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U.S. Government Estimates of Quarterly Revenue for Selected Services 4th Quarter 2007

Special Notice: Quarterly services revenue estimates were revised based on the results of the Service Annual Survey. Annual benchmark tables showing revised data can be found on our website at <http://www.census.gov/qss>. All revised data were based on 2002 North American Industry Classification System (NAICS) definitions.

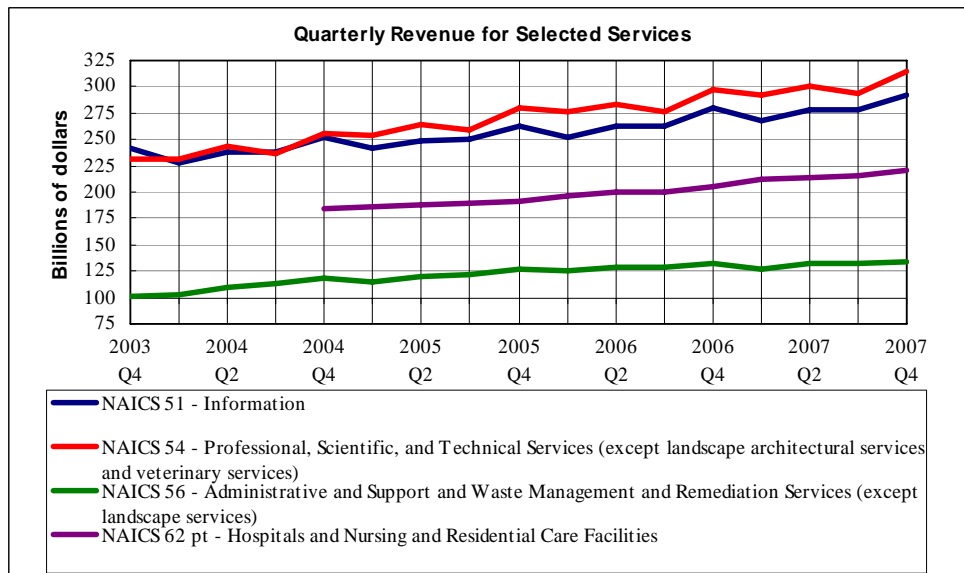
Information The U.S. Census Bureau announced today that the estimate of U.S. information sector revenue for the fourth calendar quarter of 2007, not adjusted for seasonal variation, holiday or trading-day differences, or price changes, was \$292.4 billion, an increase of 5.1 percent ($\pm 0.7\%$) from the third quarter of 2007 and up 4.5 percent ($\pm 1.2\%$) from the fourth quarter of 2006. The second to third quarter percent change was revised from 0.4 percent ($\pm 0.7\%$)* to 0.0 percent ($\pm 0.7\%$)*.

Professional, scientific, and technical services (except landscape architectural services and veterinary services) The estimate of U.S. professional, scientific, and technical services (except landscape architectural services and veterinary services) revenue for the fourth quarter of 2007, not adjusted for seasonal variation, holiday or trading-day differences, or price changes, was \$313.8 billion, an increase of 6.6 percent ($\pm 1.2\%$) from the third quarter of 2007 and up 5.9 percent ($\pm 1.8\%$) from the fourth quarter of 2006. The second to third quarter percent change was revised from -2.5 percent ($\pm 1.2\%$) to -2.2 percent ($\pm 1.2\%$).

Administrative and support and waste management and remediation services (except landscape services) The estimate of U.S. administrative and support and waste management and remediation services (except landscape services) revenue for the fourth quarter of 2007, not adjusted for seasonal variation, holiday or trading-day differences, or price changes, was \$133.3 billion, an increase of 0.9 percent ($\pm 1.5\%$)* from the third quarter of 2007 and up 1.4 percent ($\pm 3.1\%$)* from the fourth quarter of 2006. The second to third quarter percent change was revised from 1.6 percent ($\pm 1.3\%$) to 0.5 percent ($\pm 1.5\%$)*.

Hospitals and nursing and residential care facilities The estimate of U.S. hospitals and nursing and residential care facilities revenue for the fourth quarter of 2007, not adjusted for seasonal variation, holiday or trading-day differences, or price changes, was \$220.9 billion, an increase of 2.5 percent ($\pm 0.8\%$) from the third quarter of 2007 and up 7.9 percent ($\pm 1.3\%$) from the fourth quarter of 2006. The second to third quarter percent change was revised from -0.2 percent ($\pm 1.0\%$)* to 0.5 percent ($\pm 0.8\%$)*.

