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## Section 16

# INFORMATION AND COMMUNICATIONS

This section presents statistics on the usage, finances, and operations of the Postal Service and of various information and communications media: telephone, radio, television, newspapers, periodicals, and books. Sections 12 and 15 contain employment and payroll data for communications establishments.

The major sources for statistics on information and communications are the reports and records of the U.S. Postal Service, Federal Communications Commission, Hawaii State Department of Commerce and Consumer Affairs, and the U.S. Census Bureau. Earlier figures appear in *Historical Statistics of Hawaii*, Section 18. Data on communications for other states and for the nation as a whole are presented in the *Statistical Abstract of the United States: 2012*, Section 24.

**Table 16.01-- INFORMATION ESTABLISHMENTS (NAICS 51): 2015**

[Excludes most government employees, railroad employees, and self-employed persons. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in the County Business Patterns prior to 1998. Therefore, comparability between the current data and data prior to 1998 may be limited]

<b>NAICS code</b>	<b>Industry</b>	<b>No. of establishments</b>	<b>No. of paid employees for pay period including March 12</b>	<b>Annual payroll (\$1,000)</b>
51	Information	498	8,116	524,888
511	Publishing industries (except internet)	99	1,364	82,290
5111	Newspaper, periodical, book, directory publishers	71	1,191	61,612
5112	Software publishers	28	173	20,678
512	Motion picture & sound recording industries	84	994	17,304
5121	Motion picture & video industries	71	936	15,058
5122	Sound recording industries	13	58	2,246
515	Broadcasting (except internet)	47	805	45,185
5151	Radio & television broadcasting	45	785	44,194
517	Telecommunications	193	4,077	321,411
5171	Wired telecommunications carriers	105	3,251	262,424
5172	Wireless telecommunications carriers (except satellite)	70	680	51,616
5174	Satellite telecommunications	5	24	1,830
5179	Other telecommunications	13	122	5,541
518	Data processing, hosting and related services	52	766	51,160
519	Other information services	23	110	7,538

Source: U.S. Census Bureau, *2015 County Business Patterns* <<https://factfinder.census.gov>> accessed April 25, 2017.

**Table 16.02-- INFORMATION (NAICS 51), BY KIND OF BUSINESS OR OPERATION: 2012**

[Includes establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in Economic Censuses prior to the 1997 Economic Census]

NAICS code	Kind of business or operation	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	Paid employees, pay period including March 12 (number)
51	Information	543	(NA)	494,741	8,329
511	Publishing industries (except Internet)	95	462,648	87,415	1,510
5111	Newspaper, periodical, book, and directory publishers	74	389,350	64,800	1,306
5112	Software publishers	21	73,298	22,615	204
512	Motion picture and sound recording industries	97	(NA)	18,444	1,034
5121	Motion picture and video industries	85	(NA)	15,814	956
5122	Sound recording industries	12	(NA)	2,630	78
515	Broadcasting (except Internet)	52	(D)	(D)	(1/)
5151	Radio and television broadcasting	49	153,236	42,373	817
5152	Cable and other subscription programming	15	(D)	(D)	(2/)
517	Telecommunications	214	(NA)	282,407	4,051
5171	Wired telecommunications carriers	109	(NA)	219,367	3,058
5172	Wireless telecommunications carriers (except satellite)	87	(3/)	57,770	933
5174	Satellite telecommunications	6	17,425	3,133	28
5179	Other telecommunications	12	6,401	2,137	32
518	Data processing, hosting and related services	62	167,053	56,866	771
5182	Data processing, hosting, and related services	62	167,053	56,866	771
519	Other information services	23	(D)	(D)	(4/)
5191	Other information services	23	(D)	(D)	(4/)

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**Table 16.02 -- INFORMATION (NAICS 51), BY KIND OF BUSINESS OR OPERATION: 2012 -- Con.**

NA Not available.

D Withheld to avoid disclosing data of individual companies; data are included in higher level totals.

1/ 500 to 999 employees.

2/ 0 to 19 employees.

3/ Receipts not collected at this level of detail for multiestablishment firms.

4/ 100 to 249 employees.

Source: U.S. Census Bureau, 2012 Economic Census, Sector 51: EC1251A1: Information: Geographic Area Series, Summary Statistics for the United States, States, Metro Areas, Counties, and Places: 2012, Hawaii <[http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN\\_2012\\_US\\_51A1&prodType=table](http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ECN_2012_US_51A1&prodType=table)> accessed April 15, 2015.

