability of estimates may vary across survey years due to changes in category definitions.

2/ Includes vehicles not in use.

3/ Excludes truck-tractors not in use.

Source: U.S. Bureau of the Census, *Truck Inventory and Use Survey, 1992 Census of Transportation*, TC92-T-12 (December 1994), table 2 <<http://www.census.gov/prod/1/trans/92trkinv/tct12.pdf>>; U.S. Census Bureau, *2002 Economic Census, Vehicle Inventory and Use Survey, Geographic Area Series, Hawaii*, EC02TV-HI (October 2004), tables 1a and 2a <<http://www.census.gov/svsd/www/02vehinv.html>> accessed May 12, 2005.

Table 18.12-- NEW RETAIL LIGHT VEHICLE REGISTRATIONS: 1989 TO 2021

Year	Number	Year	Number	Year	Number
1989	57,456	2000	51,500	2011	35,576
1990	54,544	2001	51,388	2012	42,463
1991	47,783	2002	53,314	2013	48,705
1992	44,865	2003	62,712	2014	54,039
1993	45,249	2004	65,882	2015	57,094
1994	44,175	2005	70,268	2016	62,716
1995	41,083	2006	67,224	2017	62,457
1996	41,480	2007	54,492	2018	59,480
1997	42,487	2008	41,184	2019	57,323
1998	40,673	2009	32,878	2020	46,064
1999	45,054	2010	32,649	2021	57,851

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2022 Q1 and previous editions.

**Table 18.13-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS, BY NAMEPLATE: 2020 AND 2021**

Nameplate	2020	2021
Total	46,064	57,851
Acura	569	659
Audi	464	492
BMW	1,307	1,661
Buick	102	110
Cadillac	122	124
Chevrolet	2,448	2,414
Chrysler/Dodge/Jeep/Ram	3,023	3,815
Fiat	24	3
Ford	3,493	3,514
GMC	512	584
Honda	6,123	8,040
Hyundai	1,445	1,936
Infiniti	185	162
Jaguar	53	36
Kia	1,709	2,643
Land Rover	195	206
Lexus	1,313	1,723
Lincoln	46	77
Mazda	1,034	1,119
Mercedes	1,124	1,114
MINI	309	355
Mitsubishi	74	95
Nissan	3,554	4,304
Porsche	244	309
Subaru	2,099	2,750
Telsa	1,762	3,206
Toyota	11,436	14,720
Volkswagen	932	1,157
Volvo	275	297
All others	88	226

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2022 Q1.

**Table 18.14-- NEW RETAIL CAR AND LIGHT TRUCK (VAN)
REGISTRATIONS: 2020 AND 2021**

Type and place of manufacture	2020	2021
Total	46,064	57,851
Car	12,508	14,236
Light truck	33,556	43,615
Domestic brand	11,508	13,847
European brand	4,976	5,694
Japanese brand	26,387	33,574
Korean brand	3,193	4,736

Source: Hawaii Automobile Dealers Association, *HawaiiDealer*, 2022 Q1.

**Table 18.15-- HAWAII DRIVERS LICENSES IN FORCE, BY COUNTY:
1991 TO 2022**

[As of December 31]

Year	State total	City and County of Honolulu	County of Hawaii	County of Kauai	County of Maui
1991	699,664	501,260	86,181	38,894	73,329
1992	716,545	510,901	89,436	39,947	76,261
1993	734,381	522,016	92,264	41,910	78,191
1994	745,392	527,756	94,257	42,736	80,643
1995	732,508	516,780	94,048	42,041	79,639
1996	733,486	515,780	94,943	41,775	80,988
1997	738,865	517,904	96,665	42,079	82,217
1998	746,329	520,734	98,252	42,363	84,980
1999	752,693	521,671	100,331	43,141	87,550
2000	769,383	529,890	104,058	44,471	90,964
2001	787,820	542,244	106,557	45,424	93,595
2002	814,668	560,222	110,561	46,840	97,045
2003	834,188	572,665	113,760	48,047	99,716
2004	843,876	577,507	116,486	48,967	100,916
2005	856,163	584,492	119,741	49,880	102,050
2006	867,003	590,975	122,087	50,539	103,402
2007	882,466	600,264	125,063	51,504	105,635
2008	895,941	607,747	127,456	52,479	108,259
2009	905,704	614,783	128,692	52,925	109,304
2010	911,417	618,975	129,041	52,981	110,420
2011	915,033	621,769	129,087	53,184	110,993
2012	910,265	618,492	128,423	52,683	110,666
2013	904,500	612,380	128,537	52,998	110,585
2014	902,590	607,823	129,753	53,350	111,664
2015	918,768	617,293	132,461	54,445	114,569
2016	941,878	629,476	137,450	56,100	118,852
2017	950,481	634,231	139,028	56,519	120,703
2018	945,163	627,030	140,057	56,628	121,448
2019	944,159	622,673	142,285	57,061	122,140
2020	916,949	602,938	136,564	56,223	121,224
2021	930,861	612,712	137,414	57,110	123,625
2022	943,872	619,906	142,016	57,355	124,595

Source: Hawaii State Department of Transportation, Motor Vehicle Safety, records.

**Table 18.16-- HAWAII DRIVERS LICENSES IN FORCE, BY AGE AND SEX:
2021 AND 2022**

[As of December 31]

Years of age	Total		Male		Female		Gender X 1/	
	2021	2022	2021	2022	2021	2022	2021	2022
Total	930,861	943,872	472,873	478,433	457,787	465,076	201	363
15 to 19	22,054	23,908	11,407	12,485	10,639	11,388	8	35
20 to 24	57,157	58,104	29,037	29,502	28,090	28,538	30	64
25 to 29	66,421	65,558	33,399	32,756	32,980	32,738	42	64
30 to 34	81,839	81,522	41,025	40,787	40,787	40,684	27	51
35 to 39	83,974	83,362	42,139	41,678	41,813	41,650	22	34
40 to 44	80,886	82,997	40,585	41,588	40,281	41,370	20	39
45 to 49	74,837	75,448	37,904	37,965	36,918	37,465	15	18
50 to 54	79,579	79,895	40,737	40,922	38,831	38,950	11	23
55 to 59	81,661	80,181	41,786	40,817	39,866	39,352	9	12
60 to 64	83,032	83,710	42,334	42,777	40,694	40,928	4	5
65 to 69	78,884	80,335	40,074	40,681	38,804	39,643	6	11
70 to 74	66,060	68,748	34,016	35,252	32,039	33,490	5	6
75 to 79	41,274	44,986	21,227	23,037	20,045	21,948	2	1
80 to 84	19,931	21,513	10,260	11,065	9,671	10,448	-	-
85 to 89	9,385	9,589	4,818	4,948	4,567	4,641	-	-
90 to 94	3,361	3,440	1,810	1,843	1,551	1,597	-	-
95 to 99	526	576	315	330	211	246	-	-

1/ Effective July 1, 2020, an applicant can now choose “X” or “Not Specified” in the gender category instead of the binary “M” (Male) or “F” (Female).

Source: Hawaii State Department of Transportation, Motor Vehicle Safety, records.

Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1997 TO 2022, AND BY COUNTY, 2021 AND 2022

Year and county	Highway fuel consumption 1/		Annual vehicle miles of travel	
	Total (1,000 gallons)	Gallons per vehicle 2/	Total (millions)	Per vehicle 2/
1997	421,499	477	8,003.0	9,050
1998	422,928	473	8,090.2	9,055
1999	417,374	460	8,215.2	9,058
2000	428,425	455	8,525.7	9,058
2001	445,558	461	8,754.3	9,052
2002	477,518	484	8,937.3	9,050
2003	483,232	469	9,325.0	9,046
2004	498,816	463	9,734.6	9,042
2005	505,418	459	10,129.1	9,045
2006	531,505	471	10,196.3	9,044
2007	541,956	478	10,259.9	9,043
2008	540,910	480	10,189.1	9,036
2009	545,413	488	10,095.2	9,031
2010	500,987	447	10,111.0	9,027
2011	546,247	462	10,653.9	9,020
2012	520,544	407	11,517.7	9,011
2013	523,856	391	12,078.2	9,006
2014	524,642	416	10,173.5	8,409
2015	540,559	480	11,129.7	9,465
2016	531,740	457	11,132.0	9,430
2017	553,656	478	11,350.6	9,415
2018	544,658	430	11,417.6	9,011
2019	554,937	434	11,537.0	9,014
2020	439,087	355	11,140.9	9,020
2021	3/ 485,692	394	11,124.2	9,017
2022	499,566	400	11,251.4	9,017
County 2021				
Honolulu	273,340	355	6,701.6	8,706
Hawaii	104,339	510	1,983.6	9,704
Kauai	41,045	493	867.2	10,420
Maui	66,968	380	1,571.9	8,917
County 2022				
Honolulu	277,249	357	6,754.4	8,705
Hawaii	107,257	516	2,017.5	9,703
Kauai	45,215	539	874.9	10,424
Maui	69,845	388	1,604.6	8,913

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Table 18.17-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES, 1997 TO 2022, AND BY COUNTY, 2021 AND 2022 -- Con.

1/ Includes gasoline, diesel oil, and butanol.

2/ Based on motor vehicle total by county of inspection; includes both taxable and nontaxable vehicles, and all military nonresident exempt vehicles. Data include passenger cars, buses, trucks, and motorcycles but exclude trailers and semi-trailers.

3/ Derived from 2021 monthly liquid fuel tax base and tax collection reports.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, records.

Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2020 TO 2022

[Annual average daily traffic (AADT), the average of 24 hour counts collected every day in the year, unless otherwise specified]

Island and site	Route	Milepoint	2020	2021	2022
Oahu					
H-1 east of Kualakai Pkwy. overpass	H-1	3.43	77,000	87,900	88,500
H-1 west of Paiwa St. (Waikele interchange)	H-1	7.00	130,000	145,700	147,900
H-1 west of Kaonohi St. overpass	H-1	11.74	201,400	223,800	227,700
H-1 at Halawa Stream Bridge	H-1	13.54	81,900	92,200	96,900
H-1 at airport off-ramp	H-1	16.22	69,200	77,800	84,400
H-1 east of Keehi interchange	H-1	17.09	61,500	64,300	62,500
H-1 west of King St. tunnel	H-1	18.77	46,100	55,700	60,600
H-1 at Kalihi interchange	H-1	19.27	140,800	164,600	172,900
H-1 at Kapalama drainage canal Bridge	H-1	20.22	155,000	178,800	186,100
H-1 west of Nuuanu Stream Bridge	H-1	21.07	147,100	172,700	183,100
H-1 west of Ward Ave. overpass	H-1	22.10	135,500	162,900	172,500
H-1 east of Keeaumoku St. overpass	H-1	22.94	147,200	172,400	179,500
H-1 at McCully St. overpass	H-1	23.55	108,800	125,600	129,800
H-1 at Manoa-Palolo drainage canal	H-1	24.58	87,500	100,600	99,800
H-2 south of Pineapple Rd. overpass	H-2	4.02	80,900	88,900	89,400
H-3 west of North Halawa Valley Bridge	H-3	1.28	41,700	46,400	46,700
H-3 west of Kamehameha Hwy. interchange	H-3	10.37	23,300	25,800	25,800
Moanalua Freeway west of Kahuapaani St. overpass	H-201	0.20	40,100	48,100	50,300
Moanalua Freeway west of Moanalua St. Bridge	H-201	3.19	88,500	106,400	110,200
Pali Hwy. at tunnels	61	5.69	27,800	34,200	34,600
Likelike Hwy. before Kalihi St. off-ramp	63	1.30	32,400	37,100	38,500
Likelike Hwy. north of Valley View Drive	63	2.96	26,000	29,700	31,100
Sand Island Parkway north of Bascule Bridge	64	1.41	15,700	12,100	11,800
Mokapu Saddle Rd. east of John A. Burns Fwy. on/off-ramp	65	2.54	17,700	19,700	19,900

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Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2020 TO 2022 -- Con.