For survey description and an explanation of the measures of sampling variability included in this report, please see the last page of the publication.



First quarter 2008 revenue is scheduled to be released on June 11, 2008, at 10:00 a.m. EDT.

This report is available on the day of issue through the Department of Commerce's STAT-USA Website; for more information, call (202) 482-1986

* The 90 percent confidence interval includes zero. The Census Bureau does not have sufficient statistical evidence to conclude that the actual change is different from zero.

Our internet site is <http://www.census.gov/qss>

Table 1. Selected Services - Estimated Quarterly Revenue for Employer Firms

[Estimates have not been adjusted for seasonal variation, holiday or trading-day differences, or price changes. Estimates are based on data from the Quarterly Services Survey and have been adjusted using results of the 2006 Service Annual Survey. All estimates are based on the 2002 North American Industry Classification System (NAICS). For additional information see www.census.gov/qss]

2002 NAICS code	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2007 (p)	3Q 2007 (r)	2Q 2007	1Q 2007	4Q 2006	3Q 2006	4Q 2007 from 3Q 2007 (p)	3Q 2007 from 2Q 2007 (r)	4Q 2007 from 4Q 2006 (p)	3Q 2007 from 3Q 2006 (r)	2007 (p)	2006	2007 from 2006 (p)
51	Information	292,417	278,143	278,188	268,484	279,945	262,807	5.1	Z	4.5	5.8	1,117,232	1,056,045	5.8
511	Publishing industries (except Internet)	77,040	71,496	71,040	69,334	74,877	70,063	7.8	0.6	2.9	2.0	288,910	X	X
51111	Newspaper publishers	11,957	11,413	11,889	11,139	13,003	11,554	4.8	-4.0	-8.0	-1.2	46,398	X	X
51112	Periodical publishers	12,394	12,077	11,970	11,010	12,316	11,936	2.6	0.9	0.6	1.2	47,451	X	X
5111 pt	Book, directory and mailing list, and other publishers ¹	13,372	14,484	11,944	11,559	13,327	14,707	-7.7	21.3	0.3	-1.5	51,359	X	X
5112	Software publishers	39,317	33,522	35,237	35,626	36,231	31,866	17.3	-4.9	8.5	5.2	143,702	130,727	9.9
512	Motion picture and sound recording industries	27,571	24,569	26,328	24,663	27,086	22,102	12.2	-6.7	1.8	11.2	103,131	94,400	9.2
515	Broadcasting (except Internet)	25,985	23,598	24,404	23,000	25,342	22,623	10.1	-3.3	2.5	4.3	96,987	X	X
5151	Radio and television broadcasting	14,658	13,057	14,198	13,619	15,232	13,162	12.3	-8.0	-3.8	-0.8	55,532	56,435	-1.6
5152	Cable and other subscription programming	11,327	10,541	10,206	9,381	10,110	9,461	7.5	3.3	12.0	11.4	41,455	X	X
516,	Internet publishing and broadcasting, Internet													
5181,	service providers and web search portals,													
519	and other information services	17,140	15,405	14,661	13,971	13,375	11,569	11.3	5.1	28.1	33.2	61,177	X	X
517	Telecommunications	126,388	124,969	123,138	120,082	120,974	118,703	1.1	1.5	4.5	5.3	494,577	X	X
5171	Wired telecommunications carriers	47,241	48,124	48,081	47,818	49,808	50,031	-1.8	0.1	-5.2	-3.8	191,264	199,933	-4.3
5172	Wireless telecommunications carriers (except satellite)	46,850	45,935	44,215	43,132	42,137	41,048	2.0	3.9	11.2	11.9	180,132	160,159	12.5
5175	Cable and other program distribution	26,487	25,248	25,267	23,710	23,607	22,320	4.9	-0.1	12.2	13.1	100,712	X	X
517 pt	Other telecommunications ²	5,810	5,662	5,575	5,422	5,422	5,304	2.6	1.6	7.2	6.7	22,469	20,769	8.2
5182	Data processing, hosting, and related services	18,293	18,106	18,617	17,434	18,291	17,747	1.0	-2.7	Z	2.0	72,450	70,063	3.4
54	Professional, scientific, and technical services	320,066	300,703	307,559	297,840	302,049	282,677	6.4	-2.2	6.0	6.4	1,226,168	X	X
54 pt	Professional, scientific, and technical services (except landscape architectural services and veterinary services)	313,816	294,410	301,062	291,882	296,373	276,690	6.6	-2.2	5.9	6.4	1,201,170	1,133,611	6.0
5411	Legal services	68,793	58,763	60,702	58,862	69,400	58,223	17.1	-3.2	-0.9	0.9	247,120	X	X
5412	Accounting, tax preparation, bookkeeping, and payroll services	24,005	21,837	26,891	30,343	23,387	21,657	9.9	-18.8	2.6	0.8	103,076	105,146	-2.0
5413	Architectural, engineering, and related services	64,964	62,931	60,405	58,838	58,032	56,618	3.2	4.2	11.9	11.2	247,138	X	X
5413 pt	Architectural and related services ³	16,877	16,126	15,838	15,754	14,868	14,745	4.7	1.8	13.5	9.4	64,595	X	X
54133	Engineering services	48,087	46,805	44,567	43,084	43,164	41,873	2.7	5.0	11.4	11.8	182,543	X	X
5415	Computer systems design and related services	56,127	54,272	54,554	51,161	51,964	49,603	3.4	-0.5	8.0	9.4	216,114	200,695	7.7
5416	Management, scientific, and technical consulting services	40,931	40,030	41,003	38,325	37,130	36,983	2.3	-2.4	10.2	8.2	160,289	149,347	7.3
5417	Scientific research and development services	25,950	25,147	24,844	24,145	X	X	3.2	1.2	X	X	100,086	X	X
5418	Advertising and related services	19,460	18,260	18,489	17,366	19,269	17,582	6.6	-1.2	1.0	3.9	73,575	71,923	2.3
541 pt	Other professional, scientific, and technical services ⁴	19,836	19,463	20,671	18,800	X	X	1.9	-5.8	X	X	78,770	X	X
56	Administrative and support and waste management and remediation services	145,592	145,327	145,041	137,168	143,367	141,664	0.2	0.2	1.6	2.6	573,128	X	X
56 pt	Administrative and support and waste management and remediation services (except landscape service)	133,274	132,037	131,431	127,041	131,448	129,533	0.9	0.5	1.4	1.9	523,783	516,013	1.5
561	Administrative and support services	126,066	125,897	126,269	119,429	125,081	123,538	0.1	-0.3	0.8	1.9	497,661	X	X
5613	Employment services	46,681	44,071	43,819	42,464	44,616	42,221	5.9	0.6	4.6	4.4	177,035	170,316	3.9
5615	Travel arrangement and reservation services	8,012	8,287	8,804	8,282	7,897	7,863	-3.3	-5.9	1.5	5.4	33,385	31,006	7.7
561 pt	Other administrative and support services ⁵	71,373	73,539	73,646	68,683	72,568	73,454	-2.9	-0.1	-1.6	0.1	287,241	X	X
562	Waste management and remediation services	19,526	19,430	18,772	17,739	18,286	18,126	0.5	3.5	6.8	7.2	75,467	70,621	6.9

