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U.S. Government Estimates of Quarterly Revenue for Selected Services 2nd Quarter 2008

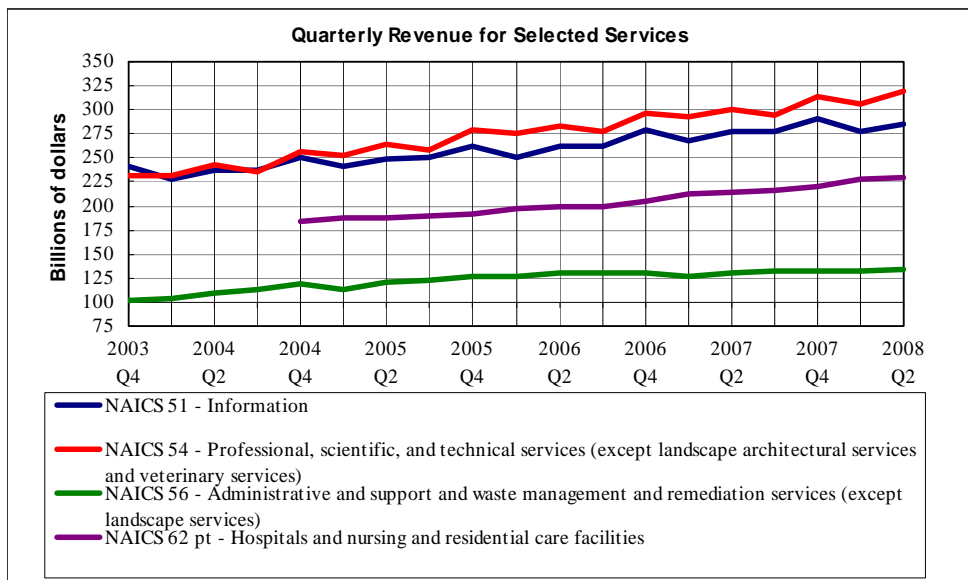
Information The U.S. Census Bureau announced today that the estimate of U.S. information sector revenue for the second calendar quarter of 2008, not adjusted for seasonal variation, holiday or trading-day differences, or price changes, was \$284.9 billion, an increase of 2.5 percent ($\pm 0.5\%$) from the first quarter of 2008 and up 2.4 percent ($\pm 1.2\%$) from the second quarter of 2007. The fourth quarter of 2007 to first quarter of 2008 percent change was revised from -4.7 percent ($\pm 0.7\%$) to -4.6 percent ($\pm 0.5\%$).

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 second quarter of 2008, not adjusted for seasonal variation, holiday or trading-day differences, or price changes, was \$319.3 billion, an increase of 4.2 percent ($\pm 1.2\%$) from the first quarter of 2008 and up 6.1 percent ($\pm 2.0\%$) from the second quarter of 2007. The fourth quarter of 2007 to first quarter of 2008 percent change was revised from -3.1 percent ($\pm 1.2\%$) to -2.5 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 second quarter of 2008, not adjusted for seasonal variation, holiday or trading-day differences, or price changes, was \$135.3 billion, an increase of 2.1 percent ($\pm 1.8\%$) from the first quarter of 2008 and up 3.0 percent ($\pm 2.3\%$) from the second quarter of 2007. The fourth quarter of 2007 to first quarter of 2008 percent change was revised from 0.2 percent ($\pm 1.5\%$)* to -0.2 percent ($\pm 1.8\%$)*.

Hospitals and nursing and residential care facilities The estimate of U.S. hospitals and nursing and residential care facilities revenue for the second quarter of 2008, not adjusted for seasonal variation, holiday or trading-day differences, or price changes, was \$229.8 billion, an increase of 0.7 percent ($\pm 1.0\%$)* from the first quarter of 2008 and up 7.2 percent ($\pm 1.2\%$) from the second quarter of 2007. The fourth quarter of 2007 to first quarter of 2008 percent change was revised from 3.9 percent ($\pm 0.8\%$) to 3.7 percent ($\pm 1.0\%$).

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



Third quarter 2008 revenue is scheduled to be released on December 11, 2008, at 10:00 a.m. EST.

