

Table 640. Productivity and Related Measures for Selected NAICS Industries: 1987 to 2008 and 2001 to 2008

[For a discussion of productivity measures and methodology, see text, this section and BLS Handbook of Methods, <http://www.bls.gov/pub/hom/homch11_a.htm>. Minus sign (-) indicates decrease]

Industry	2007 NAICS code ¹	Average annual percent change ²							
		1987–2008 ³				2001–2008			
		Output per hour	Output Hours	Unit labor costs	Output per hour	Output Hours	Unit labor costs	Output per hour	Unit labor costs
Mining	21	-0.4	-0.2	0.2	5.7	-4.4	-0.7	3.9	11.1
Oil and gas extraction	2111	0.5	-0.8	-1.3	6.5	-4.2	-0.9	3.5	11.7
Mining, except oil and gas	212	2.0	0.8	-1.1	1.4	-0.7	-	0.7	4.8
Support activities for mining	2131	3.1	5.6	2.4	3.2	4.9	12.2	7.0	2.3
Utilities:									
Power generation and supply	2211	2.4	1.1	-1.3	1.6	0.3	-0.4	-0.7	3.5
Natural gas distribution	2212	2.8	1.3	-1.5	2.0	1.3	0.5	-0.8	2.3
Manufacturing:									
Food	311	1.1	1.4	0.3	1.7	0.9	0.6	-0.2	2.1
Animal slaughtering and processing	3116	0.9	2.3	1.4	1.5	1.8	1.6	-0.2	2.0
Bakeries and tortilla manufacturing	3118	0.4	0.3	-0.2	2.1	-0.7	-0.9	-0.2	1.5
Beverages and tobacco products	312	0.6	-0.3	-0.9	1.9	-0.1	-1.7	-1.5	3.2
Textile mills	313	3.5	-2.6	-5.9	-	4.8	-6.3	-10.6	-0.3
Textile product mills	314	0.8	-1.1	-1.9	2.0	-0.1	-4.6	-4.5	2.2
Apparel	315	-1.3	-8.1	-6.9	3.1	-10.1	-18.6	-9.4	9.6
Leather and allied products	316	2.2	-4.5	-6.6	1.8	-0.5	-7.7	-7.2	3.1
Wood products	321	1.3	0.1	-1.3	2.5	2.6	-1.3	-3.8	2.1
Other wood products	3219	1.1	0.1	-1.0	3.0	3.1	-0.4	-3.4	2.0
Paper and paper products	322	2.0	0.2	-1.7	1.3	2.7	-0.9	-3.5	0.3
Converted paper products	3222	1.5	0.5	-1.0	1.9	2.6	-0.4	-3.0	0.7
Printing and related support activities	3231	1.5	0.1	-1.3	1.6	3.3	-1.0	-4.1	0.5
Petroleum and coal products	3241	2.6	1.2	-1.3	2.7	1.2	1.0	-0.2	4.8
Chemicals	325	1.8	1.0	-0.7	2.3	2.4	0.5	-1.8	2.1
Pharmaceuticals and medicines	3254	0.7	3.0	2.4	3.4	0.1	0.4	0.3	5.2
Plastics and rubber products	326	2.0	1.7	-0.3	1.3	1.4	-1.2	-2.6	1.2
Plastics products	3261	1.9	2.0	0.1	1.4	1.1	-1.1	-2.2	1.5
Nonmetallic mineral products	327	1.2	0.7	-0.5	1.8	1.7	-0.4	-2.1	1.7
Primary metals	331	2.6	0.5	-2.1	0.7	4.8	0.8	-3.8	-0.4
Fabricated metal products	332	1.6	1.5	-0.2	1.6	2.2	1.0	-1.2	1.7
Architectural and structural metals	3323	1.1	1.8	0.7	2.3	1.5	1.0	-0.5	3.3
Machine shops and threaded products	3327	2.5	3.3	0.8	1.3	2.0	2.3	0.3	1.0
Other fabricated metal products	3329	1.7	0.9	-0.8	1.2	4.3	2.5	-1.7	-0.3
Machinery	333	2.5	1.9	-0.6	0.6	3.4	1.8	-1.6	-0.3
Agriculture, construction, and mining machinery	3331	3.0	3.6	0.6	-0.1	4.3	6.5	2.1	0.9
Other general purpose machinery	3339	2.6	1.9	-0.7	1.1	3.9	1.8	-2.0	0.3
