Change in employment by occupation, industry, and earnings quartile, 2000–05

An examination of employment changes in occupations and industries by earnings quartiles provides new insight into distinguishing between higher paying "good" jobs and lower paying "bad" jobs

By Randy E. Ilg

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he aftermaths of the last two recessions were marked by at least two similaritiesthe anemic pace of job growth and dissension among data users and policy makers alike regarding the quality of jobs that were being created once the labor market began to expand. From mid- to late-2004, a number of articles on the quality of jobs surfaced. These reports usually associated a particular industry or occupational category with their respective relative earnings (either the mean or median earnings figure) as the criteria for distinguishing between "good jobs" and "bad jobs." Many of the articles cited employment and earnings data produced by the Bureau of Labor Statistics (BLS). Most of the attempts to measure the quality of new jobs focused on changes in industry employment, as measured by the Current Employment Statistics survey (CES or establishment survey) or on occupational data from the Current Population Survey (CPS or household survey).

This article approaches the subject from the perspective of how the composition of industry or occupational employment changed across the earnings spectrum. Determining where employment growth (or decline) occurred in the earnings distribution adds another dimension to the analysis of the nature of job growth. Many industries and occupations possess extensive earnings distributions, and assessments that base the "quality of jobs" in a particular industry or occupation on a single earnings figure (either mean or median) are somewhat problematic. For example, the median weekly earnings figures for construction and manufacturing workers have been consistently higher than the median wage for all wage and salary workers. Based on a single earnings estimate (the median earnings figure for the particular industry) and given the labor market developments over the past few years in these industries, it would not be unreasonable to assume that jobs paying more than the overall median wage were created in construction and lost in manufacturing.

An examination of CPS employment data from 2000–2005 by earnings quartiles, however, indicates that most of the employment growth in construction occurred in jobs that paid less than the median weekly wage for all wage and salary workers (\$577 in 2005). In manufacturing, where job loss from 2000 to 2005 totaled 3.3 million, factory employment declined across the entire range of earnings quartiles. Furthermore, CPS data show that women accounted for nearly all of the net employment growth above the overall median wage, whereas men accounted for most of the net growth below the median.

Methodology

In this analysis of job growth, wage and salary employment from the CPS for 2000 and 2005 were tabulated by occupation and by industry from the outgoing rotation groups in the CPS sample.¹ These data were further partitioned into four fairly equal-sized groups based on weekly earnings quartiles. Quartiles, as referred to in this study, adhere to the following properties: The upper limit of earnings for the first quartile is the level for which 25 percent of the population of employed wage and salary workers has lower earnings, and 75 percent have higher earnings. The cutoff value for the lowest-paid quarter of employment in 2000 was \$303. The upper limit of the second quartile (\$498), also referred to as the median, evenly divided employment.² Table 1 displays the earnings values (cutoffs) that nearly evenly divided occupational employment of wage and salary workers in 2000 into four groups of 30.5 million each. The upper limit of the third quartile (\$782) is the level for which 75 percent of the population had lower earnings, and 25 percent had higher earnings. The upper limit of the fourth quartile is the level for which 100 percent of the population had lower earnings. This figure also is the highest level of earnings reported. For reasons of confidentiality, the estimate is not available in public use microdata files, nor is it presented in this analysis because it is not needed to determine the level of employment.

Data for 2005 also were partitioned in this manner but were based on the corresponding earnings figures for that particular year, rather than the earnings figures used to divide employment in 2000. (Nominal earnings seldom remain the same year after year.) The change in occupational employment from 2000 to 2005 was calculated and recorded in the bottom third of table 1. Employment data by intermediate industry detail for 2000 and 2005 are shown in a similar format in table 2. The tabulations are structured such that they can be examined for the change in employment by occupation or by industry as well as the change for a given earnings quartile, an integral part of this analysis. Tables 3 and 4 provide the distribution of employment by occupation or industry for each earnings quartile.

It is important to note that the methodology and data set used in this analysis combine to offer a new approach in assessing the nature of job growth. Any overall conclusion or interpretation of whether most net "new" jobs were "good" jobs or "bad" jobs is constrained by the nature of quartiles and medians; that is, half of the employment growth occurred above the median and half below.

Occupational employment changes

From 2000–2005, wage and salary employment (as measured by the CPS) grew by 3.8 million. From an occupational perspective, employment in service occupations accounted for the bulk of the net increase, 2.3 million.³ Elsewhere, employment rose by about 1.9 million in professional and related occupations and by nearly 1.3 million in natural resources, construction, and maintenance occupations. In addition, employment among management, business, and financial operations occupations increased by 845,000. In contrast to the employment gains in these four broad occupational groups, wage and salary employment declined by more than 2 million in production occupations and by nearly a million in office and administrative support occupations. (See table 1.)

Most of the employment growth in service occupations (2.3 million) took place in three intermediate occupation groups: food preparation and serving related occupations (793,000), healthcare support occupations (625,000), and personal care and service occupations (442,000). The bulk of employment growth in those three categories (over 80 percent) occurred in jobs that paid below the overall median weekly earnings figure of \$577 in 2005. As a result, the share of employment that consisted of service occupations in the lower earnings quartiles increased dramatically, by 1.7 percentage points in the second quartile and by nearly 3 percentage points in the bottom quartile. Despite substantial employment growth in service occupations over the 5-year period, a relatively small part (381,000) of that increase occurred in jobs paying above the overall median wage. (See tables 1 and 3.)

The net employment gain of 1.9 million among professional and related occupations principally occurred in education, training, and library occupations (852,000) and in healthcare practitioner and technical occupations (826,000). Threequarters of the growth in these two intermediate occupations (1.3 million) occurred in jobs that paid more than the overall median wage of \$577. Thus, employment shares for professional and related occupations rose in the third quartile and the highest quartile by 1.1 and 1.5 percentage points, respectively. Not all professional and related occupations contributed to job growth, however. An employment decline of 281,000 in architecture and engineering occupations resulted in decreased shares of employment for those occupations primarily in earnings quartiles above the overall median weekly wage.