Island and site	Route	Milepoint	2020	2021	2022
Oahu - Con.					
Kalaniana'ole Hwy. east of Hawaii-Kai Marina Bridge	72	13.91	27,400	32,100	32,300
Kalaniana'ole Hwy. east of Ainakoa Ave.	72	18.32	66,500	76,500	77,500
Kamehameha Hwy. at Wilson Bridge	80	0.01	47,900	53,500	(NA)
Kamehameha Hwy. at South Fork Kaukonahua Stream	80	0.89	22,000	24,600	23,400
Joseph P Leong Hwy. north of Kamehameha Hwy. on/off-ramp	83	0.16	9,600	11,600	11,400
Kamehameha Hwy. 1.6 miles northeast of Johnson Rd.	83	30.59	10,000	12,100	12,300
Kamehameha Hwy./Nimitz Hwy. east of Aolele St.	92	1.61	21,200	23,500	23,700
Kamehameha Hwy./Nimitz Hwy. west of Kalihi Stream Bridge	92	3.66	8,600	9,500	9,800
Nimitz Hwy. east of Kalihi Stream Bridge	92	3.80	52,000	62,300	66,000
Nimitz Hwy. east of Sand Island Access Rd.	92	4.04	39,900	46,300	44,500
Nimitz Hwy. west of Halekauwila St. off-ramp	92	6.58	34,400	43,900	45,600
Farrington Hwy east of Hakimo Rd.	92	6.82	(NA)	39,200	39,300
Farrington Hwy. at Makaha Bridge #2	93	12.50	1/ 16,400	1/ 2/ 15,500	17,800
Kalaeloa Blvd. south of H-1 on-ramp	95	0.20	31,900	34,200	34,900
South Vineyard Blvd. west of Maunakea St.	98	0.86	14,900	17,000	17,900
South Vineyard Blvd south of Punchbowl St.	98	1.36	1/ 10,000	10,900	(NA)
Kamehameha Hwy. south of Kipapa Stream	99	14.54	23,300	27,000	28,100
Kamehameha Hwy. at Kaluaao Bridge	99	20.67	1/ 37,300	40,600	44,200
Kunia Rd near Kunia Dr.	750	4.81	12,100	13,000	12,100
Fort Barrette Rd. north of Roosevelt	901	0.07	(NA)	(NA)	12,400
Farrington Hwy west of Old Fort Weaver Rd.	7110	0.37	6,500	6,700	7,500
Middle St. across from the Bus Transit Center	7415	0.18	10,300	11,000	11,200

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Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2020 TO 2022 -- Con.

Island and site	Route	Milepoint	2020	2021	2022
Hawaii					
Kanoelehua Ave. near Pohaku St.	11	1.30	29,600	34,200	34,700
Volcano Rd. near Ikaika St.	11	5.29	39,400	44,800	45,400
Volcano Rd. at Glenwood Park	11	19.66	5,600	7,000	7,600
Mamalahoa Hwy. at State's Hwys. South Kona baseyard	11	104.14	6,100	7,600	7,900
Queen Kaahumanu Hwy. near Hualalai Rd.	11	120.98	21,100	24,300	24,700
Hawaii Belt Rd. north of Kalaoa Bridge	19	8.01	8,700	9,700	9,900
Kawaihae Rd. near Waiaka St.	19	58.90	7,800	9,700	10,000
Queen Kaahumanu Hwy. near Kaupulehu Dr.	19	83.60	9,700	14,100	15,100
Queen Kaahumanu Hwy. north of OTEC access Rd.	19	93.74	20,500	27,300	29,700
Keaau-Pahoa Rd. south of waste station Rd.	130	1.83	28,400	30,900	31,800
Hawaii Belt Rd. south of Lalamilo Farm Rd.	190	1.07	5,500	6,100	6,100
Saddle Rd. near Lava Rd.	200	33.04	4,000	5,600	6,200
Mamane St. near middle of route	240	4.98	1,200	1,500	1,400
Kawaihae Rd. next to Kawaihae Military Reservation	270	0.76	5,900	7,000	7,200
Kaumana Dr. after Puainako St.	1950	5.98	2,000	2,200	2,200
Maui					
Honoapiilani Hwy. near Keanu St.	30	0.50	11,200	12,400	12,700
Honoapiilani Hwy south of Waihuali St	30	4.05	11,200	13,500	14,000
Honoapiilani Hwy. near Ukumehame Park	30	12.14	17,200	25,900	27,600
Honoapiilani Hwy south of Hokiokio	30	19.48	1/ 11,660	10,700	11,300
Honoapiilani Hwy. south of Kaanapali Pkwy.	30	23.58	25,300	40,700	43,100
Honoapiilani Hwy. south of Maiha St.	30	29.57	6,000	7,700	8,700
Piilani Hwy. north of Wailea Ike Dr.	31	6.97	22,600	31,600	32,800
Hana Hwy. near Central Power Plant Rd.	36	1.70	30,500	35,000	35,700
Hana Hwy. near Baldwin Park	36	6.28	15,200	18,500	19,200
Hana Hwy. near Hookipa Park	36	8.72	11,200	13,400	13,600
Hana Hwy near North Holokai Rd	36	15.78	1/ 2,500	4,900	5,200

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Table 18.18-- TOTAL 24-HOUR TRAFFIC VOLUME AT SELECTED SURVEY SITES: 2020 TO 2022 -- Con.

Island and site	Route	Milepoint	2020	2021	2022
Maui - Con.					
Keolani Pl. near Palapala Dr.	36A	0.51	2,900	4,100	5,000
Kaleakala Hwy. near North Firebreak Rd.	37	0.60	26,600	30,200	31,000
Haleakala Hwy. west of Old Haleakala Hwy.	37	5.22	24,200	27,300	28,300
North Kihei Hwy. near 9th St.	310	0.86	11,900	16,500	17,200
Mokulele Hwy. near Nakii Rd.	311	2.38	25,800	33,100	34,600
Kahekili Hwy. south of Akakuu St.	340	0.55	5,900	6,600	6,500
Kekaulike Ave. north of Wahelani Rd.	377	7.38	920	1,000	960
Kuihelani Hwy. near Maulani Pkwy.	380	1.52	20,000	26,500	28,000
Kahului Airport Access Rd. west of Hana Hwy. intersection	3800	0.78	11,100	17,200	19,300
Kauai					
Kaumualii Hwy. near Nani St.	50	1.51	21,200	25,300	27,400
Kaumualii Hwy. at Puneo Rd.	50	8.35	13,700	14,300	14,800
Kaumualii Hwy. at entrance to Russian Fort Elizabeth State Park	50	22.37	9,000	10,500	11,300
Rice St. near Mokoi St.	51	0.79	9,900	11,900	13,200
Kuhio Hwy. near Huilei Rd.	56	2.40	11,400	13,300	14,700
Kuhio Hwy. northwest of Kolo Rd. and Kalamania Rd.	56	23.53	10,800	10,200	9,900
Nawiliwili Rd. near Kanani St.	58	1.44	9,600	11,400	12,600
Akuhuni Rd. near Palai St.	570	0.31	10,600	13,000	14,300
Kuamoo Rd. across Ohelo Rd.	580	2.28	7,800	8,300	8,200
Maalo Rd. next to Kauai Memorial Gardens	583	0.47	570	850	1,200
Lanai					
Kaumalapau Hwy. west of Miki Rd.	440	4.07	820	1,000	1,100

1/ Annual Daily Traffic (ADT) counts.

2/ Revised from previous *Data Book*.

Source: Hawaii State Department of Transportation, Highways Division, Planning Branch, Highway Performance Monitoring System (HPMS) database.

Table 18.19-- ROADWAY CONGESTION FOR URBAN HONOLULU: 2017 TO 2020

Subject	2017	2018	2019	2020
Population (1,000s)	850	850	850	850
Auto commuters (1,000s) 1/	384	384	384	384
Daily vehicle-miles of travel (1,000s)				
Freeway	6,488	6,545	6,559	4,670
Arterial streets	3,267	3,344	3,314	2,360
Cost components				
Value of time (\$/hour)	18.12	18.71	19.14	20.17
Commercial value of time (\$/hour)	52.14	54.71	49.49	55.24
Gasoline (\$/gallon)	3.07	3.84	3.66	3.54
Diesel (\$/gallon)	4.04	4.21	4.26	4.16
Annual excess fuel consumed 2/				
Total fuel (1,000 gallons)	15,689	15,819	16,276	5,645
Fuel per auto commuter (gallons)	29	29	30	10
Annual delay 3/				
Total delay (1,000s of person-hours)	36,378	37,464	38,532	13,365
Delay per auto commuter (person-hours) 4/	64	66	68	24
Congestion cost				
Total cost (\$ million)	5/ 794	833	850	308
Cost per auto commuter (\$)	5/ 1,449	1,522	1,552	562

1/ Number of travelers who begin a trip during the morning or evening peak travel periods (6 to 10 a.m. and 3 to 7 p.m.).

2/ Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

3/ The overall size of the congestion problem. Measured by the total travel time above that needed to complete a trip at free-flow speeds.

4/ A yearly sum of all the per-trip delays for those persons who travel in the peak period (6 to 10 a.m. and 3 to 7 p.m.). This measure illustrates the effect of the per-mile congestion as well as the length of each trip.

5/ Revised from previous *Data Book*.

Source: Texas Transportation Institute, *2021 Urban Mobility Report* <<http://mobility.tamu.edu/ums/report/>> accessed June 2, 2022.

