

Table 641. Productivity and Related Measures for Selected NAICS Industries: 1987 to 2009 and 2001 to 2009

[For a discussion of productivity measures and methodology, see text, this section and BLS Handbook of Methods, <<http://www.bls.gov/opus/hom/homch11.htm>>. Minus sign (-) indicates decrease]

Industry	2007 NAICS code ¹	Average annual percent change ²							
		1987–2009 ³				2001–2009			
		Output per hour	Output	Hours	Unit labor costs	Output per hour	Output	Hours	Unit labor costs
Mining	21	0.2	-0.2	-0.4	4.8	-2.3	-0.6	1.8	8.0
Oil and gas extraction	2111	0.7	-0.5	-1.2	5.7	-3.0	-0.2	2.9	8.7
Mining, except oil and gas	212	1.8	0.2	-1.6	1.7	-0.8	-1.7	-0.9	5.0
Support activities for mining	2131	2.6	4.1	1.4	3.3	3.2	6.9	3.6	2.8
Utilities:									
Power generation and supply	2211	2.2	0.9	-1.3	1.9	-	-0.8	-0.8	4.1
Natural gas distribution	2212	2.5	1.1	-1.3	2.3	0.7	0.2	-0.5	3.1
Manufacturing:									
Food	311	1.2	1.3	0.2	1.6	1.2	0.6	-0.6	1.8
Animal slaughtering and processing	3116	1.0	2.2	1.2	1.4	2.0	1.5	-0.5	1.7
Bakeries and tortilla manufacturing	3118	0.5	0.2	-0.3	1.9	-0.3	-1.0	-0.6	1.0
Beverages and tobacco products	312	0.7	-0.7	-1.4	1.8	0.3	-2.5	-2.8	2.6
Textile mills	313	3.4	-3.3	-6.5	-	4.3	-7.8	-11.6	-0.4
Textile product mills	314	0.5	-2.2	-2.7	2.2	-1.4	-7.2	-5.9	2.8
Apparel	315	-2.3	-9.3	-7.1	3.5	-11.6	-20.3	-9.8	10.0
Leather and allied products	316	1.4	-5.5	-6.9	2.1	-2.4	-10.0	-7.9	4.0
Wood products	321	1.1	-1.2	-2.3	2.4	1.9	-4.5	-6.3	1.9
Paper and paper products	322	1.9	-0.3	-2.2	1.4	2.5	-2.1	-4.5	0.6
Converted paper products	3222	1.5	-0.1	-1.6	1.8	2.5	-1.8	-4.3	0.7
Printing and related support activities	3231	1.2	-0.6	-1.8	1.5	2.3	-2.9	-5.0	0.5
Petroleum and coal products	3241	2.6	1.0	-1.5	2.7	1.4	0.5	-0.8	4.6
Chemicals	325	1.4	0.5	-0.9	2.4	1.3	-1.0	-2.3	2.6
Pharmaceuticals and medicines	3254	0.4	2.5	2.1	3.5	-0.6	-0.6	-	5.1
Plastics and rubber products	326	1.9	0.8	-1.1	1.4	1.1	-3.3	-4.4	1.5
Plastics products	3261	1.8	1.1	-0.7	1.6	0.9	-3.2	-4.1	1.8
Nonmetallic mineral products	327	0.8	-0.5	-1.3	1.9	0.6	-3.5	-4.1	2.2
Primary metals	331	1.9	-1.2	-3.0	1.3	2.4	-3.8	-6.0	1.5
Fabricated metal products	332	1.2	0.2	-1.0	2.0	0.9	-2.4	-3.3	2.5
Architectural and structural metals	3323	0.7	0.5	-0.1	2.5	0.1	-2.5	-2.6	3.8
Machine shops and threaded products	3327	1.8	1.8	-	1.6	0.1	-1.8	-1.9	2.0
Other fabricated metal products	3329	1.3	-0.2	-1.5	1.7	2.7	-0.8	-3.5	1.3
Machinery	333	2.1	0.6	-1.5	1.0	2.1	-1.7	-3.7	1.1
Agriculture, construction, and mining machinery	3331	2.3	2.2	-0.1	0.6	2.2	2.1	-	1.0
Other general purpose machinery	3339	2.4	0.8	-1.6	1.5	3.1	-1.1	-4.1	1.4
Computer and electronic products	334	11.2	8.4	-2.5	-7.0	6.3	1.0	-5.0	-3.5
Semiconductors and electronic components	3344	15.9	13.6	-2.0	-10.9	8.2	1.3	-6.3	-5.4