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		
		2Q 2008 (p)	1Q 2008 (r)	4Q 2007	3Q 2007	2Q 2007	1Q 2007	2Q 2008 from 1Q 2008 (p)	1Q 2008 from 4Q 2007 (r)	2Q 2008 from 2Q 2007 (p)	1Q 2008 from 1Q 2007 (r)	2008 (p)	2007	2008 from 2007 (p)
51	Information	284,942	277,999	291,482	278,143	278,188	268,484	2.5	-4.6	2.4	3.5	562,941	546,672	3.0
511	Publishing industries (except Internet)	72,179	70,412	76,810	71,496	71,040	69,334	2.5	-8.3	1.6	1.6	142,591	140,374	1.6
51111	Newspaper publishers	10,240	10,274	11,932	11,413	11,889	11,139	-0.3	-13.9	-13.9	-7.8	20,514	23,028	-10.9
51112	Periodical publishers	11,282	11,228	12,333	12,077	11,970	11,010	0.5	-9.0	-5.7	2.0	22,510	22,980	-2.0
5111 pt	Book, directory and mailing list, and other publishers ¹	12,316	11,820	13,380	14,484	11,944	11,559	4.2	-11.7	3.1	2.3	24,136	23,503	2.7
5112	Software publishers	38,341	37,090	39,165	33,522	35,237	35,626	3.4	-5.3	8.8	4.1	75,431	70,863	6.4
512	Motion picture and sound recording industries	26,562	25,050	27,603	24,569	26,328	24,663	6.0	-9.2	0.9	1.6	51,612	50,991	1.2
515	Broadcasting (except Internet)	25,486	24,197	25,734	23,598	24,404	23,000	5.3	-6.0	4.4	5.2	49,683	47,404	4.8
5151	Radio and television broadcasting	13,866	13,532	14,609	13,057	14,198	13,619	2.5	-7.4	-2.3	-0.6	27,398	27,817	-1.5
5152	Cable and other subscription programming	11,620	10,665	11,125	10,541	10,206	9,381	9.0	-4.1	13.9	13.7	22,285	19,587	13.8
516,	Internet publishing and broadcasting, Internet													
5181,	service providers and web search portals,													
519	and other information services	16,676	16,597	17,017	15,405	14,661	13,971	0.5	-2.5	13.7	18.8	33,273	28,632	16.2
517	Telecommunications	126,091	124,598	126,384	124,969	123,138	120,082	1.2	-1.4	2.4	3.8	250,689	243,220	3.1
5171	Wired telecommunications carriers	45,734	45,937	47,241	48,124	48,081	47,818	-0.4	-2.8	-4.9	-3.9	91,671	95,899	-4.4
5172	Wireless telecommunications carriers (except satellite)	47,846	46,981	46,966	45,935	44,215	43,132	1.8	Z	8.2	8.9	94,827	87,347	8.6
5175	Cable and other program distribution	27,066	26,306	26,495	25,248	25,267	23,710	2.9	-0.7	7.1	10.9	53,372	48,977	9.0
517 pt	Other telecommunications ²	5,445	5,374	5,682	5,662	5,575	5,422	1.3	-5.4	-2.3	-0.9	10,819	10,997	-1.6
5182	Data processing, hosting, and related services	17,948	17,145	17,934	18,106	18,617	17,434	4.7	-4.4	-3.6	-1.7	35,093	36,051	-2.7
54	Professional, scientific, and technical services	326,267	312,628	320,572	300,703	307,559	297,840	4.4	-2.5	6.1	5.0	638,895	605,399	5.5
54 pt	Professional, scientific, and technical services (except landscape architectural services and veterinary services)	319,283	306,336	314,284	294,410	301,062	291,882	4.2	-2.5	6.1	5.0	625,619	592,944	5.5
5411	Legal services	63,287	57,245	69,246	58,763	60,702	58,862	10.6	-17.3	4.3	-2.7	120,532	119,564	0.8
5412	Accounting, tax preparation, bookkeeping, and payroll services	28,657	31,628	23,998	21,837	26,891	30,343	-9.4	31.8	6.6	4.2	60,285	57,234	5.3
5413	Architectural, engineering, and related services	67,060	63,959	65,158	62,931	60,405	58,838	4.8	-1.8	11.0	8.7	131,019	119,243	9.9
5413 pt	Architectural and related services ³	17,074	16,475	16,872	16,126	15,838	15,754	3.6	-2.4	7.8	4.6	33,549	31,592	6.2
54133	Engineering services	49,986	47,484	48,286	46,805	44,567	43,084	5.3	-1.7	12.2	10.2	97,470	87,651	11.2
5415	Computer systems design and related services	58,891	57,260	56,126	54,272	54,554	51,161	2.8	2.0	7.9	11.9	116,151	105,715	9.9
5416	Management, scientific, and technical consulting services	41,072	39,270	40,790	40,030	41,003	38,325	4.6	-3.7	0.2	2.5	80,342	79,328	1.3
5417	Scientific research and development services	27,291	25,224	26,022	25,147	24,844	24,145	8.2	-3.1	9.8	4.5	52,515	48,989	7.2
5418	Advertising and related services	19,284	18,775	19,418	18,260	18,489	17,366	2.7	-3.3	4.3	8.1	38,059	35,855	6.1
541 pt	Other professional, scientific, and technical services ⁴	20,725	19,267	19,814	19,463	20,671	18,800	7.6	-2.8	0.3	2.5	39,992	39,471	1.3
56	Administrative and support and waste management and remediation services	148,141	143,130	145,789	145,327	145,041	137,168	3.5	-1.8	2.1	4.3	291,271	282,209	3.2
56 pt	Administrative and support and waste management and remediation services (except landscape services)	135,337	132,578	132,781	132,037	131,431	127,041	2.1	-0.2	3.0	4.4	267,915	258,472	3.7
561	Administrative and support services	127,087	123,988	126,215	125,897	126,269	119,429	2.5	-1.8	0.6	3.8	251,075	245,698	2.2
5613	Employment services	45,706	45,439	46,701	44,071	43,819	42,464	0.6	-2.7	4.3	7.0	91,145	86,283	5.6
5615	Travel arrangement and reservation services	8,723	8,233	7,918	8,287	8,804	8,282	6.0	4.0	-0.9	-0.6	16,956	17,086	-0.8
561 pt	Other administrative and support services ⁵	72,658	70,316	71,596	73,539	73,646	68,683	3.3	-1.8	-1.3	2.4	142,974	142,329	0.5
562	Waste management and remediation services	21,054	19,142	19,574	19,430	18,772	17,739	10.0	-2.2	12.2	7.9	40,196	36,511	10.1