Table 18.20-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS, 2002 TO 2021, AND BY COUNTY, 2020 AND 2021

Year	Major traffic accidents 1/		Persons injured or killed	
	Total	Fatal 2/	Injured only	Killed 2/
2002	10,659	116	8,947	119
2003	11,289	117	9,088	133
2004	11,002	128	8,827	142
2005	10,592	129	8,574	140
2006	10,260	144	8,151	161
2007	9,531	123	7,476	138
2008	8,247	102	6,427	107
2009	7,377	99	5,784	109
2010	7,944	108	6,444	113
2011	7,457	97	6,584	100
2012 3/	8,667	115	6,375	125
2013 3/	9,267	94	6,268	102
2014 3/	10,404	95	6,920	95
2015 3/	10,358	85	6,798	93
2016 3/	9,452	109	6,800	120
2017 3/	9,074	96	6,664	107
2018 3/	8,406	110	6,429	117
2019 3/	8,004	102	6,211	108
2020 3/	5,257	81	3,989	85
2021 3/	5,966	94	4,758	94
County 2020 3/				
Honolulu	3,654	49	2,679	53
Hawaii	626	15	468	15
Kauai	362	7	241	7
Maui	615	10	601	10
County 2021 3/				
Honolulu	4,129	50	3,226	50
Hawaii	832	26	653	26
Kauai	381	16	231	16
Maui	624	2	648	2

1/ Effective 1991, includes only accidents with damage of \$1,000 or more or causing injury or death.
 Effective June 20, 1995, includes only accidents with damage of \$3,000 or more or causing injury or death.

2/ Effective 2005, based on Fatality Analysis Reporting System (FARS) data published by the National Highway Traffic Safety Administration.

3/ Preliminary.

Source: Hawaii State Department of Transportation, Highways Division/Traffic Branch, records.

Table 18.21-- DRIVERS INVOLVED IN FATAL CRASHES AND BLOOD ALCOHOL CONCENTRATION (BAC) OF THE DRIVER: 2018 TO 2020

[Blood alcohol concentration (BAC) is measured in grams per deciliter (g/dl), one deciliter = 1/10 liter. Totals may not equal sum of county totals due to independent rounding. Also, percentages as displayed are calculated from unrounded number of estimated fatalities and may not equal those calculated from the rounded numbers (especially for counties with very few fatalities)]

County	All drivers	No alcohol BAC = 0.00		Any alcohol BAC = 0.01 +		BAC = 0.01 - 0.07		BAC = 0.08 +	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
2018, State total	156	105	67	51	33	12	8	39	25
Hawaii	48	33	69	15	31	5	9	10	21
Honolulu	80	54	68	26	32	5	7	20	25
Kauai	8	6	70	2	30	1	15	1	15
Maui	20	12	60	8	40	1	5	7	36
2019, State total	146	103	1/ 71	43	1/ 29	1/ 8	6	35	24
Hawaii	36	24	1/ 68	1/ 11	1/ 32	1/ 2	7	1/ 9	1/ 25
Honolulu	68	53	78	15	22	2	3	13	1/ 20
Kauai	14	1/ 9	1/ 65	5	1/ 35	(NA)	1/ 1	1/ 5	1/ 32
Maui	28	17	60	11	40	4	13	8	1/ 28
2020, State total	114	81	71	33	29	8	7	25	22
Hawaii	24	19	78	5	23	(NA)	1	5	22
Honolulu	65	46	71	19	29	5	7	14	22
Kauai	10	5	53	5	47	(NA)	2	5	45
Maui	15	11	73	4	27	3	20	1	7

NA Not available.

1/ Data revised from previous *Data Book*.

Source: U.S. Department of Transportation, National Highway Traffic Safety Administration (NHTSA), National Center for Statistics & Analysis (NCSA), Fatality Analysis Reporting System (FARS), FARS Encyclopedia: Reports, FARS Encyclopedia: States - Alcohol
<http://www-fars.nhtsa.dot.gov/> accessed June 14, 2023.

**Table 18.22-- REGISTERED TAXICABS AND BICYCLES, BY COUNTY:
2020 TO 2022**

Island	Taxicabs 1/			Bicycles and mopeds 2/		
	2020	2021	2022	2020	2021	2021
Hawaii	170	145	170	5,850	4,480	3,657
Maui	233	(NA)	(NA)	4,487	(NA)	(NA)
Oahu	(3/)	(3/)	(3/)	571,223	(NA)	(NA)
Kauai 4/	-	-	-	4/ 128	(4/)	(4/)

NA Not available.

1/ Taxicabs are licensed annually, except in Kauai County where registration is not required. Oahu data are for fiscal year July 1 to June 30.

2/ Bicycles with wheels having a diameter of 20 inches or more were formerly licensed on an annual basis, have, since November 1, 1988, been registered biennially, see SLH 1988, Act 264, sec. 1; the Honolulu County registrations are permanent with no annual renewals. Act 200 of the Hawaii Session Laws of 2016, requires the annual registration and safety inspection of mopeds beginning January 1, 2017.

3/ Taxicabs are no longer inspected by the city, as they are now self-certifying.

4/ As of January 1, 1999, bicycles are issued a permanent bicycle tag which is good for the life of the bicycle.

Source: Compiled by the Hawaii State Department of Business, Economic Development & Tourism. Data provided by the Department of Finance of the counties of Hawaii, Maui and Kauai, and the Department of Customer Services of the City & County of Honolulu.

**Table 18.23-- PASSENGER CAR RENTAL AND LEASING (NAICS 53211),
BY COUNTY: 1997 TO 2017**

[Includes only establishments with payroll. Statistics based on the North American Industry Classification System (NAICS)]

Subject	State total	Hawaii	Honolulu	Kauai	Maui
Number of establishments					
1997	63	11	25	(NA)	19
2002	64	13	19	10	22
2007	102	25	40	11	26
2012	116	26	45	16	29
2017	171	(D)	(D)	21	(D)
Revenue (\$1,000)					
1997	347,624	45,172	154,679	(NA)	104,759
2002	478,241	70,509	208,435	61,100	138,197
2007	(D)	103,774	(D)	82,207	(D)
2012	728,725	108,308	(D)	96,896	(D)
2017	874,008	(D)	(D)	136,087	(D)

NA Not available.

D Withheld to avoid disclosing data for individual companies.

Source: U.S. Census Bureau, *1997 Economic Census, Real Estate and Rental and Leasing, Geographic Area Series, Hawaii*, EC97F53A-HI, (Aug. 1999), tables 1 and 3 <<http://www.census.gov/epcd/www/97EC53.HTM>>; *2002 Economic Census, Real Estate and Rental and Leasing, Geographic Area Series, Hawaii*, EC02-53A-HI, (Dec. 2004), tables 1 and 3 <http://www.census.gov/econ/census02/guide/02EC_HI.HTM> accessed February 25, 2005; *2007 Economic Census, Real Estate and Rental and Leasing: Geographic Area Series: Hawaii* <<http://www.census.gov/econ/census07/>> accessed June 1, 2010; *2012 Economic Census, Real Estate and Rental and Leasing: Geographic Area Series: Summary Statistics for the U.S., States, Metro Areas, Counties, and Places: 2012* <<http://www.census.gov/econ/census/help/sector/gas.html>> accessed June 19, 2015; *2017 Economic Census, Real Estate and Rental and Leasing: Summary for the U.S., States, and Selected Geographies: 2017* <<https://data.census.gov/cedsci/table?q=EC1753BASIC&g=0400000US15,15.050000&hidePreview=true&tid=ECNBASIC2017.EC1753BASIC&vintage=2017&n=N0500.00>> accessed July 11, 2020.

Table 18.24-- MOTOR CARRIER CHARACTERISTICS, BY COUNTY: 2022

[As of September]

County	Passenger carriers 1/			Property carriers 2/	
	Number of carriers	Number of vehicles	Seating capacity	Number of carriers	Number of vehicles
State total	1,362	6,082	119,747	5,971	25,219
Hawaii	215	1,020	19,786	1,316	5,171
Maui	153	1,343	28,453	1,040	4,012
Honolulu	901	3,224	58,373	3,010	13,863
Kauai	93	495	13,135	605	2,173

1/ Includes mostly tour bus operators; excludes public transit, school buses, taxicabs, and rental car companies.

2/ Includes truckers, moving companies, etc.

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

Table 18.25-- PUBLIC TRANSIT, FOR OAHU: 1993 TO 2022

[As of June 30. Service provided by City and County of Honolulu bus system]

Year	Number of buses 1/	Bus mileage 2/	Total passengers 3/	Revenues (dollars)
1993	470	18,120,044	76,136,390	19,837,616
1994	501	18,396,694	77,338,147	23,897,154
1995	508	19,031,466	72,745,086	25,058,736
1996	523	19,090,912	68,923,459	30,420,976
1997	524	19,452,526	68,634,884	29,804,091
1998	525	19,665,805	71,822,553	29,197,402
1999	525	19,639,602	66,236,147	27,819,265
2000	525	20,359,607	66,602,820	27,055,656
2001	529	21,710,838	70,384,025	26,963,518
2002	525	21,800,354	73,524,474	30,602,648
2003	525	21,482,533	69,100,627	30,114,566
2004 4/	536	19,380,256	61,297,980	33,652,238
2005	496	21,558,149	67,406,827	39,925,419
2006	499	21,166,957	70,384,355	41,531,437
2007	524	21,075,502	71,749,376	41,742,352
2008	528	21,536,584	69,759,954	41,984,132
2009	530	21,502,920	77,329,706	42,454,923
2010	530	21,324,615	73,158,633	45,874,670
2011	516	21,378,394	73,832,127	51,721,436
2012	515	21,233,308	76,296,482	54,774,006
2013	526	20,310,301	69,242,214	55,038,042
2014	519	20,707,063	66,285,449	54,976,149
2015	521	21,229,733	69,327,213	55,064,804
2016 5/	543	21,545,265	68,314,175	53,216,236
2017	546	20,999,788	65,276,018	51,441,589
2018	546	21,258,894	64,119,604	54,147,373
2019	546	21,441,853	62,554,365	54,693,193
2020 6/	543	21,881,186	48,536,030	44,318,132
2021	540	20,143,347	27,814,569	25,110,510
2022	461	19,881,153	34,753,527	31,888,794

1/ Buses in active fleet and an additional shuttle service.

2/ Estimated number of vehicle miles.

3/ Estimated number of passengers, including senior citizens and disabled.

4/ Bus strike for 34 days.

5/ As of 2016, all statistics compiled include additional shuttle service.

6/ Kalaeloa shuttle service ended in August 2019.

Source: City and County of Honolulu, Department of Transportation Services, Transportation Mobility Division, records.

Table 18.26-- BUS FARE CHRONOLOGY, FOR OAHU: 1971 TO 2023

[As of January 1, 2023. In dollars]

Effective date	One-way cash fare		Monthly pass	
	Adult 1/	Youth 2/	Adult 1/	Youth 2/
March 1, 1971	.25	.15	(X)	(X)
March 2, 1971	.25	.10	(X)	(X)
June 9, 1972 3/	.25, .50	.10, .25	(X)	(X)
March 15, 1974	.25	.10	(X)	(X)
November 1, 1979	.50	.25	15.00	7.50
June 18, 1984	.60	.25	15.00	7.50
October 1, 1993	.85	.25	20.00	7.50
July 1, 1995	1.00	.50	25.00	12.50
July 1, 2001	1.50	.75	27.00	13.50
July 1, 2003	1.75	.75	30.00	13.50
October 1, 2003	2.00	1.00	40.00	20.00
July 1, 2009 4/	2.25	1.00	50.00	25.00
July 1, 2010 5/	2.50	1.25	60.00	30.00
January 1, 2018 6/ 7/	2.75	1.25	70.00	35.00
July 1, 2022 8/	3.00	1.50	80.00	40.00
January 1, 2023 8/	3.00	1.50	80.00	40.00

X Not applicable.