Nearly all of the increase in wage and salary employment among natural resources, construction, and maintenance occupations (1.3 million) occurred in construction and extraction occupations (1.1 million). However, most of that employment growth (about a million) was in jobs that paid below the median weekly wage, rather than above it. Thus, the share of employment made up of construction and extraction occupations in earnings quartiles below the median also rose, by about 1.7 percentage points in the second quartile and by 1.2 percentage points in the bottom quartile. In contrast, most of the employment growth in management, business, and financial operations occupations (845,000) occurred in jobs that paid above the overall median wage.

Over the 2000–2005 period, the large decline in wage and salary employment in production occupations (-2.1 million) occurred across all earnings quartiles and resulted in fairly equal decreases in these occupations' shares of employment in each earnings quartile. Those declining shares ranged from

 Table 1.
 Employed wage and salary workers by occupation and earnings quartile in 2000 and 2005 and change in employment from 2000 to 2005

| Management, basiness: and financial operations occupations 15,10 982 1,905 4,232 Business and financial operations occupations 4,613 313 771 1,524 Computer and mathematical occupations 2,874 86 2,577 799 1 Architecture and engineering occupations 1,111 100 156 225 665 Life, physical, and social services occupations 1,114 104 153 288 464 113 288 464 225 665 641 1434 1,123 2014 114 1153 288 464 1153 288 464 1143 123 214 1154 1164 11434 123 2144 1154 1164 | Occupation | Total employed, 2000 | First quartile | Second quartile (median) | Third quartile | Highes quartile |
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| Total employed, 2005 First quartile Second quartile Third quartile First quartile Upper limit of earnings \$342 \$577 \$915 Total employed \$342 \$577 \$915 Wanagement, business, and financial operations occupations 15,955 995 2,060 4,343 Wanagement occupations \$0,921 659 1,249 2,664 Business and financial operations occupations 3,067 103 242 712 Computer and mathematical occupations 3,067 103 242 712 Architecture and engineering occupations 2,100 325 470 721 Legal occupations 1,261 86 161 325 Education, training, and library occupations 1,957 442 325 527 Healthcare practitioner and technical occupations 1,957 442 325 527 Healthcare support occupations | Production occupations | 11,062 | 2,365 | 3,914 | 3,046 | 1,739 |
| Occupation First quartile quartile quartile Third quartile Third quartile Upper limit of earnings \$342 \$577 \$915 Total employed \$342 \$577 \$915 Management, business, and financial operations occupations 15,955 995 2,060 4,343 Management occupations 10,921 659 1,249 2,664 Business and financial operations occupations 5,034 336 811 1,679 Professional and related occupations 26,271 3,462 3,963 7,607 1 Computer and mathematical occupations 2,303 83 228 623 Life, physical, and social science occupations 1,305 114 163 387 Community and social services occupations 1,261 86 161 325 Education, training, and library occupations 1,957 442 325 527 Healthcare practitioner and technical occupations 21,074 10,304 2,351 Arts, design, entertainment, sports, and media occup | Transportation and material moving occupations | 8,128 | 2,294 | 2,538 | 2,046 | 1,249 |
| Total employed 125,889 31,470 31,473 31,473 3 Management, business, and financial operations occupations 15,955 995 2,060 4,343 Management occupations 10,921 659 1,249 2,664 Business and financial operations occupations 5,034 336 811 1,679 Professional and related occupations 26,271 3,462 3,963 7,607 1 Computer and mathematical occupations 2,593 83 228 623 114 163 387 Community and social services occupations 1,261 86 161 325 470 721 Legal occupations 7,813 1,653 1,304 2,351 475 656 1,072 1,962 Service occupations 6,175 656 1,072 1,962 562 527 Healthcare support occupations 2,971 1,323 1,197 359 566 1,072 1,962 Service occupations 2,971 1,323 1,197 <td>• · · ·</td> <td>Total</td> <td>-</td> <td></td> <td></td> <td>Liller has at</td> | • · · · | Total | - | | | Liller has at |
| Management, business, and financial operations occupations 15,955 995 2,060 4,343 Management occupations 10,921 659 1,249 2,664 Business and financial operations occupations 26,271 3,462 3,963 7,607 1 Computer and mathematical occupations 2,593 83 228 623 11 163 387 Computer and mathematical occupations 2,100 3225 470 721 1 Legal occupations 1,261 86 161 325 1 272 1 | Occupation | | | | | Highest quartile |
| Management occupations 10,921 659 1,249 2,664 Business and financial operations occupations 5,034 336 811 1,679 Professional and related occupations 26,271 3,462 3,963 7,607 1 Computer and mathematical occupations 2,593 83 228 623 Life, physical, and social science occupations 1,305 114 163 387 Community and social services occupations 2,100 325 470 721 Legal occupations 1,261 86 161 325 Education, training, and library occupations 7,813 1,653 1,304 2,351 Arts, design, entertainment, sports, and media occupations 6,175 656 1,072 1,962 Service occupations 2,971 1,323 1,197 359 Protective service occupations 2,843 526 723 783 Food preparation and serving related occupations 7,361 4,921 1,726 562 Building and grounds cleaning and maintenance occupatio | Upper limit of earnings | 2005 | quartile \$342 | (median) \$577 | quartile \$915 | quartile (1) |
| Business and financial operations occupations 5,034 336 811 1,679 Professional and related occupations 3,067 103 242 712 Computer and mathematical occupations 3,067 103 242 712 Architecture and engineering occupations 2,593 83 228 623 Life, physical, and social science occupations 1,305 114 163 387 Community and social services occupations 1,261 86 161 325 Education, training, and library occupations 7,813 1,653 1,304 2,351 Arts, design, entertainment, sports, and media occupations 1,957 442 325 527 Healthcare practitioner and technical occupations 6,175 656 1,072 1,962 Service occupations 2,971 1,323 1,197 359 Protective service occupations 2,843 526 723 783 Food preparation and serving related occupations 4,525 2,285 1,488 583 Personal care and service occupation | Upper limit of earnings | 2005 | quartile \$342 | (median) \$577 | quartile \$915 | |
| Professional and related occupations 26,271 3,462 3,963 7,607 1 Computer and mathematical occupations 3,067 103 242 712 1 Architecture and engineering occupations 2,593 83 228 623 1 Life, physical, and social science occupations 1,305 114 163 387 Community and social services occupations 2,100 325 470 721 Legal occupations 1,261 86 161 325 Education, training, and library occupations 1,957 442 325 527 Healthcare practitioner and technical occupations 1,957 656 1,072 1,962 Service occupations 2,1074 10,930 6,030 2,735 Healthcare support occupations 2,843 526 723 783 Food preparation and serving related occupations 7,361 4,921 1,726 562 Building and grounds cleaning and maintenance occupations 3,2541 9,861 9,776 8,054 Sales and office occupations 3,2541 9,861 9,776 8,054 <td>Upper limit of earnings Total employed</td> <td>2005 125,889 15,955</td> <td>quartile \$342 31,470 995</td> <td>(median) \$577 31,473 2,060</td> <td>quartile \$915 31,473 4,343</td> <td>(1) 31,474 8,557</td> | Upper limit of earnings Total employed | 2005 125,889 15,955 | quartile \$342 31,470 995 | (median) \$577 31,473 2,060 | quartile \$915 31,473 4,343 | (1) 31,474 8,557 |