Table 1. Selected Services - Estimated Quarterly Revenue for Employer Firms

[Estimates have not been adjusted for seasonal variation, holiday or trading-day differences, or price changes. Estimates are based on data from the Quarterly Services Survey and have been adjusted using results of the 2006 Service Annual Survey. All estimates are based on the 2002 North American Industry Classification System (NAICS). For additional information see www.census.gov/qss]

2002 NAICS code	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2007 (p)	3Q 2007 (r)	2Q 2007	1Q 2007	4Q 2006	3Q 2006	4Q 2007 from 3Q 2007 (p)	3Q 2007 from 2Q 2007 (r)	4Q 2007 from 4Q 2006 (p)	3Q 2007 from 3Q 2006 (r)	2007 (p)	2006	2007 from 2006 (p)
62 pt	Selected health care services ⁶	220,881	215,550	214,413	211,879	204,725	200,129	2.5	0.5	7.9	7.7	862,723	801,749	7.6
622	Hospitals	180,370	175,999	175,653	173,789	167,600	163,013	2.5	0.2	7.6	8.0	705,811	653,033	8.1
623	Nursing and residential care facilities	40,511	39,551	38,760	38,090	37,125	37,116	2.4	2.0	9.1	6.6	156,912	148,716	5.5

(p) Preliminary estimate. (r) Revised estimate. X Not applicable. Z Less than .05 percent.

(1) Includes NAICS 51113 (book publishers), 51114 (directory and mailing list publishers), and 51119 (other publishers).