Electronic instruments	3345	3.9	1.7	-2.1	0.2	4.0	2.5	-1.4	0.4
Electrical equipment and appliances	335	2.3	-0.6	-2.8	1.5	1.2	-3.7	-4.9	2.3
Transportation equipment	336	2.7	0.5	-2.1	0.2	3.5	-1.2	-4.6	0.2
Motor vehicles	3361	3.0	-0.6	-3.5	-0.2	3.6	-4.8	-8.1	-0.6
Motor vehicle parts	3363	2.7	0.6	-2.1	-0.8	2.7	-5.3	-7.8	-1.0
Aerospace products and parts	3364	2.0	-0.2	-2.1	1.1	2.0	1.6	-0.4	2.1
Furniture and related products	337	1.3	-0.8	-2.1	1.9	1.2	-4.9	-6.0	1.7
Household and institutional furniture	3371	1.2	-1.2	-2.4	2.0	0.8	-5.7	-6.4	2.0
Miscellaneous manufacturing	339	2.9	2.4	-0.4	1.5	3.1	0.7	-2.3	1.5
Medical equipment and supplies	3391	3.4	4.6	1.2	1.0	3.3	3.6	0.3	1.2
Other miscellaneous manufacturing	3399	2.1	0.4	-1.7	2.0	2.3	-2.4	-4.6	2.0
Wholesale trade	42	2.6	2.9	0.3	1.3	1.2	0.5	-0.7	1.9
Durable goods	423	4.4	4.4	-	-0.3	2.7	1.1	-1.6	-
Nondurable goods	424	1.0	1.1	0.1	3.4	0.8	-0.1	-0.9	2.7
Electronic markets and agents and brokers	4251	0.6	2.9	2.3	1.5	-4.9	-0.9	4.2	8.4
Retail trade	44–45	2.9	3.3	0.3	0.1	2.8	1.7	-1.1	-0.3
Motor vehicle and parts dealers	441	1.8	2.1	0.2	0.9	0.1	-1.6	-1.7	1.1
Automobile dealers	4411	1.8	1.9	0.1	0.9	0.2	-2.0	-2.1	0.7
Other motor vehicle dealers	4412	3.2	4.1	0.8	0.3	2.2	1.9	-0.3	-0.2
Auto parts, accessories, and tire stores	4413	1.7	2.0	0.3	1.1	0.3	-0.8	-1.1	2.7
Furniture and home furnishings stores	442	3.8	3.3	-0.5	-0.7	4.3	0.8	-3.4	-2.1
Furniture stores	4421	3.2	2.8	-0.4	-0.6	3.3	0.4	-2.8	-2.1
Home furnishings stores	4422	4.6	4.0	-0.6	-0.9	5.5	1.2	-4.1	-2.1
Electronics and appliance stores	4431	13.5	14.2	0.6	-9.0	15.4	12.8	-2.2	-12.2
Building material and garden supply stores	444	2.5	3.4	0.9	0.2	1.3	0.6	-0.7	1.3
Building material and supplies dealers	4441	2.2	3.3	1.1	0.4	0.9	0.4	-0.5	1.8
Lawn and garden equipment and supplies stores	4442	4.3	3.5	-0.7	-1.3	4.5	2.6	-1.8	-1.8
Food and beverage stores	445	0.4	0.2	-0.2	3.0	1.9	-	-1.8	1.6
Grocery stores	4451	0.2	0.1	-0.1	3.2	1.6	-0.2	-1.7	2.4
Specialty food stores	4452	0.5	-0.1	-0.5	1.7	4.5	1.8	-2.6	-3.9
Beer, wine, and liquor stores	4453	2.0	0.7	-1.3	1.5	3.8	1.8	-2.0	-2.1
Health and personal care stores	4461	2.5	3.7	1.2	1.5	2.6	3.1	0.4	1.9
Gasoline stations	4471	1.9	1.0	-0.8	1.4	1.4	-0.4	-1.7	1.0
Clothing and clothing accessories stores	448	4.7	4.1	-0.5	-1.3	4.6	3.4	-1.1	-1.5
Clothing stores	4481	5.0	4.7	-0.4	-1.6	5.4	4.2	-1.1	-1.9
Shoe stores	4482	3.4	2.3	-1.1	-0.8	2.4	1.5	-0.9	-1.0
Jewelry, luggage, and leather goods stores	4483	3.9	3.2	-0.7	-0.6	2.5	1.3	-1.2	0.4
Sporting goods, hobby, book, and music stores	451	4.1	4.2	0.1	-0.8	4.4	1.9	-2.4	-2.1
Sporting goods and musical instrument stores	4511	4.8	5.1	0.3	-1.4	5.3	4.1	-1.2	-3.1

See footnotes at end of table.