| Computer and mathematical occupations 3,067 103 242 712 Architecture and engineering occupations 2,593 83 228 623 Life, physical, and social science occupations 1,305 114 163 387 Community and social services occupations 2,100 325 470 721 Legal occupations 1,261 86 161 325 Education, training, and library occupations 7,813 1,653 1,304 2,351 Arts, design, entertainment, sports, and media occupations 6,175 656 1,072 1,962 Service occupations 2,1074 10,930 6,030 2,735 Healthcare support occupations 2,971 1,323 1,197 359 Protective service occupations 2,843 526 723 783 Food preparation and serving related occupations 7,361 4,921 1,726 562 Building and grounds cleaning and maintenance occupations 3,373 1,875 896 448 Sales and related occupations 3,373 </td <td>Upper limit of earnings Total employed Management, business, and financial operations occupations Management occupations</td> <td>2005 125,889 15,955 10,921</td> <td>quartile \$342 31,470 995 659</td> <td>(median) \$577 31,473 2,060 1,249</td> <td>quartile \$915 31,473 4,343 2,664</td> <td>(1) 31,474 8,557 6,349</td> | Upper limit of earnings Total employed Management, business, and financial operations occupations Management occupations | 2005 125,889 15,955 10,921 | quartile \$342 31,470 995 659 | (median) \$577 31,473 2,060 1,249 | quartile \$915 31,473 4,343 2,664 | (1) 31,474 8,557 6,349 |
| Architecture and engineering occupations 2,593 83 228 623 Life, physical, and social science occupations 1,305 114 163 387 Community and social services occupations 2,100 325 470 721 Legal occupations 1,261 86 161 325 Education, training, and library occupations 7,813 1,653 1,304 2,351 Arts, design, entertainment, sports, and media occupations 1,957 442 325 527 Healthcare practitioner and technical occupations 6,175 656 1,072 1,962 Service occupations 2,971 1,323 1,197 359 Protective service occupations 2,843 526 723 783 Food preparation and serving related occupations 7,361 4,921 1,726 562 Building and grounds cleaning and maintenance occupations 3,373 1,875 896 448 Sales and related occupations 3,373 1,875 896 448 Sales and related occupations 3,2,541 9,861 9,776 8,054 Sales and r | Upper limit of earnings Total employed Management, business, and financial operations occupations Management occupations Business and financial operations occupations | 2005 125,889 15,955 10,921 5,034 | quartile \$342 31,470 995 659 336 | (median) \$577 31,473 2,060 1,249 811 | quartile \$915 31,473 4,343 2,664 1,679 | (1) 31,474 8,557 6,349 2,208 |
| Life, physical, and social science occupations 1,305 114 163 387 Community and social services occupations 2,100 325 470 721 Legal occupations 1,261 86 161 325 Education, training, and library occupations 7,813 1,653 1,304 2,351 Arts, design, entertainment, sports, and media occupations 1,957 442 325 527 Healthcare practitioner and technical occupations 6,175 656 1,072 1,962 Service occupations 2,971 1,323 1,197 359 Protective service occupations 2,843 526 723 783 Food preparation and serving related occupations 7,361 4,921 1,726 562 Building and grounds cleaning and maintenance occupations 3,373 1,875 896 448 Sales and related occupations 32,541 9,861 9,776 8,054 Sales and related occupations 13,630 5,110 2,840 2,677 Office and administrative support occupations 13,630 5,110 2,840 2,677 | Upper limit of earnings Total employed Management, business, and financial operations occupations Management occupations Business and financial operations occupations Professional and related occupations | 2005 125,889 15,955 10,921 5,034 26,271 | quartile \$342 31,470 995 659 336 3,462 | (median) \$577 31,473 2,060 1,249 811 3,963 | quartile \$915 31,473 4,343 2,664 1,679 7,607 | (1) 31,474 8,557 6,349 2,208 11,239 |
| Community and social services occupations 2,100 325 470 721 Legal occupations 1,261 86 161 325 Education, training, and library occupations 7,813 1,653 1,304 2,351 Arts, design, entertainment, sports, and media occupations 1,957 442 325 527 Healthcare practitioner and technical occupations 6,175 656 1,072 1,962 Service occupations 21,074 10,930 6,030 2,735 Healthcare support occupations 2,971 1,323 1,197 359 Protective service occupations 2,843 526 723 783 Food preparation and serving related occupations 4,525 2,285 1,488 583 Personal care and service occupations 3,373 1,875 896 448 Sales and office occupations 32,541 9,861 9,776 8,054 Sales and related occupations 13,630 5,110 2,840 2,677 Office and administrative support occupations 12,907 | Upper limit of earnings Total employed Management, business, and financial operations occupations Management occupations Business and financial operations occupations Professional and related occupations Computer and mathematical occupations | 2005 125,889 15,955 10,921 5,034 26,271 3,067 | quarfile \$342 31,470 995 659 336 3,462 103 | (median) \$577 31,473 2,060 1,249 811 3,963 242 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 | (1) 31,474 8,557 6,349 2,208 11,239 2,011 |
| Legal occupations 1,261 86 161 325 Education, training, and library occupations 7,813 1,653 1,304 2,351 Arts, design, entertainment, sports, and media occupations 1,957 442 325 527 Healthcare practitioner and technical occupations 6,175 656 1,072 1,962 Service occupations 2,1,074 10,930 6,030 2,735 Healthcare support occupations 2,971 1,323 1,197 359 Protective service occupations 7,361 4,921 1,726 562 Building and grounds cleaning and maintenance occupations 4,525 2,285 1,488 583 Sales and office occupations 3,373 1,875 896 448 Sales and related occupations 32,541 9,861 9,776 8,054 Sales and related occupations 13,630 5,110 2,840 2,677 Office and administrative support occupations 12,907 2,055 3,813 4,181 Farming, fishing, and forestry occupations <td< td=""><td>Upper limit of earnings Total employed Management, business, and financial operations occupations Management occupations Business and financial operations occupations Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations</td><td>2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593</td><td>quarfile \$342 31,470 995 659 336 3,462 103 83</td><td>(median) \$577 31,473 2,060 1,249 811 3,963 242 228</td><td>quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623</td><td>quartile (¹) 31,474 8,557 6,349 2,208 11,239 2,011 1,659</td></td<> | Upper limit of earnings Total employed Management, business, and financial operations occupations Management occupations Business and financial operations occupations Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 | quarfile \$342 31,470 995 659 336 3,462 103 83 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 | quartile (¹) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 |
| Education, training, and library occupations 7,813 1,653 1,304 2,351 Arts, design, entertainment, sports, and media occupations 1,957 442 325 527 Healthcare practitioner and technical occupations 6,175 656 1,072 1,962 Service occupations 21,074 10,930 6,030 2,735 Healthcare support occupations 2,971 1,323 1,197 359 Protective service occupations 2,843 526 723 783 Food preparation and serving related occupations 7,361 4,921 1,726 562 Building and grounds cleaning and maintenance occupations 3,373 1,875 896 448 Sales and office occupations 3,2,541 9,861 9,776 8,054 Sales and related occupations 32,541 9,861 9,776 8,054 Sales and related occupations 13,630 5,110 2,840 2,677 Office and administrative support occupations 12,907 2,055 3,813 4,181 Yatural resources, construction, and maintenance occupations 12,907 2,055 3,813 | Upper limit of earnings Total employed Management, business, and financial operations occupations Management occupations Business and financial operations occupations Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 | quartile \$342 31,470 995 659 336 3,462 103 83 114 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 | quartile (¹) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 |