1/ Adult means any person over the age of 17 who does not qualify as a youth.

2/ Youth means a person 6 through 17 years of age, subject to the presentation of a valid identification card establishing the age of the person. The term includes high school students, up to 19 years of age, with a valid high school identification card establishing the age of the student and the student's current enrollment, but excludes college, university and vocational training students if over the age of 17.

3/ Zone fares initiated and later eliminated.

4/ Other fares: annual pass, adult \$550.00; youth \$275.00.

5/ Other fares: annual pass, adult \$660.00; youth \$330.00.

6/ As of October 1, 2017 transfers have been discontinued. Other fares: 1-day pass, adult \$5.50; youth \$2.50; annual pass, adult \$770.00; youth \$385.00.

7/ As of June 20, 2021 paper bus pass sales have been discontinued, being replaced with HOLO card. Effective July 1, 2021 HOLO fare capping which is maximum amount charged for the time specified: adult, daily \$5.50; monthly \$70.00; youth, daily \$2.50; monthly \$35.00.

8/ Other fares: annual pass, adult \$880.00; youth \$440.00. HOLO fare capping which is maximum amount charged for the time specified: adult, daily \$7.50; monthly \$80.00; youth, daily \$3.75; monthly \$40.00.

Source: City and County of Honolulu, Honolulu Public Transit Authority, records; Department of Transportation Services, records; TheBus Oahu Transit Services, Inc.

<<http://www.thebus.org/Fare/FarePasses.asp>> accessed June 14, 2023.

Table 18.27-- AIRPORTS AND HELIPORTS, BY CONTROL, BY ISLAND: 2016

[As of December 31]

Island	Airports 1/				Helicopters 3/	
	State 2/		Military	Semi-private	State: commercial	Semi-private
	Com-mercial	General aviation				
State total	9	7	4	1	-	6
Hawaii	2	2	1	-	-	5
Maui	2	1	-	-	-	-
Kahoolawe	-	-	-	-	-	-
Lanai	1	-	-	-	-	-
Molokai	1	1	-	-	-	-
Oahu	1	2	2	-	-	1
Kauai	1	1	1	1	-	-
Niihau	-	-	-	-	-	-
Kure Atoll 4/	1	-	-	-	-	-

1/ Excludes private airports.

2/ Three airports classified as general aviation fields (Waimea-Kohala, Hana, and Kalaupapa) provide regular air service.

3/ Excludes military and private heliports.

4/ Owned by the U.S. Department of the Interior, Fish and Wildlife Service.

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 18.28-- DANIEL K. INOUE INTERNATIONAL AIRPORT AIRCRAFT OPERATIONS AND ENPLANED PASSENGERS: 2000 TO 2021

[Fiscal year ending June 30]

Year	Aircraft operations 1/	Enplaned passengers 2/	Rank 3/
2000	237,188	10,815,367	23
2001	231,388	10,150,357	24
2002	219,286	9,108,574	25
2003	213,995	9,148,533	24
2004	217,151	9,250,413	25
2005	250,780	9,629,674	26
2006	246,383	9,583,299	25
2007	249,607	10,237,304	25
2008	228,420	9,450,696	25
2009	219,158	8,615,603	25
2010	202,150	8,633,599	25
2011	206,789	8,598,902	27
2012	214,947	9,014,375	27
2013	223,083	9,484,443	27
2014	234,594	9,422,406	27
2015	242,442	9,483,424	28
2016	244,612	9,668,758	28
2017	258,154	9,702,565	28
2018	252,800	9,637,810	30
2019	324,579	9,804,277	(NA)
2020	222,451	5,104,712	(NA)
2021	246,518	4,559,074	(NA)

NA Not available.

1/ Includes itinerant air carrier and air taxi only.

2/ Includes air carrier, commuter and international.

3/ Ranking of top 100 FAA towers by total enplanements, 1 for highest number of passengers.

Source: U.S. Department of Transportation, Federal Aviation Administration, *Terminal Area Forecast Summary* (annual) <https://www.faa.gov/data_research/aviation/taf/> accessed June 3, 2022; and for 2021, Query Data <<https://taf.faa.gov/>> accessed June 15, 2023.

Table 18.29-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE-OWNED AIRPORTS: 2020 TO 2022

[An FAA directive dated December 8, 1987, requires all aircraft with 60 seats or less to be designated as air taxis, even if such aircraft are operated by a designated air carrier. This reclassification especially affects the data for Molokai Airport]

Airport	Total operations	Air carrier	Air taxi	General aviation	Military
2020					
Daniel K. Inouye International	186,985	96,211	44,831	33,952	11,991
Kahului	79,346	26,825	26,360	24,692	1,469
Ellison Onizuka Kona Int'l	92,849	17,320	8,278	61,056	6,195
Lihue	41,740	13,764	16,309	9,410	2,257
Hilo International	25,891	11,299	2,849	8,682	3,061
Molokai	26,354	3	20,566	4,724	1,061
Kalaeloa	177,991	-	13	158,025	19,953
2021					
Daniel K. Inouye International	274,785	125,025	89,871	46,103	13,786
Kahului	138,693	54,081	56,838	26,206	1,568
Ellison Onizuka Kona Int'l	96,395	30,398	11,869	48,001	6,127
Lihue	82,201	22,347	45,428	12,534	1,892
Hilo International	36,526	13,123	9,377	10,873	3,153
Molokai	25,702	-	21,065	4,168	469
Kalaeloa	167,430	-	-	146,106	21,324
2022					
Daniel K. Inouye International	316,732	145,511	102,365	52,306	16,550
Kahului	149,589	61,801	64,354	22,119	1,315
Ellison Onizuka Kona Int'l	103,579	34,009	11,756	52,596	5,218
Lihue	123,025	30,639	73,013	17,591	1,782
Hilo International	47,039	14,372	17,807	10,521	4,339
Molokai	33,365	-	28,759	4,044	562
Kalaeloa	183,683	-	-	162,283	21,400

Source: Federal Aviation Administration, Air Traffic Activity System, Airport Operations: Standard Report <<https://aspm.faa.gov/opsnet/sys/main.asp>> accessed on June 15, 2023; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 18.30-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:
1991 TO 2022**

[An aircraft operation is an aircraft arrival or departure]

Year	Daniel K. Inouye International Airport	Hilo International Airport	Ellison Onizuka Kona International Airport	Kahului Airport	Lihue Airport	Molokai Airport
1991	403,566	88,206	56,140	180,857	112,679	47,898
1992	403,628	91,055	63,939	178,752	103,686	35,662
1993	358,505	92,297	59,904	172,265	70,910	39,057
1994	359,569	86,292	66,438	179,227	91,582	38,369
1995	373,926	84,917	73,537	179,883	97,400	45,517
1996	372,268	87,862	77,025	178,590	106,332	49,221
1997	358,784	101,521	87,358	173,342	111,349	44,667
1998	334,046	112,479	81,285	180,890	105,979	49,353
1999	346,609	115,820	82,955	188,385	115,523	49,184
2000	345,771	115,546	98,052	174,855	113,850	44,691
2001	327,006	96,238	107,793	160,324	103,655	43,806
2002	323,726	97,540	123,704	157,868	102,426	43,065
2003	301,919	99,415	119,210	151,558	97,576	40,944
2004	320,520	107,880	137,918	160,552	104,506	36,757
2005	330,506	108,462	154,967	168,449	107,497	39,364
2006	317,317	96,724	143,411	164,992	118,169	39,685
2007	310,607	96,011	144,537	148,034	116,461	37,615
2008	286,593	75,598	127,796	128,022	113,371	31,200
2009	274,434	67,851	109,581	118,800	99,171	24,295
2010	263,440	78,663	124,889	118,896	106,815	26,491
2011	263,354	78,687	111,968	122,449	100,487	30,274
2012	278,145	79,064	116,654	130,010	118,431	34,672
2013	290,237	94,311	118,037	128,303	126,302	34,518
2014	311,138	86,983	129,655	128,612	126,577	34,363
2015	312,655	81,269	135,064	134,674	132,398	37,328
2016	305,608	80,713	116,710	136,654	129,120	44,822
2017	311,857	91,411	113,947	147,386	129,572	38,622
2018	311,814	82,840	121,542	149,031	137,958	40,541
2019	326,837	59,620	119,382	158,961	126,833	43,451
2020	186,985	25,891	92,849	79,346	41,740	26,354
2021	274,785	36,526	96,395	138,693	82,201	25,702
2022	316,732	47,039	103,579	149,589	123,025	33,365

Source: For 1991 to 2015, Hawaii State Department of Transportation, Airports Division, records; For 2016 to 2022, Federal Aviation Administration, Air Traffic Activity System, Airport Operations: Standard Report <<https://aspm.faa.gov/opsnet/sys/main.asp>> accessed on June 15, 2023.

Table 18.31-- TRANSPACIFIC AND INTER-ISLAND AIR CARRIERS SERVING HAWAII: 2011 TO 2022

[Includes both scheduled and nonscheduled service, and also commuter lines and other air taxi service]

Service	2011	2012	2013	2014	2015	2016
All carriers	37	38	36	36	36	35
Transpacific only	26	28	26	27	28	27
Domestic	12	16	14	14	14	13
Foreign	14	12	12	13	14	14
Transpacific and interisland	1	1	1	1	1	1
Interisland only	10	9	9	8	7	7
Passenger carriers	6	6	6	5	4	4
Cargo and mail only	4	3	3	3	3	3
Service	2017	2018	2019	2020	2021	2022
All carriers	42	38	39	34	30	34
Transpacific only	35	31	32	24	19	24
Domestic	19	15	16	11	11	9
Foreign	16	16	16	13	8	15
Transpacific and interisland	1	1	2	6	7	8
Interisland only	6	6	5	4	4	2
Passenger carriers	3	2	2	2	2	1
Cargo and mail only	3	4	3	2	2	1

Source: Hawaii State Department of Transportation, Airports Division, records; and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

Table 18.32-- ESTIMATED SCHEDULED AIRLINE SEAT CAPACITY FOR ARRIVING FLIGHTS: 2020 TO 2022

[Non-stop flights only]

Airport	2020	2021	2022
State of Hawaii	5,318,667	10,735,084	12,745,630
Daniel K. Inouye International	3,370,122	5,491,101	6,910,186
Kahului	1,102,166	3,020,388	3,290,742
Ellison Onizuka Kona International	514,422	1,363,124	1,350,934
Hilo International	8,964	38,756	47,433
Lihue	322,993	821,715	1,146,335
Domestic	4,293,258	10,281,269	11,091,248
International	1,025,409	453,815	1,654,382

Source: Hawaii State, Department of Business, Economic Development and Tourism, Hawaii Tourism Authority, Tourism Research, Monthly Visitors Statistics, December 2021 and 2022
 <<https://www.hawaiitourismauthority.org/research/monthly-visitor-statistics/>> accessed June 15, 2023.

