

Table 621. Annual Indexes of Output Per Hour for Selected NAICS Industries: 1987 to 2005

[For a discussion of productivity measures, see text, this section. Minus sign (-) indicates decrease]

Industry	2002 NAICS code	Indexes (1997 = 100)						Average annual percent change ²
		1987	1990	1995	2000	2004	2005	
Mining	21	85.5	85.1	101.7	111.0	106.7	95.9	0.6
Oil and gas extraction	211	80.1	75.7	95.3	119.4	111.7	107.9	1.7
Mining, except oil and gas.	212	69.8	79.3	94.0	106.3	115.7	113.5	2.7
Utilities:								
Power generation and supply	2211	65.6	71.1	88.5	107.0	107.5	114.2	3.1
Natural gas distribution	2212	67.8	71.4	89.0	113.2	118.3	123.5	3.4
Manufacturing:								
Fruit and vegetable preserving and specialty	3114	92.4	87.6	98.3	111.8	126.2	132.1	2.0
Dairy products	3115	82.7	91.1	97.6	95.9	107.4	109.5	1.6
Animal slaughtering and processing	3116	97.4	94.3	99.0	102.6	108.0	117.4	1.0
Bakeries and tortilla manufacturing	3118	100.9	94.5	100.7	108.3	113.8	115.4	0.7
Other food products	3119	97.5	92.5	104.1	112.6	119.3	115.4	0.9
Beverages	3121	77.1	87.6	103.2	90.8	114.1	119.4	2.5
Fabric mills	3132	68.0	75.3	95.5	110.1	138.6	150.5	4.5
Cut and sew apparel	3152	69.8	70.1	85.2	119.8	108.4	113.1	2.7
Sawmills and wood preservation	3211	77.6	79.4	90.4	105.4	118.2	127.9	2.8
Plywood and engineered wood products	3212	99.7	102.8	101.4	98.8	102.9	110.3	0.6
Other wood products	3219	103.0	105.3	99.8	103.0	119.6	125.8	1.1
Pulp, paper, and paperboard mills	3221	81.7	84.0	98.4	116.3	148.0	148.9	3.4
Converted paper products	3222	89.0	90.1	97.2	101.1	112.9	115.3	1.4
Printing and related support activities	3231	97.6	97.5	98.9	104.6	114.5	119.7	1.1
Petroleum and coal products	3241	71.1	75.4	89.9	113.5	123.4	123.8	3.1
Basic chemicals	3251	94.6	93.4	91.3	117.5	154.4	163.1	3.1
Resin, rubber, and artificial fibers	3252	77.4	76.4	95.4	109.8	121.9	127.8	-2.8
Pharmaceuticals and medicines	3254	87.3	91.3	95.9	95.6	104.1	107.8	1.2
Soap, cleaning compounds, and toiletries	3256	84.4	84.8	96.1	102.8	135.3	152.6	3.3
Other chemical products and preparations	3259	75.4	77.8	93.5	119.7	121.3	123.5	2.8
Plastics products	3261	83.1	85.2	94.5	112.3	131.9	135.6	2.8
Rubber products	3262	75.5	83.5	92.9	101.7	114.4	119.3	2.6
Glass and glass products	3272	82.3	79.1	87.5	108.2	113.9	122.7	2.2
Cement and concrete products	3273	93.6	96.6	99.7	101.6	102.8	105.5	0.7
Foundries	3315	81.4	86.5	93.1	103.6	123.9	128.0	2.5
Forging and stamping	3321	85.4	89.0	93.9	121.1	142.0	146.7	3.0
Architectural and structural metals	3323	88.7	87.9	93.3	100.7	105.4	108.1	1.1
Machine shops and threaded products	3327	76.9	79.2	98.3	108.2	114.6	115.3	2.3
Coating, engraving, and heat treating metals	3328	75.5	81.3	102.2	105.5	125.3	136.0	3.3
Other fabricated metal products	3329	91.0	86.5	96.3	99.9	111.2	112.6	1.2
Agriculture, construction, and mining machinery	3331	74.6	83.3	95.4	100.3	125.4	130.8	3.2