| Arts, design, entertainment, sports, and media occupations 1,957 442 325 527 Healthcare practitioner and technical occupations 6,175 656 1,072 1,962 Service occupations 21,074 10,930 6,030 2,735 Healthcare support occupations 2,971 1,323 1,197 359 Protective service occupations 2,843 526 723 783 Food preparation and serving related occupations 7,361 4,921 1,726 562 Building and grounds cleaning and maintenance occupations 3,373 1,875 896 448 Sales and office occupations 3,373 1,875 896 448 Sales and related occupations 13,630 5,110 2,840 2,677 Office and administrative support occupations 13,630 5,110 2,840 2,677 Natural resources, construction, and maintenance occupations 12,907 2,055 3,813 4,181 Farming, fishing, and forestry occupations 88 433 313 109 Construction and extraction occupations 7,296 1,161 2,348 2,26 | Upper limit of earnings Total employed Management, business, and financial operations occupations Management occupations Business and financial operations occupations Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 | quarfile \$342 31,470 995 659 336 3,462 103 83 114 325 86 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 | quartile (¹) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 |
| Service occupations 21,074 10,930 6,030 2,735 Healthcare support occupations 2,971 1,323 1,197 359 Protective service occupations 2,843 526 723 783 Food preparation and serving related occupations 7,361 4,921 1,726 562 Building and grounds cleaning and maintenance occupations 4,525 2,285 1,488 583 Personal care and service occupations 3,373 1,875 896 448 Sales and office occupations 32,541 9,861 9,776 8,054 Sales and related occupations 13,630 5,110 2,840 2,677 Office and administrative support occupations 12,907 2,055 3,813 4,181 Farming, fishing, and forestry occupations 888 433 313 109 Construction and extraction occupations 7,296 1,161 2,348 2,267 | Upper limit of earnings Total employed Management, business, and financial operations occupations Business and financial operations occupations Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations Legal occupations | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 | quarfile \$342 31,470 995 659 336 3,462 103 83 114 325 86 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 | (¹) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 |
| Healthcare support occupations 2,971 1,323 1,197 359 Protective service occupations 2,843 526 723 783 Food preparation and serving related occupations 7,361 4,921 1,726 562 Building and grounds cleaning and maintenance occupations 4,525 2,285 1,488 583 Personal care and service occupations 3,373 1,875 896 448 Sales and office occupations 32,541 9,861 9,776 8,054 Sales and related occupations 13,630 5,110 2,840 2,677 Office and administrative support occupations 12,907 2,055 3,813 4,181 Farming, fishing, and forestry occupations 888 433 313 109 Construction and extraction occupations 7,296 1,161 2,348 2,267 | Upper limit of earnings Total employed Management, business, and financial operations occupations Management occupations Business and financial operations occupations Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations Legal occupations Education, training, and library occupations Arts, design, entertainment, sports, and media occupations | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 | quarfile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 | quartile (¹) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 |
| Protective service occupations 2,843 526 723 783 Food preparation and serving related occupations 7,361 4,921 1,726 562 Building and grounds cleaning and maintenance occupations 4,525 2,285 1,488 583 Personal care and service occupations 3,373 1,875 896 448 Sales and office occupations 32,541 9,861 9,776 8,054 Sales and related occupations 13,630 5,110 2,840 2,677 Office and administrative support occupations 12,907 2,055 3,813 4,181 Farming, fishing, and forestry occupations 888 433 313 109 Construction and extraction occupations 7,296 1,161 2,348 2,267 | Upper limit of earnings Total employed | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 | quartile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 | quartile (¹) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 |
| Food preparation and serving related occupations 7,361 4,921 1,726 562 Building and grounds cleaning and maintenance occupations 4,525 2,285 1,488 583 Personal care and service occupations 3,373 1,875 896 448 Sales and office occupations 3,2,541 9,861 9,776 8,054 Sales and related occupations 13,630 5,110 2,840 2,677 Office and administrative support occupations 12,907 2,055 3,813 4,181 Farming, fishing, and forestry occupations 888 433 313 109 Construction and extraction occupations 7,296 1,161 2,348 2,267 | Upper limit of earnings Total employed | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 21,074 | quarfile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 10,930 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 6,030 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 2,735 | quartile (¹⁾ 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 1,379 |
| Building and grounds cleaning and maintenance occupations 4,525 2,285 1,488 583 Personal care and service occupations 3,373 1,875 896 448 Sales and office occupations 32,541 9,861 9,776 8,054 Sales and related occupations 13,630 5,110 2,840 2,677 Office and administrative support occupations 18,911 4,751 6,936 5,377 Vatural resources, construction, and maintenance occupations 12,907 2,055 3,813 4,181 Farming, fishing, and forestry occupations 898 433 313 109 Construction and extraction occupations 7,296 1,161 2,348 2,267 | Upper limit of earnings Total employed | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 21,074 2,971 | quartile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 10,930 1,323 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 6,030 1,197 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 2,735 359 | quartile (1) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 1,379 93 |
| Personal care and service occupations 3,373 1,875 896 448 Sales and office occupations 32,541 9,861 9,776 8,054 Sales and related occupations 13,630 5,110 2,840 2,677 Office and administrative support occupations 18,911 4,751 6,936 5,377 Vatural resources, construction, and maintenance occupations 12,907 2,055 3,813 4,181 Farming, fishing, and forestry occupations 888 433 313 109 Construction and extraction occupations 7,296 1,161 2,348 2,267 | Upper limit of earnings Total employed | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 21,074 2,971 2,843 | quartile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 10,930 1,323 526 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 6,030 1,197 723 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 2,735 359 783 | quartile (¹) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 1,379 93 811 |
| Sales and office occupations 32,541 9,861 9,776 8,054 Sales and related occupations 13,630 5,110 2,840 2,677 Office and administrative support occupations 18,911 4,751 6,936 5,377 Vatural resources, construction, and maintenance occupations 12,907 2,055 3,813 4,181 Farming, fishing, and forestry occupations 888 433 313 109 Construction and extraction occupations 7,296 1,161 2,348 2,267 | Upper limit of earnings | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 21,074 2,971 2,843 7,361 | quarfile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 10,930 1,323 526 4,921 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 6,030 1,197 723 1,726 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 2,735 359 783 562 | quartile (¹) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 1,379 93 811 152 |