Table 18.33-- CIVIL AIRMEN: 2018 TO 2022

[As of December 31]

Item	2018	2019	2020	2021	2022
Estimated active personnel, total					
Pilots, except instructors	3,421	3,701	3,894	4,067	4,370
Commercial 1/	709	722	741	771	798
Flight instructors	760	797	782	802	858
Nonpilot airmen 2/ 3/	7,292	7,532	7,607	7,682	7,710
Flight attendant	4,514	4,618	4,672	4,695	4,675
Estimated active women personnel					
Pilots, except instructors	425	501	551	612	707
Commercial 1/	72	90	101	109	121
Flight instructors	80	92	97	104	119
Nonpilot airmen 2/ 3/	3,413	3,503	3,548	3,573	3,572
Flight attendant	3,236	3,317	3,359	3,379	3,367

1/ Includes those with an airplane and/or a helicopter and or glider certificate. Includes pilots under the "Rotorcraft (only)" and "Glider (only)" class certificates.

2/ Includes ground instructors, flight engineers, mechanics, repairmen, parachute riggers, dispatchers, flight navigators and flight attendants.

3/ Data for dispatchers, mechanics, repairmen, parachute riggers and ground instructors represent total ratings issued to date. These ratings retain their validity and have been limited to those held by a person under 70 years of age.

Source: U.S. Department of Transportation, Federal Aviation Administration, *U.S. Civil Airmen Statistics* (annual) <https://www.faa.gov/data_research/aviation_data_statistics/civil_airmen_statistics/> accessed on June 15, 2023.

Table 18.34-- SELECTED STATISTICS FOR HAWAIIAN AIRLINES: 2007 TO 2010

Subject	2007	2008	2009	2010
Operating aircraft (year-end)	29	32	33	(NA)
Employees (full-time equivalents)	3,105	3,190	3,600	3,600
Aircraft departures (thousands) 1/	57	65	74	(NA)
Passengers enplaned (millions) 2/	7.1	7.8	8.3	8.4
Revenue passenger miles (billions) 2/	7.9	7.8	8.1	8.7
Cargo revenue ton miles (millions) 1/	70.0	76.7	75.0	84.0

NA Not available.

1/ All services.

2/ Scheduled services only.

Source: Airlines for America, *Economic Report* (annual) <<http://www.airlines.org/Pages/A4A-Economic-Reports-of-the-U.S.-Airline-Industry.aspx>> accessed June 18, 2013.

Table 18.35-- RANK OF HAWAII LOCATIONS AMONG THE TOP DOMESTIC AIRLINE MARKETS: 2007 TO 2010

Rank	Origin or destination	Daily passengers (average, each way)	Average one-way ticket price 1/
2007			
7	Honolulu - Kahului	2,660	35.38
22	Honolulu - Lihue	1,847	35.70
26	Honolulu - Kona	1,771	37.40
29	Honolulu - Hilo	1,694	38.20
34	Honolulu - Los Angeles	1,615	195.14
2008			
11	Honolulu - Kahului	2,091	53.46
30	Honolulu - Lihue	1,497	54.57
32	Honolulu - Kona	1,463	61.24
36	Honolulu - Los Angeles	1,449	231.83
2009			
30	Honolulu - Los Angeles	1,446	214.69
2010			
11	Honolulu - Maui	1,895	59.89

1/ Includes government-imposed taxes and fees.

Source: Airlines for America, *Economic Report* (annual) <<http://www.airlines.org/Pages/A4A-Economic-Reports-of-the-U.S.-Airline-Industry.aspx>> accessed June 18, 2013.

Table 18.36-- OVERSEAS AND INTER-ISLAND AIR PASSENGER MOVEMENTS: 1988 TO 2022

[Revenue and non-revenue passengers, excluding Military Airlift Command (MAC)]

Year	Overseas passengers 1/		Honolulu transit	Inter-island passengers
	Arrivals	Departures		
1988	6,653,346	6,713,621	1,421,707	8,964,928
1989	7,022,986	7,234,653	1,167,954	9,634,077
1990	7,310,635	7,562,156	1,065,408	9,907,154
1991	7,135,595	7,215,323	1,020,464	9,368,576
1992	7,248,645	7,087,463	1,318,044	9,568,434
1993	6,924,571	6,907,236	1,298,684	9,345,320
1994	7,309,894	7,478,052	956,926	9,920,709
1995	7,517,273	7,692,494	750,495	10,388,281
1996	7,700,229	7,992,620	690,833	10,581,825
1997	7,788,367	7,874,798	706,030	10,448,099
1998	7,576,988	7,728,768	466,807	10,075,448
1999	7,699,676	7,737,494	376,236	10,173,069
2000	7,981,640	7,959,325	407,359	10,378,775
2001	7,270,532	7,263,415	275,853	9,169,182
2002	7,414,344	7,370,010	232,806	8,587,568
2003	7,492,272	7,472,568	125,253	7,820,545
2004	8,033,491	8,058,756	175,507	7,713,639
2005	8,730,582	8,749,733	100,172	7,867,942
2006	8,330,646	8,382,891	112,158	8,273,740
2007	8,920,759	8,910,032	100,783	9,188,139
2008	8,015,424	8,027,546	13,092	7,707,047
2009	7,707,730	7,725,872	9,004	7,420,174
2010	8,352,599	8,358,377	3,275	6,882,052
2011	8,503,087	8,428,828	45,913	6,658,445
2012	9,178,412	9,190,908	15,578	7,018,163
2013	9,294,068	9,283,476	230,494	7,122,158
2014	9,457,823	9,453,566	233,302	6,982,281
2015	9,901,345	9,908,484	230,725	7,071,105
2016	10,223,372	10,241,737	240,053	7,198,710
2017	10,794,436	10,785,967	125,935	7,217,969
2018	11,445,430	11,431,092	155,316	6,706,144
2019	11,936,535	11,954,440	150,559	6,815,171
2020	3,283,322	3,357,384	75,203	2,219,641
2021	7,868,506	7,768,442	129,202	4,007,303
2022	10,944,255	10,998,206	188,759	6,949,089

1/ At airports in Honolulu, Kahului, Kona, Lihue and Hilo.

Source: For data 1988-2016, Hawaii State Department of Transportation, Airports Division, records and for 2017-2022, Hawaii State Department of Business, Economic, Development & Tourism and U.S. Department of Transportation, Bureau of Transportation Statistics <https://www.transtats.bts.gov/Fields.asp?gnoyr_VQ=FMF> accessed on June 16, 2023.

Table 18.37-- PASSENGERS, CARGO, AND MAIL, OVERSEAS AND INTERISLAND, BY AIRPORT: 2022

Airport location	Passengers 1/		Cargo (U.S. tons)		Mail (U.S. tons)	
	Departures	Arrivals	Outgoing	Incoming	Outgoing	Incoming
OVERSEAS						
Total	10,998,206	10,944,255	232,083	406,779	11,202	22,200
Honolulu	6,139,675	6,088,993	216,718	371,029	11,202	22,199
Kahului	2,729,914	2,716,416	3,474	17,657	-	1
Kona	1,146,672	1,151,607	9,562	16,343	(2/)	-
Lihue	942,182	946,324	2,327	1,750	-	-
Hilo	39,763	40,915	1	-	-	-
INTERISLAND						
Total	6,949,089	6,949,089	101,899	101,899	12,746	12,746
Honolulu	3,040,940	3,041,681	66,262	25,499	10,872	1,874
Kahului	1,433,788	1,447,048	8,640	24,351	1,111	3,534
Kona	880,403	855,680	11,400	21,791	667	3,613
Lihue	838,917	834,341	7,718	18,692	96	3,172
Hilo	597,726	608,721	7,548	10,351	-	553
Molokai	98,223	100,641	104	362	-	-
Lanai	37,717	37,348	70	214	-	-
Kapalua	8,099	8,780	158	640	-	-
Waimea-Kohala	4,352	4,321	-	-	-	-
Kalaupapa	6,362	7,987	-	-	-	-
Kalaelo	-	-	-	-	-	-
Hana	2,562	2,541	-	-	-	-

1/ Revenue and non-revenue passengers, excluding passengers in transit and Military Airlift Command (MAC).

2/ Rounds to less than zero.

Source: Hawaii State Department of Business, Economic, Development & Tourism; and U.S. Department of Transportation, Bureau of Transportation Statistics <https://www.transtats.bts.gov/Fields.asp?gnoyr_VQ=FMF> accessed on June 16, 2023.

Table 18.38-- AIR CARGO AND AIRMAIL: 1990 TO 2022

[In thousands of pounds]

Year	Overseas air cargo		Overseas airmail		Interisland	
	Outgoing	Incoming	Outgoing	Incoming	Air cargo: outgoing & incoming	Airmail: outgoing & incoming
1990	295,326	337,724	32,022	38,198	145,418	22,848
1991	306,376	342,032	33,658	44,281	144,104	23,673
1992	305,224	305,658	39,268	66,052	153,912	25,594
1993	307,302	255,516	52,324	112,970	147,054	26,406
1994	339,086	308,962	47,921	121,964	148,904	27,964
1995	336,764	276,416	49,056	118,098	149,174	27,646
1996	355,466	296,856	48,654	114,408	160,784	29,572
1997	424,990	363,598	51,212	110,336	173,154	31,272
1998	508,858	311,196	56,902	107,039	140,034	40,548
1999	414,678	359,426	61,410	110,975	138,368	47,786
2000	359,762	320,502	59,480	110,396	142,380	60,768
2001	242,956	204,588	50,680	102,582	150,074	42,866
2002	320,952	335,252	51,492	98,266	148,104	30,138
2003	392,530	368,656	72,564	93,030	146,188	34,916
2004	304,544	403,002	55,330	88,069	145,364	41,995
2005	298,381	409,956	60,351	101,662	144,955	48,445
2006	270,910	404,195	69,827	115,104	138,670	37,538
2007	262,473	428,361	62,718	117,636	140,212	35,117
2008	238,648	401,225	55,186	116,443	126,376	35,606
2009	222,112	373,800	51,720	111,637	120,804	32,354
2010	253,571	394,315	54,643	158,671	132,666	35,945
2011	231,234	367,534	42,326	95,390	130,115	29,554
2012	282,198	390,037	38,920	98,617	129,929	24,605
2013	267,976	404,957	36,199	90,771	138,963	33,768
2014	288,057	430,502	46,232	109,619	140,422	38,248
2015	280,468	427,713	51,234	122,864	151,851	42,809
2016	227,922	382,116	42,605	115,608	150,680	38,527
2017 1/	429,791	698,396	12,932	17,619	190,980	33,897
2018 1/	449,215	739,391	9,963	15,588	208,866	28,952
2019 1/	429,305	763,742	18,960	23,841	205,392	28,633
2020 1/	347,261	642,416	17,079	14,363	172,575	37,406
2021 1/	420,126	773,114	24,611	31,455	201,570	37,775
2022 1/	468,913	819,081	22,404	44,400	203,799	25,491

1/ Data include commercial airlines and cargo airlines, data might not be comparable to previous years as mail and cargo data might be categorized differently.