Industrial machinery	3332	75.1	81.6	97.1	130.0	126.5	121.9	2.7
Commercial and service industry machinery	3333	86.9	95.6	103.6	100.9	106.4	113.4	1.5
HVAC and commercial refrigeration equipment	3334	84.0	90.6	96.4	107.9	132.8	137.7	2.8
Metalworking machinery	3335	85.1	86.5	99.2	106.1	117.1	126.6	2.2
Other general purpose machinery	3339	83.5	86.8	94.0	113.7	127.1	137.2	2.8
Computer and peripheral equipment	3341	11.0	14.7	49.9	234.9	416.6	576.5	24.6
Communications equipment	3342	39.8	48.4	74.4	164.1	148.4	144.4	7.4
Semiconductors and electronic components	3344	17.0	21.9	63.8	232.4	361.1	386.6	19.0
Electronic instruments	3345	70.2	78.5	97.9	116.7	145.4	139.8	3.9
Electrical equipment	3353	68.7	73.6	98.0	99.4	110.8	116.7	3.0
Other electrical equipment and components	3359	78.8	76.1	92.0	119.7	115.6	121.7	2.4
Motor vehicles	3361	75.4	85.6	88.5	109.7	142.1	147.0	3.8
Motor vehicle bodies and trailers	3362	85.0	75.9	97.4	98.8	110.7	114.2	1.7
Motor vehicle parts	3363	78.7	76.0	92.3	112.3	138.0	144.4	3.4
Aerospace products and parts	3364	87.2	89.1	95.7	103.4	113.0	125.8	2.1
Ship and boat building	3366	95.5	99.6	93.1	121.9	138.7	133.2	1.9
Household and institutional furniture	3371	85.2	88.2	97.2	101.9	113.6	121.3	2.0
Office furniture and fixtures	3372	85.8	82.2	84.9	100.2	131.1	136.7	2.6
Medical equipment and supplies	3391	76.3	82.9	96.6	114.6	137.5	148.2	3.8
Other miscellaneous manufacturing	3399	85.4	90.5	95.9	113.6	128.6	139.0	2.7
Wholesale trade	42	73.2	79.8	94.0	116.2	134.7	135.5	3.5
Durable goods	423	62.3	67.5	90.1	124.6	159.8	164.8	5.5
Nondurable goods	424	91.0	98.9	98.5	105.1	113.5	114.2	1.3
Electronic markets and agents and brokers	425	64.3	74.3	95.4	119.3	107.4	98.1	2.4
Retail trade	44-45	79.1	81.4	94.0	116.1	138.0	142.7	3.3
Motor vehicle and parts dealers	441	78.3	82.7	95.5	114.3	127.4	128.0	2.8
Automobile dealers	4411	79.2	84.1	95.8	113.7	124.7	123.4	2.5
Other motor vehicle dealers	4412	70.6	69.7	88.3	115.3	142.8	150.5	4.3
Auto parts, accessories, and tire stores	4413	71.8	79.0	95.2	108.4	110.3	118.6	2.8
Furniture and home furnishings stores	442	75.1	79.0	93.7	115.9	147.0	149.4	3.9
Furniture stores	4421	77.3	84.8	93.6	112.0	139.4	138.4	3.3
Home furnishings stores	4422	71.3	71.0	93.3	121.0	157.1	163.8	4.7
Electronics and appliance stores	443	38.0	47.7	87.8	173.7	334.7	365.1	13.4
Building material and garden supply stores	444	75.8	79.5	91.9	113.3	134.6	135.1	3.3
Building material and supplies dealers	4441	77.6	81.6	93.4	115.1	134.0	134.6	3.1
Lawn and garden equipment and supplies stores	4442	66.9	69.0	83.9	103.1	140.2	139.4	4.2
Food and beverage stores	445	110.9	107.5	102.3	101.1	113.1	119.1	0.4
Grocery stores	4451	111.1	106.9	102.7	101.1	112.3	117.3	0.3
Specialty food stores	4452	138.5	127.2	102.9	98.5	121.1	137.4	(Z)
Beer, wine and liquor stores	4453	94.7	98.7	95.4	107.0	129.9	147.6	2.5

See footnotes at end of table.