Computer and electronic products	334	12.2	9.8	-2.2	-7.7	8.5	3.9	-4.3	-5.1
Semiconductors and electronic components	3344	16.8	15.2	-1.4	-11.2	9.8	4.0	-5.2	-5.6
Electronic instruments	3345	4.4	2.5	-1.8	-0.3	5.5	4.9	-0.6	-1.2
Electrical equipment and appliances	335	2.7	0.5	-2.1	1.1	2.3	-1.0	-3.2	1.2
Transportation equipment	336	2.9	1.4	-1.4	-0.2	4.2	1.4	-2.7	-0.9
Motor vehicles	3361	3.4	1.2	-2.2	-0.3	5.0	-0.3	-5.0	-1.0
Motor vehicle parts	3363	2.9	2.0	-0.8	-0.8	3.1	-2.1	-5.0	-1.2
Aerospace products and parts	3364	1.7	-0.5	-2.1	1.2	1.0	0.9	-0.1	2.5
Furniture and related products	337	1.9	0.6	-1.2	1.7	2.9	-1.3	-4.1	1.2
Household and institutional furniture	3371	1.8	0.3	-1.5	1.9	2.6	-1.8	-4.3	1.5
Miscellaneous manufacturing	339	3.0	3.0	0.0	1.4	3.5	2.1	-1.4	1.4
Medical equipment and supplies	3391	3.6	5.0	1.3	0.9	3.8	4.4	0.6	1.1
Other miscellaneous manufacturing	3399	2.2	1.3	-0.9	1.9	2.7	-0.3	-2.9	1.8
Wholesale trade	42	3.0	3.7	0.7	1.1	2.1	2.4	0.3	1.3
Durable goods	423	4.9	5.4	0.5	-0.6	4.1	3.7	-0.4	-0.9
Nondurable goods	424	0.9	1.3	0.4	3.5	0.7	0.5	-0.2	2.9
Electronic markets and agents and brokers	4251	2.0	4.7	2.6	0.2	-1.8	3.6	5.5	5.5
Retail trade	44–45	3.0	3.7	0.6	0.1	3.0	2.7	-0.4	-0.3
Motor vehicle and parts dealers	441	2.0	2.8	0.8	0.9	0.4	0.1	-0.3	1.2
Automobile dealers	4411	1.8	2.7	0.8	1.1	0.1	-0.4	-0.4	1.0
Other motor vehicle dealers	4412	3.3	5.3	2.0	0.3	2.4	5.4	3.0	-0.4
Auto parts, accessories, and tire stores	4413	2.0	2.6	0.5	0.8	1.1	0.3	-0.7	2.1
Furniture and home furnishings stores	442	3.8	4.3	0.4	-0.8	4.5	3.2	-1.2	-2.4
Furniture stores	4421	3.3	3.7	0.4	-0.6	3.5	2.7	-0.8	-2.3
Home furnishings stores	4422	4.6	5.1	0.5	-1.0	5.5	3.9	-1.6	-2.6
Electronics and appliance stores	4431	13.5	15.0	1.3	-8.9	15.6	14.9	-0.6	-12.6
Building material and garden supply stores	444	3.0	4.4	1.3	-0.3	2.9	3.3	0.5	0.1
Building material and supplies dealers	4441	2.7	4.4	1.6	-	2.2	2.9	0.7	0.7
Lawn and garden equipment and supplies stores	4442	5.2	4.7	-0.5	-2.0	7.3	6.0	-1.2	-3.9
Food and beverage stores	445	0.4	0.3	-0.1	3.0	2.3	0.6	-1.6	1.5
Grocery stores	4451	0.3	0.3	-	3.2	2.0	0.4	-1.6	2.2
Specialty food stores	4452	-0.1	-0.4	-0.3	2.6	3.3	0.9	-2.3	-2.2
Beer, wine, and liquor stores	4453	2.2	1.0	-1.2	1.6	4.7	2.8	-1.8	-2.3
Health and personal care stores	4461	2.4	3.8	1.4	1.5	2.5	3.5	0.9	1.9
Gasoline stations	4471	2.0	1.2	-0.7	1.3	1.6	-	-1.6	0.8
Clothing and clothing accessories stores	448	4.9	4.5	-0.3	-1.3	5.1	4.6	-0.5	-1.4
Clothing stores	4481	5.2	5.2	-0.1	-1.6	6.0	5.6	-0.4	-1.9
Shoe stores	4482	3.7	2.6	-1.1	-0.8	3.4	2.4	-1.0	-1.1
Jewelry, luggage, and leather goods stores	4483	3.9	3.5	-0.4	-0.4	2.2	1.8	-0.4	1.1

See footnotes at end of table.