Source: For data 1990 to 2016, Hawaii State Department of Transportation, Airports Division, records and for 2017 to 2022, Hawaii State Department of Business, Economic, Development & Tourism; and U.S. Department of Transportation, Bureau of Transportation Statistics, <https://www.transtats.bts.gov/Fields.asp?gnoyr_VQ=FMF> accessed on June 16, 2023.

**Table 18.39-- NONSTOP FLIGHTS TO DEPART THE STATE OF HAWAII,
BY DESTINATION: JULY 2022**

[Transpacific flights to depart from the State of Hawaii during a one-month period, including scheduled and chartered flights]

Destination	Flights during month	Destination	Flights during month
Transpacific	5,563		
U.S.	5,045	Canada	
West		Vancouver	124
Denver	124	Japan	
Las Vegas	297	Osaka	7
Long Beach	124	Tokyo - Haneda	64
Los Angeles	1,300	Tokyo - Narita	77
Oakland	310	Other Asia	
Ontario	31	Seoul	77
Orange County	31	Oceania	
Phoenix	279	Auckland	25
Portland	124	Melbourne	9
Sacramento	129	Sydney	59
Salt Lake City	31	Other	
San Diego	248	Guam	31
San Francisco	676	Majuro	8
San Jose	372	Manila	19
Seattle	533	Nadi	5
East		Pago Pago	8
Atlanta	31	Tahiti	5
Austin	13		
Boston	17		
Chicago	67		
Dallas / Fort Worth	124		
Houston	31		
Minneapolis	23		
New York	31		
Newark	54		
Orlando	14		
Washington-Dulles	31		

Source: Diio - Mi[®], Department of Business, Economic Development and Tourism, Hawaii Tourism Authority, Tourism Research, records.

Table 18.40-- NONSTOP FLIGHTS, DOMESTIC AND INTERNATIONAL TO HAWAII FOR AIRPORTS: 2004 TO 2022

[Scheduled flights, excludes charter flights]

Year	State total	Daniel K. Inouye International Airport	Hilo International Airport	Ellison Onizuka Kona International Airport	Kahului Airport	Lihue Airport
Total flights						
2004	40,050	27,822	-	3,032	7,563	1,633
2005	42,971	29,275	-	2,973	8,947	1,776
2006	44,483	28,895	241	3,449	9,689	2,209
2007	42,548	28,279	278	3,012	9,035	1,944
2008	37,670	25,165	60	2,754	7,316	2,375
2009	35,673	23,468	-	3,071	6,790	2,344
2010	39,836	25,409	-	3,545	8,387	2,495
2011	42,074	27,029	236	3,229	8,663	2,917
2012	46,249	29,520	373	3,556	9,407	3,393
2013	47,983	31,134	313	3,434	9,638	3,464
2014	48,805	30,795	297	3,777	10,221	3,715
2015	51,248	31,423	284	4,426	11,279	3,836
2016	53,251	32,310	278	4,688	12,011	3,964
2017	54,106	32,217	294	5,338	12,003	4,254
2018	59,312	33,072	327	6,888	13,358	5,667
2019	61,493	33,830	284	6,945	14,697	5,737
2020	24,157	13,857	53	2,816	5,591	1,840
2021	51,666	24,068	219	7,288	15,495	4,596
2022	60,060	29,261	270	7,357	16,659	6,513
Domestic flights						
2004	30,842	19,189	-	2,648	7,372	1,633
2005	33,401	20,450	-	2,586	8,589	1,776
2006	35,344	20,723	241	3,063	9,108	2,209
2007	33,912	20,504	278	2,626	8,560	1,944
2008	29,831	18,268	60	2,335	6,793	2,375
2009	28,314	17,071	-	2,650	6,254	2,339
2010	31,731	18,395	-	3,180	7,705	2,451
2011	32,024	17,938	236	3,159	7,823	2,868
2012	34,497	18,903	373	3,432	8,495	3,294
2013	35,101	19,420	313	3,286	8,725	3,357
2014	35,884	19,193	297	3,572	9,289	3,533

Continued on next page.

Table 18.40-- NONSTOP FLIGHTS, DOMESTIC AND INTERNATIONAL TO HAWAII FOR AIRPORTS: 2004 TO 2022 -- Con.

Year	State Total	Daniel K. Inouye International Airport	Hilo International Airport	Ellison Onizuka Kona International Airport	Kahului Airport	Lihue Airport
Domestic flights - Con.						
2015	38,259	19,813	284	4,216	10,298	3,648
2016	39,667	20,081	278	4,494	11,014	3,800
2017	39,749	19,476	294	4,873	11,029	4,077
2018	44,445	20,212	327	6,139	12,290	5,477
2019	47,378	21,810	284	6,193	13,559	5,532
2020	20,376	10,725	53	2,629	5,212	1,757
2021	49,942	22,712	219	7,221	15,236	4,554
2022	53,464	24,147	270	7,099	15,582	6,366
International flights						
2004	9,208	8,633	-	384	191	-
2005	9,570	8,825	-	387	358	-
2006	9,139	8,172	-	386	581	-
2007	8,636	7,775	-	386	475	-
2008	7,839	6,897	-	419	523	-
2009	7,359	6,397	-	421	536	5
2010	8,105	7,014	-	365	682	44
2011	10,050	9,091	-	70	840	49
2012	11,752	10,617	-	124	912	99
2013	12,882	11,714	-	148	913	107
2014	12,921	11,602	-	205	932	182
2015	12,989	11,610	-	210	981	188
2016	13,584	12,229	-	194	997	164
2017	14,357	12,741	-	465	974	177
2018	14,867	12,860	-	749	1,068	190
2019	14,115	12,020	-	752	1,138	205
2020	3,781	3,132	-	187	379	83
2021	1,724	1,356	-	67	259	42
2022	6,596	5,114	-	258	1,077	147

Source: Hawaii State, Department of Business, Economic Development and Tourism, Hawaii Tourism Authority, Tourism Research, records.

Table 18.41-- ONE-WAY FARES FOR INTER-ISLAND FLIGHTS BY HAWAIIAN AIRLINES: 2018 TO 2022

[As of July 1. Includes all taxes]

Category	2018	2019	2020	2021	2022
Regular fare	189.28	189.17	193.40	189.00	194.01
Lowest capacity-controlled fare	70.29	70.19	58.40	77.00	84.00

Source: Hawaiian Airlines, records.

Table 18.42-- ANNUAL AVERAGE ROUND TRIP AIRFARES BETWEEN HONOLULU AND SELECTED DESTINATIONS: 2002 TO 2022

[Annual average, origin and destination round-trip base airfares in dollars, includes all airlines, includes all classes, excludes taxes and fees]

Year	Los Angeles	San Francisco	Las Vegas	Portland, Oregon	Seattle	Dallas/Fort Worth	Chicago
2002	386	399	385	401	460	460	511
2003	348	347	380	415	431	444	493
2004	364	379	410	421	428	514	500
2005	373	375	406	403	439	553	546
2006	374	378	425	434	466	602	590
2007	398	391	430	404	421	601	602
2008	480	485	510	451	456	676	676
2009	444	427	449	390	395	642	657
2010	434	421	449	399	410	674	659
2011	512	494	468	428	479	777	704
2012	527	489	493	500	524	802	803
2013	549	550	525	488	506	798	849
2014	555	578	529	486	536	871	896
2015	554	563	540	467	502	855	883
2016	580	552	560	495	531	887	908
2017	607	576	591	509	543	958	947
2018	537	529	613	479	511	942	910
2019	494	508	550	442	494	892	858
2020	440	416	448	400	456	806	772
2021	413	471	440	439	472	794	786
2022	455	502	556	507	572	1,022	1,040

Source: United States Department of Transportation, Origin and Destination data from Diio - Mi[®].

Table 18.43-- STATE COMMERCIAL HARBORS

[Data as of 2020]

Island and harbor	Harbor entrance depth (feet)	Harbor basin			Piers (linear feet) 1/	Storage area (1,000 square feet)	
		Depth (feet)	Length (feet)	Width (feet)		Shedded 1/	Open 1/
Hawaii							
Hilo	35	35	2,300	1,400	2/ 3,420	3/ 105	3/ 1,143
Kawaihae	40	35	1,500	1,450	1,625	8	4/ 1,199
Maui							
Kahului	40	35	2,400	2,050	3,535	52	1,660
Molokai							
Kaunakakai	23	23	1,500	600	690	10	114
Lanai							
Kaunalapau	60	30-50	800	500	400	-	90
Oahu							
Honolulu Main	} 45	40	3,600	1,520	} 5/ 33,160	723	9,289
Kapalama			3,500	1,100			
Kalaeloa							
Barbers Point	42	38	2,300	1,800	3,260	36	4/ 1,840
Kauai							
Nawiliwili	40	35	1,950	1,540	2,555	83	1,230
Port Allen	35	35	1,500	1,200	1,200	38	35

- 1/ Area calculated based on aerial imagery using GIS software.
 - 2/ Construction of Hilo Pier 4 (602 feet long) continued through 2015.
 - 3/ In 2015 Hilo Harbor, Pier 1 had 40 percent of its shed demolished.
 - 4/ Yard area includes unpaved areas.
 - 5/ Honolulu Harbor Pier 12 rebuilt, completed in 2016.
- Source: Hawaii State Department of Transportation, Harbors Division, records.

Table 18.44-- HARBOR DEPTHS: 2020

[In feet]

Harbor	Controlling depth		Project depth	
	Entrance channel	Basin	Entrance channel	Basin
Hilo	(NA)	(NA)	(NA)	(NA)
Kawaihae	(NA)	(NA)	(NA)	(NA)
Kahului	(NA)	(NA)	(NA)	(NA)
Barbers Point	42	37	42	1/ 38
Honolulu	45	2/ 40	45	3/ 40
Nawiliwili	4/ 41	34	40	35

NA Not available.

1/ 21 feet in light-draft harbor basin.

2/ 40 feet in Kapalama Basin and in connecting channel.

3/ 40 feet in connecting channel, 23 feet in Kalihi channel.

4/ 41 feet in outer and inner channel.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2020, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<https://ndclibrary.planusace.us/#/home>> accessed June 8, 2022.