**Table 16.03-- INFORMATION (NAICS 51), BY COUNTY AND SELECTED  
ECONOMIC PLACE: 2012**

[Includes establishments with payroll. Statistics based on the North American Industry Classification System (NAICS) which replaced the Standard Industrial Classification (SIC) system used in Economic Censuses prior to the 1997 Economic Census]

<b>Geographic area</b>	<b>Establishments (number)</b>	<b>Receipts (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees, pay period including March 12 (number)</b>
State total	543	(NA)	494,741	8,329
Honolulu County	384	(NA)	429,456	6,817
Ahuimanu	1	(NA)	(D)	(1/)
Aiea	2	(NA)	(D)	(1/)
East Honolulu	14	(NA)	(D)	(2/)
Ewa Beach	1	(NA)	(D)	(1/)
Halawa	2	(NA)	(D)	(2/)
Haleiwa	3	(NA)	(D)	(1/)
Heeia	1	(NA)	(D)	(1/)
Hickam Housing	1	(NA)	(D)	(1/)
Kahaluu	2	(NA)	(D)	(2/)
Kailua	10	(NA)	1,030	22
Kaneohe	9	(NA)	3,638	133
Kaneohe Station	2	(NA)	(D)	(1/)
Kapolei	5	(NA)	1,839	83
Laie	1	(NA)	(D)	(1/)
Makaha	2	(NA)	(D)	(1/)
Makakilo	1	(NA)	(D)	(1/)
Mililani Mauka	9	(NA)	74,605	956
Mililani Town	6	(NA)	2,247	89
Nanakuli	2	(NA)	(D)	(1/)
Pearl City	10	(NA)	5,151	125
Pupukea	6	(NA)	2,721	24
Royal Kunia	2	(NA)	(D)	(2/)
Schofield Barracks	1	(NA)	(D)	(1/)
Urban Honolulu	265	(NA)	314,145	4,877
Wahiawa	2	(NA)	(D)	(2/)
Waianae	1	(NA)	(D)	(1/)
Waikele	1	(NA)	(D)	(1/)
Waimalu	8	(NA)	3,679	120
Waimanalo	1	(NA)	(D)	(1/)
Waipahu	2	(NA)	(D)	(1/)
Waipio	1	(NA)	(D)	(1/)
Balance of Honolulu County	10	(NA)	6,925	127

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**Table 16.03-- INFORMATION (NAICS 51), BY COUNTY AND SELECTED ECONOMIC PLACE: 2012 -- Con.**

<b>Geographic area</b>	<b>Establishments (number)</b>	<b>Receipts (\$1,000)</b>	<b>Annual payroll (\$1,000)</b>	<b>Paid employees, pay period including March 12 (number)</b>
Hawaii County	66	(NA)	28,843	664
Hawaiian Ocean View	1	(NA)	(D)	(1/)
Hilo	19	(NA)	13,441	336
Holualoa	4	(NA)	(D)	(1/)
Kahaluu-Keauhou	3	(NA)	(D)	(1/)
Kailua	16	(NA)	9,259	209
Kalaoa	5	(NA)	(D)	(2/)
Waimea	1	(NA)	(D)	(1/)
Balance of Hawaii County	17	(NA)	2,313	56
Kauai County	24	(NA)	9,726	223
Hanapepe	1	(NA)	(D)	(1/)
Kapaa	4	(NA)	267	4
Kilauea	1	(NA)	(D)	(1/)
Lihue	13	(NA)	8,488	191
Puhi	1	(NA)	(D)	(1/)
Balance of Kauai County	4	(NA)	(D)	(1/)
Maui County	69	(NA)	26,716	625
Haiku-Pauwela	2	(NA)	(D)	(1/)
Kaanapali	1	(NA)	(D)	(1/)
Kahului	23	(NA)	16,863	388
Kaunakakai	1	(NA)	(D)	(1/)
Kihei	10	(NA)	1,662	61
Kula	2	(NA)	(D)	(1/)
Lahaina	10	(NA)	2,141	51
Lanai	1	(NA)	(D)	(1/)
Makawao	4	(NA)	46	3
Paia	3	(NA)	65	3
Wailea	1	(NA)	(D)	(1/)
Wailuku	8	(NA)	5,115	96
Balance of Maui County	3	(NA)	(D)	(1/)

NA Not available.

D Withheld to avoid disclosing data for individual companies.

1/ 0 to 19 employees.

2/ 20 to 99 employees.

Source: U.S. Census Bureau, *2012 Economic Census*, "Sector 51: EC1200A1: Information: Geographic Area Series, Summary Statistics for the United States, States, Metro Areas, Counties, and Places: 2012, Hawaii" <<http://factfinder.census.gov>> accessed April 15, 2015.

**Table 16.04-- NUMBER OF POST OFFICES AND STATIONS, BY ISLAND:  
SEPTEMBER 30, 2016**

Island	Total	Cost Ascertainment Group (CAG) 1/				Stations	
		A-G	H-J	K	L	Classified 2/	Contract 3/
State total	109	36	26	7	2	23	15
Hawaii	33	10	12	4	-	2	5
Maui	11	8	2	-	-	1	-
Lanai	1	-	1	-	-	-	-
Molokai	5	1	1	2	1	-	-
Oahu	43	12	3	1	-	18	9
Kauai	16	5	7	-	1	2	1
Niihau 4/	-	-	-	-	-	-	-

1/ Changes in CAG assignments are made at the beginning of the fiscal year. They are determined by the gross revenue from the prior fiscal year as follows: Gross revenue is divided by a revenue unit factor. The revenue unit factor represents the average revenue from mail and special services, including fees, per one thousand pieces of originating mail and special services transactions. CAGs range from A to L.

2/ Staffed by career postal employees.

3/ Operated under a contractual agreement between the Postal Service and an individual contractor.

4/ Niihau is served by the Makaweli Post Office on Kauai.

Source: U.S. Postal Service, Honolulu District, records.