| Sales and related occupations 13,630 5,110 2,840 2,677 Office and administrative support occupations 18,911 4,751 6,936 5,377 Vatural resources, construction, and maintenance occupations 12,907 2,055 3,813 4,181 Farming, fishing, and forestry occupations 888 433 313 109 Construction and extraction occupations 7,296 1,161 2,348 2,267 | Upper limit of earnings Total employed | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 21,074 2,971 2,843 7,381 4,525 | quarfile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 10,930 1,323 526 4,921 2,285 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 6,030 1,197 723 1,726 1,488 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 2,735 359 783 562 583 | quartile (¹⁾ 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 1,379 93 811 152 169 |
| Office and administrative support occupations 18,911 4,751 6,936 5,377 Jatural resources, construction, and maintenance occupations 12,907 2,055 3,813 4,181 Farming, fishing, and forestry occupations 898 433 313 109 Construction and extraction occupations 7,296 1,161 2,348 2,267 | Upper limit of earnings Total employed Management, business, and financial operations occupations Management occupations Business and financial operations occupations Professional and related occupations Computer and mathematical occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations Education, training, and library occupations Healthcare practitioner and technical occupations Healthcare support occupations Protective service occupations Food preparation and serving related occupations Food preparation and serving related occupations Parts and grounds cleaning and maintenance occupations Personal care and service occupations | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 21,074 2,971 2,843 7,361 4,525 3,373 | quarfile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 10,930 1,323 526 4,921 2,285 1,875 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 6,030 1,197 723 1,726 1,488 896 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 2,735 359 783 562 583 448 | quartile (1) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 1,379 93 811 152 169 154 |
| Farming, fishing, and forestry occupations 898 433 313 109 Construction and extraction occupations 7,296 1,161 2,348 2,267 | Upper limit of earnings | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 21,074 2,971 2,843 7,361 4,525 3,373 32,541 | quartile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 10,930 1,323 526 4,921 2,285 1,875 9,861 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 6,030 1,197 723 1,726 1,488 896 9,776 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 2,735 359 783 562 583 448 8,054 | quartile (¹⁾ 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 1,379 93 811 152 169 |
| Construction and extraction occupations 7,296 1,161 2,348 2,267 | Upper limit of earnings | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 21,074 2,971 2,843 7,361 4,525 3,373 32,541 13,630 | quarfile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 10,930 1,323 526 4,921 2,285 1,875 9,861 5,110 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 6,030 1,197 723 1,726 1,488 896 9,776 2,840 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 2,735 359 783 562 583 448 8,054 2,677 | quartile (1) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 1,379 93 811 152 169 154 4,849 |
| | Upper limit of earnings Total employed | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 21,074 2,971 2,843 7,361 4,525 3,373 32,541 13,630 18,911 | quarfile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 10,930 1,323 526 4,921 2,285 1,875 9,861 5,110 4,751 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 6,030 1,197 723 1,726 1,488 896 9,776 2,840 6,936 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 2,735 359 783 562 583 448 8,054 2,677 5,377 | quartile (¹) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 1,379 93 811 152 169 154 4,849 3,002 |
| Installation, maintenance, and repair occupations 4,713 462 1,152 1,806 | Upper limit of earnings | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 21,074 2,971 2,843 7,361 4,525 3,373 32,541 13,630 18,911 12,907 898 | quarfile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 10,930 1,323 526 4,921 2,285 1,875 9,861 5,110 4,751 2,055 433 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 6,030 1,197 723 1,726 1,488 896 9,776 2,840 6,936 3,813 313 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 2,735 359 783 562 583 448 8,054 2,677 5,377 4,181 109 | quartile (1) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 1,379 93 811 152 169 154 4,849 3,002 1,847 2,858 43 |
| | Upper limit of earnings Total employed Management, business, and financial operations occupations Management occupations Business and financial operations occupations Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations Education, training, and library occupations Healthcare practitioner and technical occupations Protective service occupations Healthcare support occupations Food preparation and serving related occupations Building and grounds cleaning and maintenance occupations Sales and office occupations Sales and related occupations Natural resources, construction, and maintenance occupations Katming, fishing, and forestry occupations Construction and extraction occupations Natural resources, construction, and maintenance occupations Construction and extraction occupations | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 21,074 2,971 2,843 7,361 4,525 3,373 32,541 13,630 18,911 12,907 898 7,296 | quarfile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 10,930 1,323 526 4,921 2,285 1,875 9,861 5,110 4,751 2,055 433 1,161 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 6,030 1,197 723 1,726 1,488 896 9,776 2,840 6,936 3,813 313 2,348 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 2,735 359 783 562 583 448 8,054 2,677 4,181 109 2,267 | quartile (1) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 1,379 93 811 152 169 154 4,849 3,002 1,847 2,858 43 1,521 |
| | Upper limit of earnings | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 21,074 2,971 2,843 7,361 4,525 3,373 32,541 13,630 18,911 12,907 898 7,296 4,713 | quarfile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 10,930 1,323 526 4,921 2,285 1,875 9,861 5,110 4,751 2,055 433 1,161 462 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 6,030 1,197 723 1,726 1,488 896 9,776 2,840 6,936 3,813 313 2,348 1,152 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 2,735 359 783 562 583 448 8,054 2,677 5,377 4,181 109 2,267 1,806 | quartile (¹) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 1,379 93 811 152 169 154 4,849 3,002 1,547 2,858 43 1,521 1,294 |
| Production occupations 9,007 1,876 3,230 2,515 Transportation and material moving occupations 8,135 2,291 2,601 2,036 | Upper limit of earnings Total employed | 2005 125,889 15,955 10,921 5,034 26,271 3,067 2,593 1,305 2,100 1,261 7,813 1,957 6,175 21,074 2,971 2,843 7,381 4,525 3,373 32,541 13,630 18,911 12,907 898 7,296 4,713 17,142 | quarfile \$342 31,470 995 659 336 3,462 103 83 114 325 86 1,653 442 656 10,930 1,323 526 4,921 2,285 1,875 9,861 5,110 4,751 2,055 433 1,161 462 4,167 | (median) \$577 31,473 2,060 1,249 811 3,963 242 228 163 470 161 1,304 325 1,072 6,030 1,197 723 1,726 1,488 896 9,776 2,840 6,936 3,813 313 2,348 1,152 5,831 | quartile \$915 31,473 4,343 2,664 1,679 7,607 712 623 387 721 325 2,351 527 1,962 2,735 359 783 562 583 448 8,054 2,677 5,377 4,181 109 2,267 1,806 4,551 | quartile (1) 31,474 8,557 6,349 2,208 11,239 2,011 1,659 642 584 690 2,505 663 2,486 1,379 93 811 152 169 154 4,849 3,002 1,847 2,858 43 1,521 |