Table 621. Annual Indexes of Output Per Hour for Selected NAICS Industries: 1987 to 2005—Con.

[For a discussion of productivity measures, see text, this section. Minus sign (-) indicates decrease]

Industry	2002 NAICS code ¹	Indexes (1997 = 100)						Average annual percent change ²
		1987	1990	1995	2000	2004	2005	
Retail trade—Con.								
Health and personal care stores	446	84.0	91.0	91.4	112.2	134.0	132.8	2.6
Gasoline stations	447	83.9	84.2	99.4	107.7	122.3	129.5	2.4
Clothing and clothing accessories stores	448	66.3	69.8	92.7	123.5	139.2	147.5	4.5
Clothing stores	4481	67.1	70.0	91.7	125.0	141.0	153.7	4.7
Shoe stores	4482	65.3	70.8	96.4	110.0	124.9	129.4	3.9
Jewelry, luggage, and leather goods stores	4483	64.5	68.1	94.1	130.5	144.5	137.2	4.3
Sporting goods, hobby, book, and music stores	451	74.4	82.1	95.0	121.1	151.1	164.2	4.5
Sporting goods and musical instrument stores	4511	70.5	79.5	94.7	127.8	160.1	172.8	5.1
Book, periodical, and music stores	4512	84.3	87.9	95.4	108.7	134.8	149.3	3.2
General merchandise stores	452	73.5	75.1	92.0	120.2	140.7	146.1	3.9
Department stores	4521	87.2	83.9	96.0	106.2	109.0	109.6	1.3
Other general merchandise stores	4529	54.8	61.2	87.2	147.3	192.9	203.5	7.6
Miscellaneous store retailers	453	65.1	69.5	88.8	114.1	131.2	142.0	4.4
Florists	4531	77.6	73.3	82.4	115.2	103.0	127.5	2.8
Office supplies, stationery, and gift stores	4532	61.4	66.4	91.7	127.3	173.0	182.6	6.2
Used merchandise stores	4533	64.5	70.4	85.9	116.5	155.7	168.1	5.5
Other miscellaneous store retailers	4539	68.3	75.0	88.9	104.4	97.2	104.3	2.4
Nonstore retailers	454	50.7	54.7	79.8	152.2	216.1	222.3	8.6
Electronic shopping and mail-order houses	4541	39.4	43.4	72.5	160.2	272.8	284.2	11.6
Vending machine operators	4542	95.5	95.1	86.4	111.1	110.4	112.7	0.9
Direct selling establishments	4543	70.8	74.1	93.2	122.5	131.8	128.7	3.4
Transportation and warehousing:								
Air transportation	481	81.1	77.5	95.3	98.1	126.0	135.7	2.9
Line-haul railroads	482111	58.9	69.8	92.0	114.3	146.4	138.5	4.9
General freight trucking, long-distance	48412	85.7	89.2	95.8	101.9	110.7	112.6	1.5
Used household and office goods moving	48421	106.7	112.6	101.4	94.8	88.7	88.5	-1.0
Postal service	491	90.9	94.2	97.7	105.5	110.0	111.2	1.1
Couriers and messengers	492	148.3	138.5	101.5	121.9	126.9	124.7	-1.0
Information:								
Newspaper, book, and directory publishers	5111	105.0	95.5	91.9	107.7	106.7	108.4	0.2
Software publishers	5112	10.2	28.5	73.4	119.2	160.7	171.0	17.0
Motion picture and video exhibition	51213	90.7	109.2	99.4	106.5	103.8	102.7	0.7
Broadcasting, except Internet	515	99.5	98.2	102.5	103.6	112.5	117.6	0.9
Radio and television broadcasting	5151	98.1	97.7	104.8	92.1	96.6	101.5	0.2
Cable and other subscription programming	5152	105.6	100.3	92.8	141.2	158.6	162.4	2.4
Wired telecommunications carriers	5171	56.9	66.0	87.6	122.7	133.9	140.2	5.1