**Table 16.05-- POSTAL SERVICE: 1997 TO 2016**

[Fiscal year ending September 30]

Year	Post offices, September 30	Stations, September 30 1/	Gross postal receipts (\$1,000)	Pieces of mail (millions) 2/
1997	72	59	172,714	549
1998	72	58	171,816	556
1999	72	61	174,958	560
2000	72	63	176,923	551
2001	72	63	179,182	542
2002	72	63	180,761	540
2003	72	53	193,335	535
2004	72	53	193,148	584
2005	72	53	193,361	588
2006	72	54	193,574	592
2007	72	46	198,228	596
2008	72	46	220,775	536
2009	72	46	251,116	483
2010	72	46	247,727	446
2011	70	43	201,560	595
2012	71	41	202,658	574
2013	71	43	206,241	573
2014	71	42	205,496	554
2015	71	42	202,288	543
2016	71	38	199,705	556

1/ Includes both classified and contract stations (see Table 16.04).

2/ Originating in Hawaii.

Source: U.S. Postal Service, Honolulu District, records.

**Table 16.06-- TELEPHONE STATISTICAL SUMMARY: 2003 TO 2015**

Subject	Number or percent
Telecommunications revenues (\$ million)	
2003	1,212
2004	1,196
2005	1,229
2006	1,184
2007	1,261
2008 1/	1,055
2010 1/	1,022
2011 1/	943
2013 1/	880
2014 1/	794
Telephone penetration 2/	
2003	97.3
2004	95.4
2005	94.8
2006	95.5
2007	96.0
2008	96.5
2009	97.7
2010	95.7
2011	94.9
2012	95.9
2013	96.4
2014	95.7
2015	94.6
Mobile wireless telephone subscribers	
June 2003	732,262
Dec. 2003	771,023
June 2004	819,262
Dec. 2004	880,965
June 2005	934,405
Dec. 2005	983,227
June 2006	1,010,341
Dec. 2006	1,034,788
June 2007	1,066,608
Dec. 2008	1,184 (1,000s)

1/ Only end-user revenues are included since 2008, carriers' carrier revenues are excluded.

2/ Annual average percentage of households with telephone service.

Source: Federal Communications Commission, *Trends in Telephone Service* <[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-301823A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-301823A1.pdf)> accessed June 29, 2012; *Telephone Subscribership in the United States* <[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-311523A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-311523A1.pdf)> accessed July 17, 2013; and *Universal Service Monitoring Report* <<https://www.fcc.gov/general/federal-state/-joint-board-monitoring-reports>> accessed February 13, 2017.

**Table 16.07-- PERCENT OF HOUSEHOLDS WITH A TELEPHONE,  
COMPUTER, AND INTERNET USE: 1997 TO 2010**

Year	Telephone		Computer		Internet use	
	U.S.	Hawaii	U.S.	Hawaii	U.S.	Hawaii
1997	93.8	94.1	36.6	34.6	18.6	(NA)
1998	94.1	93.2	42.1	42.3	26.2	27.9
2000	94.1	(NA)	51.0	52.4	41.5	43.0
2001	94.9	(NA)	56.5	63.1	50.5	55.2
2003	94.7	(NA)	61.8	63.3	54.6	55.0
2007	94.9	(NA)	(NA)	(NA)	61.7	64.1
2009	95.7	(NA)	(NA)	(NA)	68.7	73.3
2010	96.0	(NA)	(NA)	(NA)	71.1	71.1

NA Not available.

Source: National Telecommunications and Information Administration, *Falling Through the Net II: New Data on the Digital Divide* (July 28, 1998) <<https://www.ntia.doc.gov/ntiahome/net2>> accessed July 20, 2017; *Falling Through the Net: Defining the Digital Divide* (July 8, 1999) <<https://www.ntia.doc.gov/report/1999/falling-through-net-defining-digital-divide>> accessed July 20, 2017; *Falling Through the Net: Toward Digital Inclusion* (October 16, 2000) <<https://www.ntia.doc.gov/report/2000/falling-through-net-toward-digital-inclusion>> accessed July 20, 2017; *A Nation Online: How Americans are Expanding Their Use of the Internet* (February 2002) <[https://www.ntia.doc.gov/legacy/ntiahome/dn/nationonline\\_020502.htm](https://www.ntia.doc.gov/legacy/ntiahome/dn/nationonline_020502.htm)> accessed July 20, 2017; *A Nation Online: Entering the Broadband Age* (September 30, 2004) <<https://www.ntia.doc.gov/report/2004/nation-online-entering-broadband-age>> accessed July 20, 2017; U.S. Census Bureau, *Statistical Abstract of the United States (annual)* <[https://www.census.gov/library/publications/time-series/statistical\\_abstracts.html](https://www.census.gov/library/publications/time-series/statistical_abstracts.html)> accessed July 20, 2017; *Ibid.* Updated table, "Utilization and Number of Selected Media: 2000-2010" <<https://www2.census.gov/library/publications/2011/compendia/statab/131ed/tables/12s1132.xls>> accessed April 28, 2017.