(2) Includes NAICS 5173 (telecommunications resellers), 5174 (satellite telecommunications), and 5179 (other telecommunications).

(3) Includes all of NAICS 5413 (architectural, engineering, and related services) except 54133 (engineering services).

(4) Includes NAICS 5414 (specialized design services), and 5419 (other professional, scientific, and technical services).

(5) Includes NAICS 5611 (office administrative services), 5612 (facilities support services), 5614 (business support services), 5616 (investigation and security services), 5617 (services to buildings and dwellings), and 5619 (other support services).

(6) Includes NAICS 622 (hospitals) and 623 (nursing and residential care facilities).

Note: Sector totals and subsector totals may include data for kinds of business not shown. Table 2 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at www.census.gov/svsd/www/qssreliability.html.

Table 2. Selected Services - Estimated Measures of Sampling Variability

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2002 NAICS code	Kind of business	Median coefficient of variation for quarterly total revenue	Median standard error ¹ for percent change		Coefficient of variation for year to date	Standard error for percent change
			Ratio of two consecutive quarters	Current quarter to current quarter last year	2007	2007 year to date from 2006 year to date
51	Information	0.8	0.4	0.7	0.8	0.5
511	Publishing industries (except Internet)	2.2	0.8	1.4	2.2	X
51111	Newspaper publishers	4.5	0.8	2.2	4.5	X
51112	Periodical publishers	6.5	1.5	2.1	6.4	X
5111 pt	Book, directory and mailing list, and other publishers	2.4	1.2	1.7	2.3	X
5112	Software publishers	3.3	1.7	2.3	3.2	2.0
512	Motion picture and sound recording industries	2.8	1.6	3.1	2.4	2.1
515	Broadcasting (except Internet)	2.4	0.5	1.1	2.4	X
5151	Radio and television broadcasting	3.3	0.8	1.6	3.1	0.8
5152	Cable and other subscription programming	1.6	0.4	1.1	1.6	X
516,	Internet publishing and broadcasting, Internet					
5181,	service providers and web search portals,					
519	and other information services	6.5	1.7	6.2	6.4	X
517	Telecommunications	1.5	0.4	0.6	1.5	X
5171	Wired telecommunications carriers	3.7	0.8	0.7	3.6	1.2
5172	Wireless telecommunications carriers (except satellite)	1.1	0.4	1.2	1.1	0.9
5175	Cable and other program distribution	1.3	0.3	0.9	1.2	X
517 pt	Other telecommunications	5.4	1.6	2.2	5.2	3.6
5182	Data processing, hosting, and related services	4.7	1.9	4.1	4.4	3.8
54	Professional, scientific, and technical services	2.5	0.7	1.1	2.4	X
54 pt	Professional, scientific, and technical services (except landscape architectural services and veterinary services)	2.3	0.7	1.1	2.3	1.0
5411	Legal services	5.6	2.3	3.3	5.5	X
5412	Accounting, tax preparation, bookkeeping, and payroll services	9.3	2.5	4.3	9.0	4.6
5413	Architectural, engineering, and related services	3.9	1.7	2.5	3.6	X
5413 pt	Architectural and related services	6.0	3.1	4.2	6.0	X
54133	Engineering services	4.0	1.6	3.0	3.8	X
5415	Computer systems design and related services	3.8	1.8	2.4	3.6	2.0
5416	Management, scientific, and technical consulting services	4.8	1.6	3.9	4.8	3.5
5417	Scientific research and development services	10.0	1.7	X	10.0	X
5418	Advertising and related services	3.9	1.5	2.9	3.8	1.6
541 pt	Other professional, scientific, and technical services	4.0	1.8	X	3.9	X
56	Administrative and support and waste management and remediation services	2.7	0.9	1.8	2.6	X
56 pt	Administrative and support and waste management and remediation services (except landscape services)	3.1	0.9	1.9	3.0	0.8
561	Administrative and support services	3.3	1.1	1.9	3.2	X
5613	Employment services	5.3	1.2	2.8	5.2	1.5
5615	Travel arrangement and reservation services	5.4	2.4	6.1	5.3	4.0
561 pt	Other administrative and support services	3.9	1.3	2.7	3.8	X
562	Waste management and remediation services	7.3	1.6	3.2	7.3	3.7

Table 2. Selected Services - Estimated Measures of Sampling Variability

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2002 NAICS code	Kind of business	Median coefficient of variation for quarterly total revenue	Median standard error ¹ for percent change		Coefficient of variation for year to date	Standard error for percent change
			Ratio of two consecutive quarters	Current quarter to current quarter last year	2007	2007 year to date from 2006 year to date
62 pt	Selected health care services	2.4	0.5	0.8	2.4	1.0
622	Hospitals	3.1	0.6	0.8	3.1	1.1
623	Nursing and residential care facilities	5.3	0.7	1.7	5.2	2.2

X Not applicable.