Table 640. Productivity and Related Measures for Selected NAICS Industries: 1987 to 2008 and 2001 to 2008—Con.

[For a discussion of productivity measures and methodology, see text, this section and BLS Handbook of Methods, <http://www.bls.gov/pub/hom/homch11_a.htm>. Minus sign (–) indicates decrease]

Industry	2007 NAICS code ¹	Average annual percent change ²							
		1987–2008 ³				2001–2008			
		Output per hour	Output	Hours	Unit labor costs	Output per hour	Output	Hours	Unit labor costs
Retail Trade—Con.									
Sporting goods, hobby, book, and music stores . . .	451	4.1	4.7	0.6	–0.8	4.5	3.1	–1.3	–2.3
Sporting goods and musical instrument stores . . .	4511	4.7	5.5	0.7	–1.3	5.3	5.1	–0.2	–3.2
Book, periodical, and music stores	4512	–2.6	2.9	0.3	0.3	2.7	–1.6	–4.2	–0.5
General merchandise stores	452	3.4	5.3	1.8	–1.2	–2.6	4.9	2.3	–0.8
Department stores	4521	0.6	2.1	1.4	0.6	–0.6	–0.9	–0.3	1.2
Other general merchandise stores	4529	6.9	9.2	2.2	–3.2	4.2	9.6	5.2	–0.7
Miscellaneous store retailers	453	4.5	4.6	0.1	–1.9	5.4	2.0	–3.2	–3.1
Florists	4531	3.5	1.0	–2.5	–0.3	6.5	–0.5	–6.6	–2.2
Office supplies, stationery, and gift stores	4532	6.0	5.8	–0.2	–2.8	6.7	2.0	–4.4	–4.4
Used merchandise stores	4533	5.8	6.6	0.7	–2.9	8.2	5.0	–2.9	–5.8
Other miscellaneous store retailers	4539	2.5	3.9	1.3	–1.3	2.4	1.8	–0.6	–0.9
Nonstore retailers	454	8.5	8.7	0.2	–4.5	8.1	7.1	–0.9	–3.2
Electronic shopping and mail-order houses	4541	11.2	15.2	3.6	–6.4	10.6	11.2	0.6	–5.1
Vending machine operators	4542	2.1	–0.7	–2.7	2.2	6.3	0.5	–5.4	–0.9
Direct selling establishments	4543	3.1	1.5	–1.6	–	0.7	–0.7	–1.4	3.1
Transportation and warehousing:									
Air transportation	481	2.9	3.1	0.2	–0.2	6.4	3.0	–3.2	–4.7
General freight trucking	4841	1.3	2.5	1.1	1.4	1.1	1.6	0.5	1.1
Used household and office goods moving	48421	–0.6	–0.2	0.4	2.7	1.6	–1.7	–3.3	–1.1
Postal service	4911	0.9	0.7	–0.2	3.3	0.6	–1.6	–2.1	4.1
Couriers and messengers	492	–0.2	2.2	2.4	2.5	1.1	–1.4	–2.6	0.5
Warehousing and storage	4931	2.7	6.1	3.4	–0.1	0.2	4.6	4.4	2.3
Information:									
Publishing	511	3.8	4.1	0.3	1.5	2.6	–0.2	–2.8	1.4
Newspaper, book, and directory publishers	5111	–	–1.0	–1.0	4.4	–0.1	–3.3	–3.1	4.3
Software publishers	5112	14.4	21.9	6.5	–7.9	5.6	3.6	–1.9	–2.0
Motion picture and video exhibition	51213	1.2	1.9	0.7	1.7	2.0	–0.5	–2.5	3.2
Broadcasting, except Internet	515	1.6	2.7	1.1	2.2	4.9	4.3	–0.5	–0.5
Radio and television broadcasting	5151	0.4	0.6	0.1	3.4	2.6	1.9	–0.7	0.5
Cable and other subscription programming	5152	3.6	8.3	4.5	2.0	8.2	8.1	–0.1	0.8
Wired telecommunications carriers	5171	4.4	3.8	–0.5	–0.9	4.7	–0.4	–4.8	–
Wireless telecommunications carriers	5172	9.5	22.4	11.9	–5.6	14.8	15.3	0.4	–5.5
Finance and insurance:									
Commercial banking	52211	3.5	3.5	–	1.9	1.8	2.7	0.9	3.1