**Table 16.08-- STATUS OF TELEPHONE USAGE OF HOUSEHOLD POPULATION:  
2013 TO 2015**

[Percent of persons living in household]

Year	2013		2014		2015	
	Adults aged 18 years and over	Children under age 18 years	Adults aged 18 years and over	Children under age 18 years	Adults aged 18 years and over	Children under age 18 years
Wireless-only	35.6	(NA)	38.3	50.3	39.3	53.1
Wireless-mostly	15.4	(NA)	12.5	15.3	15.9	20.0
Dual-use	31.1	(NA)	30.5	28.0	27.5	17.3
Landline-mostly	8.9	(NA)	9.5	1/ 1.9	9.8	3.9
Landline-only	7.0	(NA)	6.7	1/ 2.2	5.0	1/ 2.7
No telephone service 2/	2.0	(NA)	2.6	1/ 2.3	2.4	3.1

NA Not available

1/ Estimate has relative standard error greater than 30 percent and less than or equal to 50 percent and is considered unreliable.

2/ The proportion of children and adults living in households with no telephone service was not modeled. Other proportions were adjusted so that this estimate agreed with the American Community Survey estimates for this proportion.

Source: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Health Statistics, *National Health Statistics Reports, Wireless Substitution: State-level Estimates From the National Health Interview Survey Early Release Program* (annual)

<<https://www.cdc.gov/nchs/nhis/releases.htm>> accessed May 3, 2017.

**Table 16.09-- STATUS OF WIRELESS-ONLY TELEPHONE USAGE OF HOUSEHOLD POPULATION: 2007 TO 2015**

[Percent of persons living in household]

Year	Adults aged 18 years and over	Children under age 18 years
January - December 2007	9.3	1/ 7.5
July 2007 - June 2008	10.5	11.1
January - December 2008	12.6	14.6
July 2008 - June 2009	15.6	16.1
January - December 2009	19.7	20.4
July 2009 - June 2010	21.8	23.6
January - December 2010	23.1	29.0
July 2010 - June 2011	24.8	34.2
January - December 2011	26.0	35.6
July 2011 - June 2012	29.2	38.8
January - December 2012	31.6	43.8
January - December 2013	35.6	(NA)
January - December 2014	38.3	50.3
January - December 2015	39.3	53.1

NA Not available.

1/ Estimate has a relative standard error greater than 30% and does not meet National Center for Health Statistics standards for reliability or precision.

Source: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Health Statistics, *National Health Statistics Reports, Wireless Substitution: State-level Estimates From the National Health Interview Survey Early Release Program* (Annual) <<https://www.cdc.gov/nchs/nhis/releases.htm>> accessed May 3, 2017.

**Table 16.10-- PRESENCE AND TYPES OF INTERNET  
SUBSCRIPTIONS IN HOUSEHOLD: 2015**

Subject	United States		Hawaii	
	Number of households	Percentage of total	Number of households	Percentage of total
Total households	118,208,250	100.00	445,936	100.00
With an internet subscription	91,313,308	77.25	368,594	82.66
Dial-up alone	667,676	0.56	2,152	0.48
DSL	14,786,484	12.51	38,508	8.64
With mobile broadband	5,959,037	5.04	18,571	4.16
Without mobile broadband	8,827,447	7.47	19,937	4.47
Cable modem	48,444,157	40.98	255,745	57.35
With mobile broadband	21,733,015	18.39	139,685	31.32
Without mobile broadband	26,711,142	22.60	116,060	26.03
Fiber-optic	7,515,585	6.36	10,991	2.46
With mobile broadband	3,569,492	3.02	6,043	1.36
Without mobile broadband	3,946,093	3.34	4,948	1.11
Satellite internet service	3,356,018	2.84	5,198	1.17
With mobile broadband	1,287,325	1.09	1,432	0.32
Without mobile broadband	2,068,693	1.75	3,766	0.84
Two or more fixed broadband types, or other	9,329,597	7.89	34,157	7.66
With mobile broadband	5,269,172	4.46	22,330	5.01
Without mobile broadband	4,060,425	3.43	11,827	2.65
Mobile broadband alone or with dial-up	7,213,791	6.10	21,843	4.90
Internet access without a subscription	4,996,570	4.23	14,544	3.26
No internet access	21,898,372	18.53	62,798	14.08

Source: U.S. Census Bureau, 2015 American Community Survey 1-Year Estimates, "Table B28002 Presence and Types of Internet Subscriptions in Household" <<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>> accessed May 4, 2017; and calculations by the Hawaii State Department of Business, Economic, Development & Tourism.

**Table 16.11-- PRESENCE AND TYPES OF INTERNET SUBSCRIPTIONS  
BY HOUSEHOLD INCOME IN THE LAST 12 MONTHS: 2015**

Subject	Type of internet subscription			
	Total	With dial-up internet subscription	With a broadband internet subscription	Without an internet subscription
Households				
All income groups	445,936	2,152	366,442	77,342
Less than \$10,000	23,431	-	13,006	10,425
\$10,000 to \$19,999	29,591	136	15,835	13,620
\$20,000 to \$34,999	45,437	485	29,941	15,011
\$35,000 to \$49,999	48,444	279	36,896	11,269
\$50,000 to \$74,999	79,554	298	67,144	12,112
\$75,000 or more	219,479	954	203,620	14,905
Percent				
All income groups	100.0	0.5	82.2	17.3
Less than \$10,000	100.0	0.0	55.5	44.5
\$10,000 to \$19,999	100.0	0.5	53.5	46.0
\$20,000 to \$34,999	100.0	1.1	65.9	33.0
\$35,000 to \$49,999	100.0	0.6	76.2	23.3
\$50,000 to \$74,999	100.0	0.4	84.4	15.2
\$75,000 or more	100.0	0.4	92.8	6.8

Source: U.S. Census Bureau, 2015 American Community Survey 1-Year Estimates, "Household Income in the Last 12 Months (in 2015 Inflation-Adjusted Dollars) by Presence and Type of Internet Subscription in Household" (B28004) <<http://factfinder2.census.gov>> accessed May 4, 2017 and calculations by the Hawaii State Department of Business, Economic Development & Tourism.