**Table 18.45-- SMALL CRAFT MOORING FACILITIES, BY ISLAND:
DECEMBER 31, 2022**

Island	Catwalks and piers		Other mooring areas		Offshore mooring	
	Capacity	Moored	Capacity	Moored	Capacity	Moored
State total	1,838	1,672	214	182	1/ 539+	444
Hawaii	378	345	30	21	1/ 100+	94
Maui	188	187	-	-	150	105
Oahu	1,147	1,016	168	145	1/ 250+	231
Kauai	125	124	16	16	39	14

1/ '+' means equal to or greater than the number shown.

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, records.

Table 18.46-- LIGHTHOUSES AND RELATED FACILITIES, BY ISLAND

[Includes all lights, day beacons, buoys, and similar aids to navigation in the Hawaiian Archipelago]

Island	Number of aids to navigation				Greatest nominal range (naut. miles)	Highest above sea level (feet)	Highest structure height (feet)
	By control			Light-houses			
	Total	Federal	Other 1/				
Total	548	317	231	21	2/ 25	2/ 931	3/ 153
Hawaii	65	52	13	8	24	156	153
Mau	75	34	41	2	10	161	40
Molokini	1	1	-	-	21	186	138
Kahoolawe	1	1	-	-	7	120	20
Lanai	16	8	8	1	8	91	37
Molokai	19	10	9	1	21	321	8
Oahu	242	156	86	5	25	931	25
Kauai	45	28	17	4	24	174	10
Niihau	-	-	-	-	-	-	-
Lehua	1	1	-	-	7	704	10
Midway	19	19	-	-	4	51	51
At sea	64	7	57	-	-	-	-

1/ State and private. Includes State-maintained fish aggregating buoys at sea.

2/ Kaena Point Light.

3/ Cape Kumukahi Light.

Source: United States Coast Guard, Fourteenth Coast Guard District, records.

**Table 18.47-- UNDOCUMENTED VESSEL REGISTRATION:
DECEMBER 31, 2022**

Subject	Number	Subject	Number
Registered vessels	13,453		
Length		Type of vessel	
Under 16 feet	4,738	Aux. powered sailing vessel	667
16 to less than 26 feet	7,077	Cabin motorboat	2,331
26 to less than 40 feet	1,497	Open motorboat	7,079
40 to 65 feet	137	Runabout	173
Over 65 feet	4	Sail only	429
Hull material		Houseboat	3
Aluminum	577	Motor vessel over 65 feet in length	5
Fiberglass / plastic	11,818	Thrill craft	2,543
Rubber / fabric	471	Other	223
Wood	122	Uses	
Other	457	Pleasure	12,446
Steel	8	Charter fishing	14
Propulsion		Commercial fishing	88
Inboard	1,656	Commercial Passenger	252
Outboard	8,652	Livery	31
Inboard / outboard	488	Dealer	1
Sail / inboard	184	Manufacturer	2
Sail / outboard	187	Youth group - fee exempt	80
Sail only	414	Government - fee exempt	288
Manual	69	Other	251
Other	190	Island where vessel is kept	
Waterjet	1,613	Hawaii	2,606
Mooring location		Kauai	1,697
Moored on water	1,682	Lanai	48
Moored on land	11,771	Maui	1,528
		Molokai	248
		Oahu	7,326

Source: Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *State of Hawaii Report of Undocumented Vessel Registration* (annual) and records.

Table 18.48-- NUMBERED VESSELS REGISTERED IN HAWAII: 1998 TO 2022

[As of December 31. Non-documented numbered vessels registered with the Hawaii State Department of Land & Natural Resources, Division of Boating & Ocean Recreation. Any mechanically propelled boat (including those with auxiliary engines), and any boat powered solely by sail if over eight feet in length, must be numbered]

Year	Number of vessels	Year	Number of vessels	Year	Number of vessels
1998	15,138	2007	15,094	2016	11,689
1999	15,481	2008	16,744	2017	11,658
2000	14,874	2009	15,709	2018	12,371
2001	14,273	2010	14,847	2019	12,595
2002	15,445	2011	14,073	2020	12,853
2003	15,587	2012	13,328	2021	11,343
2004	17,130	2013	13,928	2022	13,453
2005	15,302	2014	12,034		
2006	15,015	2015	11,230		

Source: U.S. Coast Guard, Marine Safety Office, records; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *State of Hawaii Report of Undocumented Vessel Registration* (annual) and records.

Table 18.49-- BOATING ACCIDENTS: 1991 TO 2022

Year	Number of accidents		Number of persons		Number of vessels involved	Amount of damage (\$1,000)
	Total	Fatal	Killed	Injured, not fatally		
1991	19	3	5	14	19	190
1992	19	(NA)	3	5	(NA)	472
1993	19	3	3	4	25	219
1994	25	3	4	9	28	257
1995	91	(NA)	18	(NA)	(NA)	(NA)
1996	46	(NA)	3	(NA)	(NA)	(NA)
1997	43	(NA)	3	(NA)	(NA)	(NA)
1998	42	(NA)	4	(NA)	(NA)	(NA)
1999	26	1	1	11	(NA)	(NA)
2000	22	2	2	11	22	245
2001	19	3	3	5	18	46
2002	22	2	2	7	24	118
2003	30	1	1	10	38	82
2004	24	1/ 5	5	6	32	107
2005	22	4	4	7	24	36
2006	30	7	7	6	32	431
2007	18	4	4	4	22	1,190
2008	27	5	5	22	30	299
2009	31	8	8	-	34	31
2010	21	4	4	3	21	(NA)
2011	28	6	6	1	32	55
2012	32	5	5	7	35	243
2013	18	4	4	7	19	217
2014	12	3	3	3	12	8
2015 2/	15	5	2	7	16	165
2016	16	8	8	4	17	129
2017	15	3	3	2	15	810
2018	9	1	1	5	9	32
2019	20	4	6	6	21	231
2020	10	1	1	1	13	113
2021	18	4	5	8	19	76
2022	12	4	4	4	14	174

NA Not available.

1/ Only two are termed U.S. Coast Guard reportable.

2/ There were two known individuals killed and three disappearances resulting from boating accidents. The three disappearances are presumed but not confirmed dead, resulting in five fatalities.

Source: U.S. Department of Transportation, Coast Guard, *Boating Statistics* (annual); Hawaii State Department of Transportation, Harbors Division, Boating Branch, *Recreational Boating Accident Statistics (Reportable) 1989 to 1991*; Hawaii State Department of Land and Natural Resources, Division of Boating and Ocean Recreation, *Recreational Boating Accident Statistics* (annual) and records.

Table 18.50-- VESSEL ARRIVALS, BY DRAFT: 2019 AND 2020

[Excludes domestic fishing craft]

Harbor	2019			2020		
	Total	18 feet and less	19 feet and more	Total	18 feet and less	19 feet and more
Hilo	536	364	172	422	349	73
Kawaihae	348	303	45	414	310	104
Kahului	677	522	155	665	548	117
Barbers Point	762	658	104	566	471	95
Honolulu	2,070	1,228	842	2,093	1,346	747
Nawiliwili	451	327	124	330	223	107
Kaunakakai	21	21	-	32	32	-
Kaumalapau	(NA)	(NA)	(NA)	75	75	-
Pearl Harbor	(NA)	(NA)	(NA)	4	2	2

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2019, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<https://ndclibrary.planusace.us/#/home>> accessed June 16, 2021; *Waterborne Commerce of the United States Calendar Year 2020, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 2 Trips and Drafts of Vessels* <<https://ndclibrary.planusace.us/#/home>> accessed June 8, 2022.

Table 18.51-- CARGO VOLUME FOR SPECIFIED HARBORS: 2002 TO 2022

[Fiscal year ending June 30. In 1,000 short tons]

Year	State	Honolulu	Kalaeloa Barbers Point	Kahului	Hilo	Kawaihae	Nawiliwili	Port Allen	Kaunakakai	Kaunapau 1/
2002	16,908	8,236	3,268	2,475	1,385	626	624	209	85	(X)
2003	19,365	9,262	3,565	2,938	1,665	805	799	218	113	(X)
2004	18,716	9,032	3,495	2,758	1,505	829	794	205	98	(X)
2005	20,182	9,593	3,889	3,038	1,545	1,011	807	196	103	(X)
2006	20,664	9,768	3,962	3,129	1,631	1,052	828	197	97	(X)
2007	21,526	10,213	4,292	3,143	1,735	1,028	906	102	107	(X)
2008	21,094	10,114	4,214	2,918	1,593	922	919	296	118	(X)
2009	18,339	8,957	3,914	2,430	1,331	756	701	150	100	(X)
2010	17,706	8,922	3,484	2,265	1,280	726	699	223	94	13
2011	18,817	9,840	3,759	2,232	1,274	750	638	180	99	45
2012	19,082	10,094	3,806	2,264	1,235	744	638	177	76	48
2013	19,842	10,926	3,620	2,294	1,182	813	690	175	83	59
2014	20,395	11,179	3,556	2,413	1,260	867	735	179	90	116
2015	20,871	11,191	3,742	2,472	1,323	1,000	779	159	92	113
2016	21,309	11,437	3,876	2,499	1,308	1,062	820	123	86	98
2017	20,844	11,087	3,727	2,503	1,376	1,027	837	109	82	96
2018	20,332	11,064	3,494	2,231	1,359	977	913	120	71	103
2019	21,475	11,529	3,946	2,315	1,414	990	941	117	76	147
2020	20,025	10,611	3,764	2,166	1,269	998	786	131	76	224
2021	18,344	9,596	3,717	1,833	1,163	1,068	723	88	83	73
2022	20,427	10,317	3,940	2,253	1,634	1,038	837	139	84	185

X Not applicable.

1/ Kaunapau cargo volume records commenced on March 1, 2010.

Source: Hawaii State Department of Transportation, Harbors Division, records.

Table 18.52-- CARGO TRAFFIC FOR HAWAII HARBORS: 2018 TO 2022

[Fiscal years ending June 30. Cargo volume units in thousands unless otherwise noted.
Revenue in thousand of dollars]

Year	2018	2019	2020	2021	2022
Cargo (wharfage)					
Containers 1/	1,590	1,191	1,544	1,557	1,733
Autos and trucks	275	279	210	169	167
General merchandise and bulk items 2/	3,956	4,061	3,679	3,439	3,437
Pipelines 3/	29,455	36,326	32,989	22,519	30,839
Other 4/	65	67	67	69	70
Passengers	1,082	1,167	813	(5/)	168
Revenue (wharfage)					
Containers	96,216	113,883	109,155	117,950	132,599
Autos and trucks	10,058	12,198	8,713	7,594	7,745
General merchandise and bulk items	11,843	14,619	13,174	13,157	13,752
Pipelines	5,002	7,366	6,888	4,730	6,820
Other	521	630	562	559	461
Passengers	8,164	9,046	6,298	(5/)	1,796

1/ Containers are expressed in twenty-foot equivalent units (TEU's) and include empty containers, loaded containers and auto and trucks in containers. The surcharge units for foreign cargo are excluded.

2/ Items are expressed in tons and include cement, molasses, sugar, explosives, lumber, scrap metal, vehicles, trucks and trailers.

3/ Petroleum and chemical products are expressed in barrels. Pipeline water is excluded from above data.