Table 641. Productivity and Related Measures for Selected NAICS Industries: 1987 to 2009 and 2001 to 2009—Con.

[For a discussion of productivity measures and methodology, see text, this section and BLS Handbook of Methods, <<http://www.bls.gov/opus/hom/homch11.htm>>. Minus sign (-) indicates decrease]

Industry	2007 NAICS code ¹	Average annual percent change ²							
		1987–2009 ³				2001–2009			
		Output per hour	Output	Hours	Unit labor costs	Output per hour	Output	Hours	Unit labor costs
Retail Trade—Con.									
Book, periodical, and music stores	4512	2.5	2.1	-0.4	0.6	2.3	-3.2	-5.4	0.4
General merchandise stores	452	3.5	5.1	1.6	-1.2	2.8	4.4	1.6	-0.8
Department stores	4521	0.7	1.7	1.0	0.7	-0.1	-1.3	-1.2	1.4
Other general merchandise stores	4529	6.7	9.0	2.2	-3.1	4.0	8.9	4.7	-0.7
Miscellaneous store retailers	453	4.0	3.8	-0.2	-1.4	4.0	0.2	-3.6	-1.6
Florists	4531	3.7	0.4	-3.2	-0.4	6.7	-1.9	-8.1	-2.2
Office supplies, stationery, and gift stores	4532	6.4	5.6	-0.8	-3.1	7.7	2.0	-5.3	-5.0
Used merchandise stores	4533	4.8	5.9	1.0	-1.9	5.2	3.4	-1.7	-2.8
Other miscellaneous store retailers	4539	1.5	2.6	1.1	-0.3	-0.3	-1.4	-1.0	1.7
Nonstore retailers	454	8.8	8.9	0.1	-4.9	9.0	7.8	-1.1	-4.5
Electronic shopping and mail-order houses	4541	11.4	15.2	3.4	-6.7	11.2	11.7	0.5	-6.3
Vending machine operators	4542	0.8	-1.9	-2.6	2.9	2.1	-3.0	-5.0	1.2
Direct selling establishments	4543	3.6	1.7	-1.8	-0.4	2.3	0.2	-2.0	1.6
Transportation and warehousing:									
Air transportation	481	2.8	2.7	-0.1	0.1	5.6	1.8	-3.6	-3.4
Line-haul railroads	482111	4.0	1.4	-2.4	-0.5	1.7	-0.2	-1.9	1.8
Truck transportation	484	0.1	1.2	1.1	1.2	-	-0.8	-0.8	0.9
General freight trucking	4841	0.8	1.8	1.0	1.4	0.2	-0.7	-0.9	1.4
Used household and office goods moving	48421	-0.5	-1.0	-0.4	2.9	1.6	-3.6	-5.1	-0.1
Postal service	4911	1.0	0.1	-0.8	3.4	0.7	-2.9	-3.5	4.2
Couriers and messengers	492	-0.4	1.6	2.0	2.6	0.4	-2.6	-3.0	0.9
Warehousing and storage	4931	2.6	5.5	2.8	-	0.2	3.4	3.1	2.1
General warehousing and storage	49311	5.0	7.9	2.8	-1.7	1.3	4.7	3.4	0.9
Refrigerated warehousing and storage	49312	-0.6	2.8	3.4	1.6	-0.2	1.9	2.0	2.7
Information:									
Publishing	511	3.7	3.6	-0.1	1.5	2.7	-1.0	-3.6	1.3
Newspaper, book, and directory publishers	5111	-0.1	-1.6	-1.5	4.4	-0.4	-4.8	-4.4	4.4
Software publishers	5112	13.9	20.9	6.2	-7.7	5.3	3.4	-1.8	-2.1
Motion picture and video exhibition	51213	1.6	2.0	0.4	1.6	2.9	-	-2.9	2.6
Broadcasting, except Internet	515	1.6	2.5	0.9	2.2	4.5	3.6	-0.9	-0.2
Radio and television broadcasting	5151	0.5	0.4	-0.1	3.2	2.4	1.2	-1.1	0.2
Cable and other subscription programming	5152	3.5	7.9	4.2	2.6	7.3	7.0	-0.3	2.7
Wired telecommunications carriers	5171	4.1	3.4	-0.7	-0.9	4.0	-1.0	-4.8	-0.1
Wireless telecommunications carriers	5172	10.2	21.8	10.5	-6.3	16.3	14.4	-1.7	-7.5