**Table 16.12-- PRESENCE AND TYPES OF INTERNET SUBSCRIPTIONS IN HAWAII AND THE UNITED STATES, BY AGE GROUP: 2015**

Subject	Hawaii		United States	
	Number	Percentage of the age group	Number	Percentage of the age group
Total population	1,387,570	100.0	313,347,925	100.0
Has a computer	1,292,317	93.1	284,691,706	90.9
With dial-up internet subscription alone	5,863	0.4	1,505,203	0.5
With a broadband internet subscription	1,205,050	86.8	253,148,812	80.8
Without an internet subscription	81,404	5.9	30,037,691	9.6
No computer	95,253	6.9	28,656,219	9.1
Under 18 years	309,711	100.0	73,421,397	100.0
Has a computer	299,675	96.8	69,207,565	94.3
With dial-up internet subscription alone	1,425	0.5	233,493	0.3
With a broadband internet subscription	281,487	90.9	61,149,687	83.3
Without an Internet subscription	16,763	5.4	7,824,385	10.7
No computer	10,036	3.2	4,213,832	5.7
18 to 64 years	847,225	100.0	193,694,488	100.0
Has a computer	807,036	95.3	180,216,479	93.0
With dial-up internet subscription alone	1,917	0.2	774,024	0.4
With a broadband internet subscription	756,087	89.2	161,038,951	83.1
Without an internet subscription	49,032	5.8	18,403,504	9.5
No computer	40,189	4.7	13,478,009	7.0
65 years and over	230,634	100.0	46,232,040	100.0
Has a computer	185,606	80.5	35,267,662	76.3
With dial-up internet subscription alone	2,521	1.1	497,686	1.1
With a broadband internet subscription	167,476	72.6	30,960,174	67.0
Without an internet subscription	15,609	6.8	3,809,802	8.2
No computer	45,028	19.5	10,964,378	23.7

Source: U.S. Census Bureau, 2015 American Community Survey 1-Year Estimates, "Age by Presence of a Computer and Types of Internet Subscription in Household" (B28005) <<http://factfinder2.census.gov>> accessed May 4, 2017, and calculations by the Hawaii State Department of Business, Economic Development & Tourism.



**Table 16.13-- CABLE TELEVISION SYSTEMS, SUBSCRIBERS,  
AND REVENUES, BY COUNTY: 2004 TO 2016**

[As of December 31]

Category and year	State total	County			
		Hawaii	Maui	Honolulu	Kauai
Number of systems					
2004	1/ 6	2	2	1	1
2005	1/ 6	2	2	1	1
2006	1/ 6	2	2	1	1
2007	1/ 6	2	2	1	1
2008	1/ 6	2	2	1	1
2009	1/ 6	2	2	1	1
2010	1/ 6	2	2	1	1
2011	2/ 7	2	2	2	1
2012	2/ 7	2	2	2	1
2013	2/ 7	2	2	2	1
2014	2/ 7	2	2	2	1
2015	2/ 7	2	2	2	1
2016	3/ 6	1	2	2	1
Subscribers					
2004	389,498	38,991	50,814	278,336	21,357
2005	394,184	38,955	51,626	282,225	21,378
2006	407,299	46,274	52,937	284,038	24,050
2007	411,957	47,959	54,637	285,811	23,550
2008	414,019	48,413	54,569	287,429	23,608
2009	413,373	48,149	54,447	287,266	23,511
2010	410,347	48,073	53,519	284,945	23,810
2011	403,515	47,041	53,014	279,730	23,730
2012	(D)	(D)	(D)	(D)	(D)
2013	(D)	(D)	(D)	(D)	(D)
2014	(D)	(D)	(D)	(D)	(D)
2015	(D)	(D)	(D)	(D)	(D)
2016	(D)	(D)	(D)	(D)	(D)

Continued on next page.

**Table 16.13-- CABLE TELEVISION SYSTEMS, SUBSCRIBERS,  
AND REVENUES, BY COUNTY: 2004 TO 2016 -- Con.**

Category and year	State total	County			
		Hawaii	Maui	Honolulu	Kauai
Basic service revenue (\$1,000)					
2004	145,527	16,722	18,903	101,318	8,582
2005	153,095	17,883	19,861	106,248	9,102
2006	161,329	19,181	20,997	111,308	9,842
2007	168,551	20,478	22,066	115,633	10,373
2008	181,359	21,764	23,381	125,251	10,963
2009	187,954	22,340	24,034	130,298	11,281
2010	188,374	22,554	24,350	129,900	11,568
2011	195,002	23,763	25,127	133,934	12,176
2012	199,917	24,775	26,298	136,067	12,777
2013	(D)	(D)	(D)	(D)	(D)
2014	(D)	(D)	(D)	(D)	(D)
2015	(D)	(D)	(D)	(D)	(D)
2016	(D)	(D)	(D)	(D)	(D)

D Data not shown separately to avoid disclosure of individual operations.