See footnote at end of table.

Table 1.

Continued—Employed wage and salary workers by occupation and earnings quartile in 2000 and 2005 and change in employment from 2000 to 2005

| [Numbers | in the | ousands |
|----------|--------|---------|

| Occupation | Change in employment, 2000–2005 | First quartile | Second quartile (median) | Third quartile | Highest quartile |
|--|---------------------------------------|-------------------|--------------------------------|-------------------|---------------------|
| Total | 3,800 | 951 | 948 | 952 | 950 |
| Management, business, and financial operations occupations | 845 | 13 | 155 | 320 | 357 |
| Management occupations | 424 | -10 | 55 | 165 | 214 |
| Business and financial operations occupations | 421 | 23 | 99 | 155 | 143 |
| Professional and related occupations | 1,851 | 314 | 179 | 568 | 790 |
| Computer and mathematical occupations | -127 | -26 | -25 | -87 | 13 |
| Architecture and engineering occupations | -281 | -3 | -31 | -62 | -184 |
| Life, physical, and social science occupations | 194 | 14 | 7 | 61 | 114 |
| Community and social services occupations | 192 | 58 | 17 | 80 | 37 |
| Legal occupations | 121 | 5 | 8 | 37 | 71 |
| Education, training, and library occupations | 852 | 159 | 179 | 337 | 176 |
| Arts, design, entertainment, sports, and media occupations | 73 | 61 | 8 | 13 | 7 |
| Healthcare practitioner and technical occupations | 826 | 46 | 34 | 191 | 557 |
| Service occupations | 2,326 | 1,236 | 709 | 277 | 104 |
| Healthcare support occupations | 625 | 315 | 228 | 61 | 21 |
| Protective service occupations | 291 | 22 | 98 | 65 | 106 |
| Food preparation and serving related occupations | 793 | 586 | 124 | 77 | 6 |
| Building and grounds cleaning and maintenance occupations | 174 | 157 | 48 | -20 | -11 |
| Personal care and service occupations | 442 | 156 | 211 | 94 | -18 |
| Sales and office occupations | -459 | -441 | -190 | -26 | 197 |
| Sales and related occupations | 490 | -16 | 122 | 80 | 303 |
| Office and administrative support occupations | -949 | -425 | -312 | -107 | -106 |
| Natural resources, construction, and maintenance occupations | 1,286 | 321 | 715 | 352 | -103 |
| Farming, fishing, and forestry occupations | -123 | -143 | 16 | 1 | 3 |
| Construction and extraction occupations | 1,107 | 402 | 583 | 204 | 81 |
| Installation, maintenance, and repair occupations | 302 | 64 | 117 | 148 | -24 |
| Production, transportation, and material moving occupations | -2,048 | -492 | -621 | -541 | -395 |
| Production occupations | -2,055 | -489 | 684 | -531 | -354 |
| Transportation and material moving occupations | 7 | -3 | 63 | -10 | -42 |