Real estate and rental and leasing:									
Passenger car rental	532111	1.8	2.9	1.1	2.8	2.7	–0.4	–3.0	1.8
Truck, trailer, and RV rental and leasing	53212	3.7	2.9	–0.8	0.6	2.0	–0.4	–2.3	2.9
Video tape and disc rental	53223	4.2	4.4	0.2	–1.3	4.7	–2.1	–6.5	–1.3
Professional and technical services:									
Tax preparation services	541213	0.7	3.3	2.6	1.3	0.3	1.5	1.1	5.0
Architectural services	54131	1.5	3.9	2.3	2.1	1.6	3.0	1.4	1.7
Engineering services	54133	1.8	4.0	2.2	2.7	4.0	5.7	1.7	0.6
Advertising agencies	54181	2.0	2.4	0.4	2.5	4.4	4.4	–	–2.3
Photography studios, portrait	541921	0.1	2.3	2.2	2.3	–0.3	0.9	1.2	1.3
Administrative and waste services:									
Employment placement agencies	561311	7.6	8.9	1.2	–1.5	13.8	10.4	–3.0	–8.8
Travel agencies	56151	6.2	5.1	–1.0	–1.0	15.5	9.9	–4.9	–9.9
Janitorial services	56172	2.2	4.2	2.0	1.7	2.1	3.4	1.3	0.6
Health care and social assistance:									
Medical and diagnostic laboratories	6215	4.3	7.4	3.0	–1.2	2.8	6.0	3.1	0.2
Medical laboratories	621511	3.6	6.1	2.4	–0.7	2.4	4.7	2.2	1.0
Diagnostic imaging centers	621512	5.0	9.4	4.2	–1.5	2.6	8.1	5.3	–0.6
Arts, entertainment, and recreation:									
Amusement and theme parks	71311	0.1	3.0	2.9	3.5	2.9	2.0	–0.9	1.8
Bowling centers	71395	0.4	–1.5	–1.9	2.8	2.9	0.1	–2.7	1.2
Accommodation and food services									
Accommodation	72	0.9	2.4	1.5	3.0	1.0	2.3	1.3	2.1
Traveler accommodation	721	1.7	2.9	1.2	2.4	1.7	2.2	0.5	0.9
Traveler accommodation	7211	1.7	2.9	1.2	2.3	1.7	2.2	0.5	0.9
Food services and drinking places	722	0.6	2.3	1.6	3.2	0.8	2.3	1.5	2.6
Full-service restaurants	7221	0.6	2.3	1.7	4.0	0.2	1.8	1.6	3.4
Limited-service eating places	7222	0.6	2.5	1.8	2.8	1.0	2.9	1.9	1.9
Special food services	7223	1.7	2.9	1.1	1.2	1.6	2.8	1.1	2.3
Drinking places, alcoholic beverages	7224	–0.4	–0.6	–0.1	2.9	3.5	0.2	–3.2	0.2
Other services:									
Automotive repair and maintenance	8111	1.0	1.6	0.6	2.4	–0.4	–1.5	–1.1	3.5
Reupholstery and furniture repair	81142	–0.2	–2.0	–1.8	3.2	–0.5	–4.1	–3.6	3.9
Hair, nail, and skin care services	81211	2.3	3.1	0.8	2.1	2.4	3.1	0.7	1.8
Funeral homes and funeral services	81221	–0.5	–0.2	0.4	4.5	0.1	–2.0	–2.1	3.9
Drycleaning and laundry services	8123	0.9	0.6	–0.3	2.5	0.9	–0.5	–1.4	2.5
Photofinishing	81292	0.7	–4.8	–5.4	2.6	4.5	–7.7	–11.6	–2.7

– Represents zero or rounds to less than half the unit of measurement shown. 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 4931, 49311, and 49312, annual percent changes are for 1992–2008, and for NAICS industries 4841, 561311, 6215, and 621512, annual percent changes are for 1994–2008.

Source: U.S. Bureau of Labor Statistics, Labor Productivity and Costs, <<http://www.bls.gov/lpc/data.htm>>, accessed July 2010. **Labor Force, Employment, and Earnings 417**