1/ Oceanic Time Warner Cable of Hawaii was the only cable TV provider before 2011.

2/ Oceanic Time Warner Cable of Hawaii has 6 systems. Hawaiian Telcom Services Co. has 1 system.

3/ Oceanic Time Warner Cable of Hawaii has 5 systems. Hawaiian Telcom Services Co. has 1 system.

Source: Hawaii State Department of Commerce and Consumer Affairs, Cable Television Division

**Table 16.14-- RADIO AND TELEVISION BROADCASTING STATIONS IN OPERATION, 1945 TO 2017, AND BY COUNTY, 2017**

Date and county	Commercial			Public or educational		
	AM	FM	TV 1/	AM	FM	TV 1/
1945: January 1	4	-	-	-	-	-
1950: June 7	12	-	-	-	-	-
1955: January 1	13	1	3	-	1	-
1960: January 1	17	1	7	-	2	-
1965: January 1	23	2	10	-	-	-
1970: January 1	25	4	10	-	1	2
1975: January 1	26	5	10	-	1	2
1980: January 1	25	10	10	-	1	2
1985: June 30	26	17	13	-	2	2
1990: June 30	28	21	19	-	3	2
1995: June 30	29	33	20	1	3	2
2000	28	40	23	1	7	2
2001	28	40	23	1	7	2
2002	31	45	23	1	8	2
2005: June 14	32	46	25	-	9	2
2006: June 20	31	45	25	-	10	2
2007: June 19	31	47	25	-	11	2
2008: June 16	31	53	25	-	11	2
2009: June 2	32	56	13	-	11	1
2010: June 22	32	57	21	-	11	1
2011: June 28	32	57	23	-	13	2
2012: June 13	33	57	24	-	13	2
2013: June 25	2/ 31	61	2/ 22	2/ 1	15	2/ 4
2014: June 2	2/ 32	60	2/ 22	2/ 2	18	2/ 4
2015: May 29	2/ 32	62	2/ 23	2	2/ 18	2/ 4
2016: June 30	2/ 31	64	2/ 23	2	21	2/ 4
2017: February 14	31	64	23	2	20	4
COUNTY: 2017						
Hawaii	7	17	6	-	3	-
Maui	5	13	5	1	4	1
Honolulu	18	26	12	1	9	3
Kauai	1	8	-	-	4	-

1/ Includes licensed stations that are digital television.

2/ Revised from previous *Data Book* .

Source: Robert C. Schmitt, *Historical Statistics of Hawaii* (University Press of Hawaii, 1977), p. 482; Federal Communications Commission, Field Operations Bureau, Honolulu, records; R.R. Bowker, *Working Press of the Nation* , Vol. 3, TV & Radio Directory, annual (for 2000-2002) and Federal Communications Commission, Media Bureau, Internet Queries (for 2005-16) <<http://www.fcc.gov/encyclopedia/audio-division-media-bureau>> accessed February 14, 2017.

**Table 16.15-- NUMBER OF DAILY NEWSPAPERS, BY PLACE OF PUBLICATION AND LANGUAGE: 1975 TO 1999**

[The earliest daily newspaper in Hawaii, *The Daily Hawaiian Herald*, first appeared September 4, 1866 and was discontinued December 21, 1866. Permanent dailies were initially published in 1882. Five-year statistics from 1885 to 1975 appear in *Historical Statistics of Hawaii* (1977), table 18.5]

Subject	1975	1980	1985	1990	1995	1999
Totals	7	6	9	9	10	11
Language						
Chinese	2	1	1	1	1	1
English	3	3	6	6	6	6
Hawaiian	-	-	-	-	-	-
Japanese 1/	2	2	1	1	1	1
Korean	-	-	1	1	2	3
Place of publication						
Honolulu, Oahu	6	5	5	5	6	7
Hilo, Hawaii	1	1	1	1	1	1
Kailua-Kona, Hawaii	-	-	1	1	1	1
Lihue, Kauai	-	-	1	1	1	1
Wailuku, Maui	-	-	1	1	1	1

1/ Includes English section.

Source: Aloha United Way, *Hawaii Media Guide* for 1977-1985; *Hawaii All-Media Publicity Guide* 1987, 1991, 1996 and 1997; and Helen G. Chapin, *Guide to Newspapers of Hawai'i 1834-2000* (Hawaiian Historical Society, 2000).

**Table 16.16-- NUMBER OF NEWSPAPERS, TOTAL AND DAILY:  
1834 TO 2000**

Year	Total	Daily	Year	Total	Daily
1834 1/	2	-	1920	56	11
1835	1	-	1925	52	7
1840	2	-	1930	61	6
1845	5	-	1935	62	8
1850	4	-	1940	70	7
1855	5	-	1945	82	8
1860	9	-	1950	91	7
1865	5	-	1955	100	7
1870	11	-	1960	102	7
1875	7	-	1965	102	7
1880	10	-	1970	132	7
1885	20	4	1975	140	7
1890	20	5	1980	152	6
1895	35	7	1985	140	9
1900	43	8	1990	149	9
1905	50	11	1995	152	10
1910	54	7	2000	135	10
1915	48	8			

1/ The two earliest newspapers in Hawaii were both established in 1834.