(1) The medians are based on estimates for the most recent four quarters.

Note: Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at www.census.gov/svsd/www/qssreliability.html.

Survey Description

The U.S. Census Bureau conducts the Quarterly Services Survey (QSS) to provide national estimates of quarterly revenue for employer firms located in the United States and classified in select service industries. The QSS sample includes firms classified in NAICS 51 (Information), NAICS 54 (Professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), and NAICS 62 (Hospitals and nursing and residential care facilities). Each quarter, questionnaires are mailed to a probability sample of approximately 6,000 employer firms selected from the larger Service Annual Survey (SAS) sample. The QSS sample includes firms of all sizes and is updated on a quarterly basis to account for new service businesses, deaths, and other changes to the survey universe. Data for nonresponding firms are imputed based on data for similar-sized firms classified in the same kind of business. For NAICS 51 (Information sector), imputed revenue amounts to about 10 percent of the total revenue estimate; for NAICS 54 (Professional, scientific, and technical services except landscape architectural services and veterinary services) imputed revenue amounts to about 25 percent; for NAICS 56 (Administrative and support and waste management and remediation services except landscape services) imputed revenue amounts to about 33 percent, and for NAICS 62 (Hospitals and nursing and residential care facilities) imputed revenue amounts to about 20 percent. Quarterly revenue estimates are obtained by summing weighted data (either reported or imputed), where the weight for a particular unit is the reciprocal of its probability of being selected into the sample. The quarterly revenue estimates are adjusted using SAS results. Additional information on the QSS can be found on the Census Bureau website at: <http://www.census.gov/qss>.

Reliability of the Estimates

The estimates in this report may differ from the actual, but unknown, population values. For a particular estimate, statisticians define this difference as the total error of the estimate. When describing the accuracy of survey results, it is convenient to discuss total error as the sum of sampling error and nonsampling error.

Nonsampling error is the difference between the actual population parameter and the value that would be derived by surveying the entire set of units identified as the survey universe (the sampling frame). There are many potential contributors to nonsampling error – the inclusion of erroneous units in the survey (overcoverage), the exclusion of eligible units from the survey (undercoverage), nonresponse, misreporting, mistakes in recording and coding responses, misinterpretation of questions, and other errors of collection, response, coverage, or processing. Though nonsampling error is not measured directly, the Census Bureau employs quality control procedures throughout the process to minimize this type of error.

Sampling error is the average difference between the estimate and the result that would be obtained from a complete enumeration of the sampling frame conducted under the same survey conditions. This error occurs because only a subset of the entire sampling frame is measured in a sample survey. Common measures of sampling error are the sampling variance, the standard error, and the coefficient of variation (CV). The sampling variance is defined as the squared difference, averaged over all possible samples of the same size and design, between the estimator and its average value. The standard error is the square root of the sampling variance. The CV expresses the standard error as a percentage of the estimate to which it refers. For example, an estimate of 200 units that has an estimated standard error of 10 units has an estimated CV of 5 percent. The sampling variance, standard error, and CV of an estimate can be estimated from the selected sample because the sample was selected using probability sampling. Standard errors and coefficients of variation are given in Table 2 of this report.

The first page of this release gives statements about the change in revenue from a prior period. Each change estimate is accompanied by a number in parentheses, called the “margin of error.” The margin of error can be used to construct a 90-percent confidence interval, which is interpreted as follows. If, for each possible sample, an estimate and its approximate standard error are obtained, then for approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the average of the estimates derived from all possible samples. If, for example, a particular change estimate is +1.2 percent and its associated margin of error is ± 1.5 percentage points, then the 90-percent confidence interval for the change estimate is -0.3 percent to +2.7 percent. If the interval contains 0, then one does not have sufficient evidence to conclude at the 90-percent confidence level that the actual change is different from zero. Each comparison stated in this report has undergone statistical testing and is significant at the 90-percent confidence level, unless otherwise noted.

Data users should take into account the estimates of sampling error and the potential effects of nonsampling error when using the statistics in this publication.