4/ Individual units are used for livestock and crates. Lumber is measured in linear foot.

5/ Due to the COVID-19 pandemic, there were no port visits to Hawaii harbors made by passenger cruise ships, in compliance with the regulations established by the United States Centers for Disease Control.

Source: Hawaii State Department of Transportation, Harbors Division, records.

**Table 18.53-- WATERBORNE COMMERCE FOR SPECIFIED HARBORS:
1993 TO 2020**

[In 1,000 short tons. Excludes cargo carried by Army and Navy vessels and cargo in transit]

Year	Hilo	Kawaihae	Kahului	Barbers Point	Honolulu	Nawiliwili
1993 1/	1,469	655	2,216	9,357	10,595	1,283
1994 1/	1,455	736	2,368	9,022	11,672	1,151
1995 1/	1,354	873	2,586	8,233	11,545	1,130
1996 1/	1,442	969	2,828	8,745	12,010	1,203
1997 1/	1,489	980	2,895	10,513	10,353	1,091
1998 1/	1,630	886	2,851	6,658	13,723	938
1999 1/	1,701	1,090	3,513	8,707	12,259	1,348
2000 1/	1,651	1,310	3,477	6,778	15,501	1,581
2001 1/	1,680	1,378	3,695	6,079	16,562	1,478
2002 1/	1,765	1,645	3,458	5,990	16,636	1,619
2003 1/	1,850	1,801	3,778	5,930	17,836	1,721
2004 1/	1,850	2,277	3,901	6,086	19,085	1,757
2005 1/	1,996	2,217	4,132	6,344	20,394	1,977
2006	2,408	2,728	4,794	10,724	16,224	1,864
2007	2,782	2,558	5,630	11,295	17,582	2,333
2008	2,068	2,063	3,958	10,137	14,006	1,680
2009	1,088	1,112	2,139	9,670	9,161	951
2010	1,135	1,050	2,114	9,171	8,903	877
2011	1,984	1,811	3,504	9,800	12,658	1,667
2012	1,968	1,837	4,711	10,046	14,321	1,947
2013	2,062	1,887	3,669	8,671	14,274	1,710
2014	2,188	1,836	3,739	10,058	14,613	1,874
2015	2,130	1,995	3,720	10,570	13,832	1,929
2016	2,158	2,010	3,858	10,226	13,727	2,048
2017	2,165	2,037	3,671	9,996	14,786	1,902
2018	2,129	2,035	3,615	9,854	15,182	2,069
2019	2,264	2,041	3,694	8,538	14,348	2,002
2020	1,925	1,970	3,093	7,491	12,262	1,789

1/ Prior to 2006, crude oil imports offloading to the pipeline at Barbers Point were incorrectly credited to Honolulu Harbor.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2020, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<https://ndclibrary.planusace.us/#/home>> accessed June 8, 2022 and other annuals.

**Table 18.54-- WATERBORNE COMMERCE, FOREIGN AND DOMESTIC,
FOR SPECIFIED HARBORS: 2020**

[In 1,000 short tons. Categories may not sum to totals because of rounding]

Category	Hilo	Kawaihae	Kahului	Barbers Point	Honolulu	Nawiliwili
All freight traffic	1,925	1,970	3,093	7,491	12,262	1,789
Foreign						
Inbound	18	-	18	4,604	620	13
Outbound	-	-	-	155	217	-
Canadian						
Inbound	-	-	20	321	-	-
Outbound	-	-	-	-	-	-
Domestic						
Coastwise	1,906	1,970	3,054	2,412	11,425	1,777
Receipts	1,325	1,263	1,996	1,103	5,980	1,170
Shipments	581	707	1,059	1,284	5,442	606
Internal, intra, downbound	-	-	-	25	3	-

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2020, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<https://ndclibrary.planusace.us/#/home>> accessed June 8, 2022.

Table 18.55-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES, FOR SPECIFIED HARBORS: 2020

[In 1,000 short tons. Categories may not sum to totals due to rounding]

Port and commodity	All commodities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Hilo	1,925	18	-	-	-	1,906	1,325	581	-
Petroleum and petroleum products	389	18	-	-	-	371	371	-	-
Primary manufactured goods	21	-	-	-	-	21	19	2	-
Food and farm products	12	-	-	-	-	12	6	7	-
Manufactured equipment, machinery and products	1,483	-	-	-	-	1,483	911	572	-
Kawaihae	1,970	-	-	-	-	1,970	1,263	707	-
Petroleum and petroleum products	81	-	-	-	-	81	81	(2/)	-
Primary manufactured goods	31	-	-	-	-	31	30	1	-
Food and farm products	156	-	-	-	-	156	116	40	-
Manufactured equipment, machinery and products	1,642	-	-	-	-	1,642	994	648	-
Kahului	3,093	18	-	20	-	3,054	1,996	1,059	-
Petroleum and petroleum products	387	18	-	-	-	369	369	-	-
Primary manufactured goods	42	-	-	-	-	42	38	4	-
Food and farm products	110	-	-	-	-	110	104	6	-
Manufactured equipment, machinery and products	2,490	-	-	-	-	2,490	1,450	1,040	-
Barbers Point	7,491	4,604	155	321	-	2,412	1,103	1,284	25
Petroleum and petroleum products	5,720	3,410	23	58	-	2,229	1,040	1,165	25
Primary manufactured goods	488	401	-	-	-	87	-	87	-
Food and farm products	(2/)	-	-	(2/)	-	-	-	-	-
Manufactured equipment, machinery and products	23	(2/)	-	(2/)	-	23	23	-	-

Continued on next page.

Table 18.55-- WATERBORNE COMMERCE, BY SELECTED COMMODITIES, FOR SPECIFIED HARBORS: 2020 -- Con.

Port and commodity	All commodities	Foreign		Canadian		Total	Domestic		
		Inbound	Outbound	Inbound	Outbound		Coastwise		Internal 1/
							Receipts	Shipments	
Honolulu	12,262	620	217	-	-	11,425	5,980	5,442	3
Petroleum and petroleum products	677	434	65	-	-	177	131	43	3
Primary manufactured goods	232	34	6	-	-	192	166	25	-
Food and farm products	1,159	52	30	-	-	1,077	659	418	-
Manufactured equipment, machinery and products	9,730	73	18	-	-	9,640	4,786	4,854	-
Nawiliwili	1,789	13	-	-	-	1,777	1,170	606	-
Petroleum and petroleum products	142	13	-	-	-	130	130	-	-
Primary manufactured goods	21	-	-	-	-	21	19	2	-
Food and farm products	35	-	-	-	-	35	32	3	-
Manufactured equipment, machinery and products	1,567	-	-	-	-	1,567	970	597	-

1/ Includes intraport, upbound and downbound.

2/ Figure rounds down to zero.

Source: U.S. Army Corps of Engineers, Institute for Water Resources, *Waterborne Commerce of the United States Calendar Year 2020, Part 4 Waterways and Harbors Pacific Coast, Alaska and Hawaii, Section 1 Freight Traffic* <<https://ndclibrary.planusace.us/#/home>> accessed June 8, 2022.

Table 18.56-- TRANSPORTATION AND WAREHOUSING, EMPLOYMENT AND WAGES (NAICS 48-49), SELECTED NAICS CODES: 2022

[Statistics based on the North American Industry Classification System (NAICS)]

NAICS code	Kind of business	Average establishments	Annual average employment	Total annual wages (\$1,000)	Annual wages per employee
	Total	1,233	29,104	1,888,550	64,889
481	Air transportation	73	9,242	811,714	87,830
4811	Scheduled air transportation	44	8,889	788,681	88,728
4812	Nonscheduled air transportation	29	353	23,033	65,219
483	Water transportation	26	1,221	126,308	103,439
484	Truck transportation	271	3,241	177,843	54,866
4841	General freight trucking	134	1,852	105,228	56,821
4842	Specialized freight trucking	137	1,390	72,615	52,260
485	Transit & ground passenger transp.	138	3,773	93,404	24,759
4853	Taxi and limousine services	60	2,409	49,346	20,488
4854	School & employee bus transp.	15	833	25,784	30,971
487	Scenic & sightseeing transportation	282	3,679	169,706	46,135
4871	Scenic & sightseeing transp., land	49	1,054	45,192	42,884
4872	Scenic & sightseeing transp., water	207	2,111	90,248	42,758
4879	Scenic & sightseeing transp., other	27	514	34,266	66,665
488	Support activities for transportation	318	4,902	350,221	71,447
4881	Support activities for air transp.	99	2,066	94,769	45,880
4883	Support activities for water transp.	40	1,404	188,356	134,141
4884	Support activities for road transp.	92	760	25,455	33,482
492	Couriers & messengers	72	2,153	111,779	51,912
4921	Couriers & express delivery services	42	1,902	99,660	52,406
4922	Local messengers and local delivery	31	252	12,120	48,175

Source: U.S. Bureau of Labor Statistics, *Quarterly Census of Employment and Wages*
 <https://data.bls.gov/cew/apps/data_views/data_views.htm#tab=Tables> accessed June 16, 2023.

Table 18.57-- SHIPMENT CHARACTERISTICS BY STATES OF ORIGIN AND DESTINATION: 2017

Characteristics	Value (million dollars)	Tons (thousands)	Ton-miles (millions)
Total originating in Hawaii	23,139	27,615	908
Destination			
Hawaii	22,202	27,493	481
California	323	(1/)	(1/)
Oregon	8	(2/)	1
Washington	32	(1/)	3
Mode of transportation			
Single modes	20,029	27,015	447
Truck	15,690	19,752	231
Water	460	(1/)	54
Air (includes truck and air)	1,312	122	(1/)
Pipeline	2,567	6,598	(1/)
Multiple modes	3,110	600	(1/)
Parcel, U.S. Postal Service or courier	1,913	64	17
Truck and water	1,195	533	(1/)
Distance shipped (miles)			
Less than 50	19,148	26,552	290
50 to 99	1,109	405	50
100 to 249	1,918	525	137
250 to 499	27	(1/)	(1/)
More than 2,000	937	(1/)	(1/)
Commodity			
Agricultural products	806	(1/)	37
Meat, poultry, fish, seafood, and their preparations	922	119	(1/)
Other prepared foodstuffs and fats and oils	1,809	887	(1/)
Alcoholic beverages	807	342	8
Gasoline and aviation turbine fuel	6,140	14,335	184
Fuel oils	742	1,596	39
Other coal and petroleum products, NEC	375	578	21
Pharmaceutical products	2,056	77	3
Wood products	317	275	11
Textiles, leather, and articles of textiles or leather	387	17	8
Machinery	347	45	2
Electronic and other electrical equipment and components and office equipment	783	48	6

1/ Withheld because estimate did not meet publication standards.

2/ Rounds to zero.

Source: U.S. Census Bureau, *2017 Economic Census, 2017 Commodity Flow Survey*, various tables
<<https://www.census.gov/programs-surveys/cfs.html>> accessed June 6, 2021.