Source: Robert C. Schmitt, *Historical Statistics of Hawaii* (The University Press of Hawaii, 1977), table 18.5; and Helen G. Chapin, *Guide to Newspapers of Hawai'i 1834-2000* (Hawaiian Historical Society, 2000), pp. 127-226.

**Table 16.17-- AVERAGE PAID CIRCULATION OF DAILY AND SUNDAY ENGLISH-LANGUAGE NEWSPAPERS: 2010-2011 TO 2014**

[Averages for 12-month periods ended in March, unless otherwise noted. Foreign-language daily newspapers, not included in this table, are the *Hawaii Hochi*, Japanese and English; *The Joong-Ang Daily News*, *Korea Times/Han Kook Ilbo* and *Korea Central Daily*, Korean; and United Chinese Press, Chinese]

Newspaper	2010-2011	2011-2012	2012-2013	2013 1/ 2/	2014 1/ 2/
<b>Daily</b>					
<i>Honolulu Star-Advertiser</i>	121,921	123,400	(NA)	136,557	130,284
<i>Hawaii Tribune-Herald</i> (Hilo)	16,924	16,152	15,514	(NA)	(NA)
<i>West Hawaii Today</i> (Kailua-Kona)	(NA)	(NA)	(NA)	(NA)	(NA)
<i>Maui News</i> (Wailuku)	18,247	17,521	17,387	(NA)	(NA)
<i>Garden Island</i> (Lihue)	11,257	(NA)	(NA)	(NA)	(NA)
<b>Sunday morning</b>					
<i>Honolulu Star-Advertiser</i>	136,179	138,055	(NA)	156,317	149,600
<i>Hawaii Tribune-Herald</i> (Hilo)	19,258	19,090	18,227	(NA)	(NA)
<i>West Hawaii Today</i> (Kailua-Kona)	(NA)	(NA)	(NA)	(NA)	(NA)
<i>Maui News</i> (Wailuku)	20,590	19,809	19,662	(NA)	(NA)
<i>Garden Island</i> (Lihue)	8,888	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ 12 months ended December 31.

2/ Includes print, digital replica, and digital nonreplica circulation.

Source: Data provided by newspaper publishers to the Hawaii State Department of Business, Economic Development & Tourism and Alliance for Audited Media, "Honolulu Star-Advertiser Audit Report" (12 months ended December 31, 2013) <[http://www.oahupublications.com/opi/Star-Advertiser\\_AAM\\_Audit\\_123113.pdf](http://www.oahupublications.com/opi/Star-Advertiser_AAM_Audit_123113.pdf)> accessed July 19, 2017 and (12 months ended December 31, 2014) <[http://www.oahupublications.com/opi/Star-Advertiser\\_AAM\\_Audit\\_123114.pdf](http://www.oahupublications.com/opi/Star-Advertiser_AAM_Audit_123114.pdf)> accessed July 19, 2017.

**Table 16.18-- POSTAGE RATES AND NEWSPAPER PRICES, FOR HONOLULU:  
2000 TO 2017**

[In cents. As of July 1 unless otherwise specified]

Year	Domestic first-class postage rates			Newspaper price 1/			
	Letters		Postal and post cards	Daily	Sunday		
	First ounce	Each added ounce			<i>The Honolulu Star Advertiser</i>	<i>The Honolulu Advertiser</i>	<i>Honolulu Star-Bulletin</i>
2000	33	22	20	50	(X)	175	(X)
2001	34	23	21	50	(X)	175	(X)
2002	37	23	23	50	(X)	175	75
2003	37	23	23	50	(X)	175	75
2004	37	23	23	50	(X)	175	75
2005	37	23	23	50	(X)	175	75
2006	39	24	24	50	(X)	175	75
2007	41	2/ 17	26	50	(X)	175	75
2008	42	2/ 17	27	50	(X)	175	75
2009	44	3/ 17	28	(4/)	(X)	200	100
2010	44	3/ 17	28	(4/)(5/)	(X)	5/ 200	5/ 100
2011	44	6/ 20	29	75	200	(X)	(X)
2012	45	7/ 20	32	75	200	(X)	(X)
2013	46	8/ 20	33	100	225	(X)	(X)
2014	49	9/ 21	34	100	225	(X)	(X)
2015	49	10/ 22	35	100	225	(X)	(X)
2016 11/	49	10/ 22	35	100	225	(X)	(X)
2017	49	9/ 21	34	100	225	(X)	(X)

Continued on next page.

**Table 16.18-- POSTAGE RATES AND NEWSPAPER PRICES, FOR HONOLULU:  
2000 TO 2017 -- Con.**

X Not applicable.

1/ Street sales, for *The Honolulu Advertiser* (daily, Oahu, all years), *Honolulu Star-Bulletin* (daily, all years), the *Sunday Star-Bulletin and Advertiser* (through February 27, 1993), and the *Sunday The Honolulu Advertiser* (beginning March 7, 1993). *The Honolulu Star-Bulletin*, under new owner Oahu Publications, began to publish on March 15, 2001, with the first Sunday edition on April 1, 2001.