Wireless telecommunications carriers	5172	75.6	70.4	90.0	152.8	292.0	392.4	9.6
Cable and other program distribution	5175	105.2	100.0	92.6	91.6	113.7	110.4	0.3
Finance and insurance:								
Commercial banking	52211	72.8	80.7	95.6	102.7	108.5	108.4	2.2
Real estate and rental and leasing:								
Passenger car rental	532111	92.7	90.8	100.7	112.3	118.3	110.5	1.0
Truck, trailer, and RV rental and leasing	53212	60.4	68.6	88.8	121.1	135.7	145.5	5.0
Video tape and disc rental	53223	77.0	97.1	119.5	134.9	154.5	155.6	4.0
Professional and technical services:								
Tax preparation services	541213	82.9	76.2	90.6	100.9	100.0	106.9	1.4
Architectural services	54131	90.0	93.8	106.5	107.6	118.3	123.9	1.8
Engineering services	54133	90.2	99.4	94.4	102.0	107.8	114.2	1.3
Advertising agencies	54181	95.9	107.9	102.5	107.5	133.0	131.2	1.8
Photography studios, portrait	541921	98.1	95.9	107.3	108.9	93.2	93.6	-0.3
Administrative and waste services:								
Employment placement agencies	56131	(NA)	(NA)	86.6	89.8	119.8	117.9	3.1
Travel agencies	56151	89.3	94.6	93.0	119.4	167.4	188.2	4.2
Janitorial services	56172	75.1	94.3	90.4	101.0	116.6	122.0	2.7
Health care and social assistance:								
Medical and diagnostic laboratories	6215	(NA)	(NA)	90.9	131.9	140.8	138.8	4.3
Medical laboratories	621511	(NA)	(NA)	91.3	127.4	130.7	127.1	3.4
Diagnostic imaging centers	621512	(NA)	(NA)	90.0	139.9	153.5	154.8	5.6
Arts, entertainment, and recreation:								
Amusement and theme parks	71311	112.0	112.5	96.3	106.0	101.4	110.0	-0.1
Bowling centers	71395	106.0	94.0	92.1	93.4	107.9	106.1	(2)
Accommodation and food services:								
Traveler accommodations	7211	85.2	82.1	97.7	111.7	120.8	115.8	1.7
Food services and drinking places	722	96.0	102.4	100.3	103.5	107.1	108.8	0.7
Full-service restaurants	7221	92.1	99.4	96.2	103.0	104.9	107.5	0.9
Limited-service eating places	7222	96.5	103.6	104.1	102.0	106.9	106.8	0.6
Special food services	7223	89.9	99.8	100.8	115.0	118.8	122.8	1.8
Drinking places, alcoholic beverages	7224	136.7	123.3	104.6	100.6	112.6	119.7	-0.7
Other services:								
Automotive repair and maintenance	8111	85.9	89.9	103.2	109.4	112.0	112.5	1.5
Hair, nail, and skin care services	81211	83.5	82.1	93.4	108.2	125.0	130.4	2.5
Funeral homes and funeral services	81221	103.7	98.4	102.4	94.8	92.9	93.2	-0.6
Drycleaning and laundry services	8123	97.1	94.8	99.2	107.6	110.6	120.8	1.2
Photofinishing	81292	95.8	107.7	108.0	73.8	102.0	113.2	0.9

NA Not available. Z Less than 0.05 percent. ¹ North American Industry Classification System, 2002 (NAICS); see text, this section. ² Average annual percent change, 1987 to 2005, based on compound rate formula. For NAICS industries 56131, 6215, 621511, and 621512 annual percent changes are for 1995–2005. The rates of change are calculated using index numbers to three decimal places.