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		
		2Q 2008 (p)	1Q 2008 (r)	4Q 2007	3Q 2007	2Q 2007	1Q 2007	2Q 2008 from 1Q 2008 (p)	1Q 2008 from 4Q 2007 (r)	2Q 2008 from 2Q 2007 (p)	1Q 2008 from 1Q 2007 (r)	2008 (p)	2007	2008 from 2007 (p)
62 pt	Selected health care services ⁶	229,800	228,168	219,990	215,550	214,413	211,879	0.7	3.7	7.2	7.7	457,968	426,292	7.4
622	Hospitals	187,516	186,917	179,555	175,999	175,653	173,789	0.3	4.1	6.8	7.6	374,433	349,442	7.2
623	Nursing and residential care facilities	42,284	41,251	40,435	39,551	38,760	38,090	2.5	2.0	9.1	8.3	83,535	76,850	8.7

(p) Preliminary estimate. (r) Revised estimate. 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 ¹	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	2008	2008 year to date from 2007 year to date
51	Information	1.0	0.3	0.7	1.0	0.7
511	Publishing industries (except Internet)	2.5	0.9	1.0	2.5	1.0
51111	Newspaper publishers	4.4	1.3	1.8	4.5	1.6
51112	Periodical publishers	6.5	2.5	1.8	7.2	1.2
5111 pt	Book, directory and mailing list, and other publishers	2.4	0.9	1.4	2.2	1.0
5112	Software publishers	3.7	2.0	2.4	3.4	2.6
512	Motion picture and sound recording industries	3.3	1.4	2.5	3.5	2.5
515	Broadcasting (except Internet)	2.4	0.6	0.9	2.4	0.9
5151	Radio and television broadcasting	3.4	1.0	1.4	3.4	1.5
5152	Cable and other subscription programming	1.6	0.4	0.9	1.5	0.5
516, 5181, 519	Internet publishing and broadcasting, Internet service providers and web search portals, and other information services	6.9	1.6	4.1	7.3	4.0
517	Telecommunications	1.3	0.4	0.8	1.1	1.1
5171	Wired telecommunications carriers	3.4	0.8	1.2	2.9	1.7
5172	Wireless telecommunications carriers (except satellite)	1.4	0.3	0.9	1.6	1.0
5175	Cable and other program distribution	1.3	0.2	0.8	1.3	0.7
517 pt	Other telecommunications	5.5	1.2	3.2	6.1	3.2
5182	Data processing, hosting, and related services	4.0	1.9	4.0	3.7	3.9
54	Professional, scientific, and technical services	2.3	0.7	1.3	2.2	1.3
54 pt	Professional, scientific, and technical services (except landscape architectural services and veterinary services)	2.2	0.7	1.2	2.1	1.3
5411	Legal services	6.9	3.1	4.2	7.4	4.8
5412	Accounting, tax preparation, bookkeeping, and payroll services	9.3	2.5	3.6	9.2	3.4
5413	Architectural, engineering, and related services	3.0	1.9	2.5	2.7	2.5
5413 pt	Architectural and related services	5.4	4.2	3.8	5.0	2.4
54133	Engineering services	3.2	1.6	3.0	2.9	3.0
5415	Computer systems design and related services	4.0	1.8	2.6	3.9	2.9
5416	Management, scientific, and technical consulting services	4.9	1.7	2.9	5.2	2.2
5417	Scientific research and development services	10.1	1.6	2.5	10.6	2.4
5418	Advertising and related services	4.0	1.4	2.6	3.9	2.5
541 pt	Other professional, scientific, and technical services	3.9	1.7	2.1	4.0	2.2
56	Administrative and support and waste management and remediation services	2.8	1.2	1.4	2.7	1.2
56 pt	Administrative and support and waste management and remediation services (except landscape services)	3.1	1.1	1.4	3.1	1.5
561	Administrative and support services	3.3	1.4	1.2	3.0	0.8
5613	Employment services	5.6	1.3	2.1	5.6	2.2
5615	Travel arrangement and reservation services	5.1	1.7	2.6	4.5	1.4
561 pt	Other administrative and support services	3.5	1.9	1.9	3.3	1.3
562	Waste management and remediation services	7.7	1.8	4.4	7.7	5.7
62 pt	Selected health care services	2.4	0.6	0.7	2.6	0.8
622	Hospitals	3.1	0.8	0.8	3.0	0.8
623	Nursing and residential care facilities	5.5	1.0	1.7	5.5	1.3

(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 9 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 29 percent, and for NAICS 62 (Hospitals and nursing and residential care facilities) imputed revenue amounts to about 21 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.