Finance and insurance:									
Commercial banking	52211	3.6	3.5	-0.1	2.0	2.4	2.8	0.4	3.4
Real estate and rental and leasing:									
Passenger car rental	532111	1.8	2.2	0.4	2.5	2.5	-1.8	-4.3	1.3
Truck, trailer, and RV rental and leasing	53212	2.9	2.1	-0.8	0.9	-	-2.2	-2.2	3.6
Video tape and disc rental	53223	4.3	3.2	-1.0	-0.9	4.7	-4.3	-8.7	-0.1
Professional and technical services:									
Tax preparation services	541213	0.4	2.9	2.5	1.3	-0.5	0.6	1.2	4.4
Architectural services	54131	1.3	2.6	1.2	2.0	1.0	-0.4	-1.5	1.6
Engineering services	54133	1.2	3.0	1.8	3.3	2.0	2.6	0.6	2.6
Advertising agencies	54181	1.8	2.0	0.1	2.4	3.7	3.0	-0.7	-2.1
Photography studios, portrait	541921	-0.2	2.0	2.2	2.2	-1.0	0.2	1.2	1.0
Administrative and waste services:									
Employment placement agencies	561311	6.8	6.9	0.1	-1.5	11.5	6.5	-4.5	-8.0
Travel agencies	56151	5.5	3.6	-1.8	-0.6	12.2	5.0	-6.4	-7.9
Janitorial services	56172	1.9	3.6	1.7	1.9	1.3	1.9	0.6	1.3
Health care and social assistance:									
Medical and diagnostic laboratories	6215	3.7	6.7	2.8	-0.6	1.9	4.9	2.9	1.2
Arts, entertainment, and recreation:									
Amusement and theme parks	71311	-0.3	2.5	2.7	3.5	1.6	0.8	-0.8	1.9
Bowling centers	71395	0.2	-1.8	-2.0	3.0	2.0	-1.0	-2.9	1.9
Accommodation and food services:									
Accommodation	72	0.8	2.1	1.2	2.9	0.8	1.3	0.6	2.1
Traveler accommodation	721	1.5	2.3	0.8	2.2	1.3	0.8	-0.5	0.8
Food services and drinking places	7211	1.6	2.4	0.8	2.2	1.3	0.8	-0.5	0.9
Full-service restaurants	722	0.6	2.0	1.4	3.1	0.7	1.5	0.8	2.5
Limited-service eating places	7221	0.6	2.0	1.4	3.9	0.2	1.1	0.9	3.2
Special food services	7223	1.4	2.4	0.9	1.1	0.8	1.5	0.6	2.0
Drinking places, alcoholic beverages	7224	-0.4	-0.8	-0.4	3.0	3.2	-0.5	-3.6	0.8
Other services:									
Automotive repair and maintenance	8111	0.7	1.1	0.4	2.6	-1.0	-2.6	-1.6	3.9
Reupholstery and furniture repair	81142	-0.7	-3.2	-2.4	3.6	-2.0	-7.0	-5.1	4.9
Hair, nail, and skin care services	81211	1.9	2.9	0.9	2.3	1.3	2.3	1.0	2.4
Funeral homes and funeral services	81221	-0.6	-0.5	-	4.5	-0.1	-2.7	-2.7	3.9
Drycleaning and laundry services	8123	1.3	0.4	-0.9	2.3	1.9	-1.0	-2.8	1.9
Photofinishing	81292	1.5	-5.0	-6.4	2.1	6.3	-7.9	-13.3	-3.4

- Represents or rounds to zero. ¹ North American Industry Classification System, 2007 (NAICS); see text, section 15.

² Average annual percent changes based on compound rate formula. Rates of change are calculated using index numbers to three decimal places. ³ For NAICS industries 484, 4841, 4931, 49311, and 49312, annual percent changes are for 1992–2009, and for NAICS industries 561311, 6215, annual percent changes are for 1994–2009.

Source: U.S. Bureau of Labor Statistics, Labor Productivity and Costs, <<http://www.bls.gov/lpc/data.htm>>, accessed May 2011.