negative 2.6 percentage points in the second quartile to negative 1.3 percentage points in the highest quartile. There is a close association between production occupations and production workers in the manufacturing industry. In the industry employment discussion, similarly large employment declines in manufacturing will be noted.

From 2000 to 2005, employment also declined among office and administrative support occupations (–949,000), mostly in jobs that paid less than the overall median wage. While shares of employment declined across all earnings quartiles for that occupation group, the decreases were substantially larger in the bottom two quartiles. (See tables 1 and 3.)

Industry employment changes

From an industry standpoint, wage and salary employment in education and health services increased by 3.0 million over the 2000–2005 period. Construction employment expanded by more than 1 million, and employment in retail trade and in food services and drinking places each rose by about three-quarters of a million. Employment in financial activities

increased by about 600,000 during the 2000–05 period, and employment in public administration rose by a little more than half a million. A number of industries sustained employment decreases, some quite severe. Manufacturing employment declined by 3.3 million over the period, with slightly more than 2 million in the durable goods component. Employment in the information sector also declined, by about 660,000. (See table 2.)

Within education and health services, employment in health services, except hospitals, rose by 1.2 million, with the gain distributed fairly equally across all earnings quartiles. Employment also expanded in hospitals, primarily in the higher paying earnings quartiles. In educational services, employment increased by nearly 1 million—also mainly in jobs that paid above the overall median weekly wage.

The employment increase of more than 1 million in the construction industry was consistent with employment gains in the corresponding construction and extraction occupations. Most of the employment growth in the construction industry occurred in jobs that paid less than the overall median, and shares of construction employment in the lower

 Table 2.
 Employed wage and salary workers by industry and earnings quartile in 2000 and 2005 and change in employment from 2000 to 2005

| Industry | Total employed, 2000 | First quartile | Second quartile (median) | Third quartile | Highest quartile |
|--|----------------------------|---------------------|--------------------------------|-------------------|---------------------|
| Upper limit of earnings Total employed | 122,089 | \$303 30,519 | \$498 30,525 | \$782 30,521 | (1) 30,524 |
| Agriculture and related industries | 1,307 | 626 | 364 | 210 | 108 |
| Aining | 451 | 33 | 72 | 154 | 191 |
| Construction | 7,437 | 923 | 2,056 | 2,406 | 2,052 |
| Nanufacturing | 18,940 | 2,542 | 5,304 | 5,340 | 5,754 |
| Durable goods manufacturing | 12,017 | 1,286 | 3,265 | 3,520 | 3,946 |
| Nondurable goods manufacturing | 6,923 | 1,255 | 2,039 | 1,820 | 1,809 |
| Vholesale and retail trade | 17,995 | 6,706 | 4,704 | 3,723 | 2,863 |
| Wholesale trade | 3,693 | 636 | 1,009 | 1,080 | 969 |
| Retail trade | 14,302 | 6,070 | 3,695 | 2,643 | 1,894 |
| ransportation and utilities | 6,946 | 937 | 1,509 | 2,223 | 2,278 |
| Transportation and warehousing | 5,655 | 855 | 1,287 | 1,856 | 1,657 |
| Utilities | 1,292 | 83 | 222 | 367 | 620 |
| nformation | 3,782 | 567 | 732 | 995 | 1,487 |
| inancial activities | 8,243 | 1,293 | 2,108 | 2,262 | 2,580 |
| Finance and insurance | 6,121 | 764 | 1,521 | 1,722 | 2,115 |
| Real estate and rental and leasing | 2,122 | 529 | 588 | 539 | 465 |
| Professional and business services | 10,892 | 2,208 | 2,560 | 2,512 | 3,612 |
| Professional and technical services | 6,555 | 760 | 1,111 | 1,635 | 3,049 |
| Management, administrative, and waste services | 4,337 | 1,448 | 1,449 | 877 | 563 |
| Education and health services | 24,697 | 6,354 | 6,066 | 6,391 | 5,886 |
| Educational services | 10,977 | 2,721 | 2,059 | 2,973 | 3,224 |
| Health care and social assistance | 13,720 | 3,633 | 4,006 | 3,418 | 2,663 |
| Hospitals | 5,184 | 816 | 1,360 | 1,600 | 1,408 |
| Health services, except hospitals | 6,435 | 1,866 | 2,067 | 1,442 | 1,060 |
| Social assistance | 2,101 10,220 | 951 | 579 | 376 | 195 764 |
| Leisure and hospitality Arts, entertainment, and recreation | 2,065 | 5,648 868 | 2,538 538 | 1,270 366 | 293 |
| Accommodation and food services | 8,155 | 4,781 | 1,999 | 904 | 470 |
| Accommodation and rood services | 1,501 | 581 | 518 | 250 | 151 |
| Food services and drinking places | 6,654 | 4,200 | 1,482 | 654 | 319 |
| Other services | 5,132 | 2.060 | 1,241 | 1,045 | 786 |
| Other services, except private households | 4,424 | 1,554 | 1,108 | 995 | 767 |
| Repair and maintenance | 1,403 | 343 | 390 | 416 | 254 |
| Personal and laundry services | 1,285 | 614 | 352 | 208 | 110 |
| Membership associations and organizations | 1,736 | 596 | 365 | 372 | 403 |
| Other services, private households | 708 | 506 | 133 | 50 | 19 |
| Public administration | 6,048 | 622 | 1,273 | 1,991 | 2,162 |
| | Total | | Second | | , |
| Industry | employed, 2005 | First quartile | quartile (median) | Third quartile | Highest quartile |
| Upper limit of earnings | | \$342 | \$577 | \$915 | (¹) |
| Total employed | 125,889 | 31,470 | 31,473 | 31,473 | 31,474 |
| Agriculture and related industries | 1,076 | 461 | 331 | 190 | 94 |
| /ining | 603 | 29 | 112 | 186 | 276 |
| Construction | 8,513 | 1,267 | 2,645 | 2,605 | 1,996 |
| Nanufacturing | 15,596 | 2,068 | 4,335 | 4,369 | 4,824 |
| Durable goods manufacturing | 9,900 | 1,069 | 2,675 | 2,842 | 3,314 |
| Nondurable goods manufacturing | 5,696 | 999 | 1,660 | 1,527 | 1,510 |
| Vholesale and retail trade | 19,101 | 6,771 | 5,059 | 4,011 | 3,260 |
| Wholesale trade | 4,028 | 535 | 1,070 | 1,191 | 1,232 |
| Retail trade | 15,073 | 6,235 | 3,989 | 2,821 | 2,028 |
| ransportation and utilities | 6,730 | 908 | 1,603 | 2,187 | 2,032 |
| Transportation and warehousing Utilities | 5,552 | 843 | 1,395 | 1,821 | 1,493 |
| LUUUES | 1,178 | 64 532 | 209 | 366 | 539 |
| | 3,118 | 522 1,244 | 613 | 793 | 1,190 |
| nformation | Q 0/E | 1.244 | 2,147 | 2,468 | 2,986 |
| nformation | 8,845 6.445 | | 1 532 | 1 865 | |
| nformation Financial activities Finance and insurance | 6,445 | 674 | 1,532 | 1,865 | 2,373 612 |
| nformation inancial activities Finance and insurance Real estate and rental and leasing | 6,445 2,399 | 674 570 | 614 | 603 | 612 |
| nformation inancial activities Finance and insurance Real estate and rental and leasing Professional and business services | 6,445 2,399 11,337 | 674 570 2,326 | 614 2,512 | 603 2,632 | 612 3,868 |
| nformation inancial activities Finance and insurance Real estate and rental and leasing | 6,445 2,399 | 674 570 | 614 | 603 | 612 |