2/ For weight not over 2 ounces \$0.59, for weight not over 3 ounces \$0.76, for weight not over 3.5 ounces \$0.93, and for weights over 3.5 ounces flat-size rates are used.

3/ For weight not over 2 ounces \$0.61, for weight not over 3 ounces \$0.78, for weight not over 3.5 ounces \$0.95, and for weights over 3.5 ounces flat-size rates are used.

4/ \$0.75 for *The Honolulu Advertiser*, \$0.50 for *The Honolulu Star-Bulletin*.

5/ As of June 4, 2010 for Daily and as of June 6, 2010 for Sunday paper. Star-Advertiser emerged from the sale of *The Honolulu Advertiser* to the *Honolulu Star-Bulletin* on June 7, 2010.

6/ For weight not over 2 ounces \$0.64, for weight not over 3 ounces \$0.84, for weight not over 3.5 ounces \$1.04, and for weights over 3.5 ounces flat-size rates are used.

7/ For weight not over 2 ounces \$0.65, for weight not over 3 ounces \$0.85, for weight not over 3.5 ounces \$1.05, and for items over 3.5 ounces, large envelope or package prices are used.

8/ For weight not over 2 ounces \$0.66, for weight not over 3 ounces \$0.86, for weight not over 3.5 ounces \$1.06, and for items over 3.5 ounces, large envelope or package prices are used.

9/ For weight not over 2 ounces \$0.70, for weight not over 3 ounces \$0.91, for weight not over 3.5 ounces \$1.12, and for items over 3.5 ounces, large envelope or package prices are used.

10/ For weight not over 2 ounces \$0.71, for weight not over 3 ounces \$0.93, for weight not over 3.5 ounces \$1.15, and for items over 3.5 ounces, large envelope or package prices are used.

11/ Revised from previous *Data Book*.

Source: Postal rates from U.S. Census Bureau, *Statistical Abstract of the United States: 2002*, table 1094, and U.S. Postal Service, *Rates and Fees* <<https://www.usps.com/ship/first-class-mail.htm>> accessed February 28, 2017; Newspaper rates from *The Honolulu Star-Advertiser* <<https://gateway.staradvertiser.com/index.html>> accessed February 28, 2017.



**Table 16.19-- BOOKS AND SCHOLARLY JOURNALS PUBLISHED BY THE  
UNIVERSITY OF HAWAII PRESS: 1991 TO 2016**

Year	Published titles 1/				New books and journals published 3/		Volumes sold 3/	Book sales revenues 3/ (dollars)
	Cumulative total 2/		In print		Books	Scholarly journals		
	Paper or cloth based	Digital editions	Paper or cloth based	Digital editions				
1991	1,024	(NA)	705	(NA)	53	12	365,790	2,721,480
1992	1,072	(NA)	717	(NA)	48	12	350,274	2,611,388
1993	1,123	(NA)	738	(NA)	51	12	354,063	2,859,494
1994	1,183	(NA)	772	(NA)	60	13	378,807	2,960,051
1995	1,257	(NA)	790	(NA)	74	13	385,673	3,014,268
1996	1,323	(NA)	823	(NA)	54	12	374,168	2,896,316
1997	1,402	(NA)	833	(NA)	65	12	322,378	3,182,690
1998	1,486	(NA)	818	(NA)	84	12	290,199	3,042,984
1999	1,572	(NA)	897	(NA)	83	12	272,407	3,365,336
2000	1,650	(NA)	930	(NA)	82	12	320,509	3,340,336
2001	1,748	(NA)	1,003	(NA)	84	12	316,978	3,583,534
2002	1,854	(NA)	1,063	(NA)	93	13	299,272	3,632,013
2003	1,948	(NA)	1,113	(NA)	83	14	310,407	3,221,852
2004	2,052	(NA)	1,169	(NA)	88	14	307,481	3,769,678
2005	2,143	(NA)	1,209	(NA)	78	13	282,093	3,595,126
2006	2,233	(NA)	1,294	(NA)	78	14	321,672	4,002,717
2007	2,323	(NA)	1,289	(NA)	80	14	283,047	3,719,467
2008	2,401	(NA)	1,396	(NA)	73	14	257,537	3,735,513
2009	2,497	(NA)	1,477	(NA)	90	14	225,861	3,271,155
2010	2,559	(NA)	1,485	(NA)	58	14	207,283	3,277,930
2011	2,636	(NA)	1,539	(NA)	77	14	210,459	3,135,110
2012	2,710	(NA)	1,591	(NA)	74	14	233,994	3,221,734
2013	2,771	(NA)	1,591	(NA)	61	16	229,405	3,346,534
2014	2,799	(NA)	1,357	(NA)	73	16	220,553	3,324,607
2015	2,892	(NA)	1,342	(NA)	92	16	190,706	3,521,581
2016	3,164	1,113	1,773	1,113	73	17	199,677	3,378,388

1/ As of June 30. Excludes journals.

2/ Includes books and other media, but not journals.

3/ Year ending June 30.

Source: The University of Hawaii Press, *Annual Report* and records.