See footnote at end of table.

 Table 2.
 Continued—Employed wage and salary workers by industry and earnings quartile in 2000 and 2005

 and change in employment from 2000 to 2005

| Industry | Total employed, 2005 | First quartile | Second quartile (median) | Third quartile | Highest quartile |
|--|---------------------------------------|-------------------|--------------------------------|-------------------|---------------------|
| Educational services | 11,958 | 2,814 | 2,237 | 3,408 | 3,499 |
| Health care and social assistance | 15,702 | 3,929 | 4,455 | 3,917 | 3,401 |
| Hospitals | 5,742 | 803 | 1,411 | 1,746 | 1,782 |
| Health services, except hospitals | 7,680 | 2,158 | 2,418 | 1,725 | 1,380 |
| | 2,280 | 969 | 626 | 446 | 239 |
| Social assistance | | | | | |
| eisure and hospitality | 11,102 | 6,337 | 2,570 | 1,398 | 797 |
| Arts, entertainment, and recreation | 2,253 | 943 | 565 | 448 | 296 |
| Accommodation and food services | 8,849 | 5,393 | 2,005 | 950 | 501 |
| Accommodations | 1,471 | 612 | 452 | 261 | 146 |
| Food services and drinking places | 7,378 | 4,781 | 1,553 | 689 | 355 |
| Other services | 5,628 | 2,183 | 1,490 | 1,169 | 787 |
| Other services, except private households | 4,832 | 1,643 | 1,296 | 1,121 | 772 |
| Repair and maintenance | 1,502 | 345 | 495 | 424 | 238 |
| Personal and laundry services | 1,401 | 673 | 398 | 231 | 98 |
| Membership associations and organizations | 1,929 | 626 | 402 | 465 | 435 |
| Other services, private households | 797 | 540 | 194 | 48 | 15 |
| | - | | - | - | |
| Public administration | 6,578 | 612 | 1,365 | 2,138 | 2,464 |
| Industry | Change in employment, 2000–2005 | First quartile | Second quartile (median) | Third quartile | Highest quartile |
| Total | 3,800 | 951 | 948 | 952 | 950 |
| Agriculture and related industries | -231 | -165 | -33 | -20 | -14 |
| lining | 152 | -4 | 40 | 32 | 85 |
| Construction | 1,076 | 344 | 589 | 199 | -56 |
| Aanufacturing | -3,344 | -474 | -969 | -971 | -930 |
| | · · · · · · · · · · · · · · · · · · · | -217 | -590 | | |
| Durable goods manufacturing | -2,117 | | | -678 | -632 |
| Nondurable goods manufacturing | -1,227 | -256 | -379 | -293 | -299 |
| Vholesale and retail trade | 1,106 | 65 | 355 | 288 | 397 |
| Wholesale trade | 335 | -101 | 61 | 111 | 263 |
| Retail trade | 771 | 165 | 294 | 178 | 134 |
| Fransportation and utilities | -216 | -29 | 94 | -36 | -246 |
| Transportation and warehousing | -103 | -12 | 108 | -35 | -164 |
| Utilities | -114 | -19 | -13 | -1 | -81 |
| nformation | -664 | -45 | -119 | -202 | -297 |
| inancial activities | 602 | -49 | 39 | 206 | 406 |
| Finance and insurance | 324 | -90 | 11 | 143 | 258 |
| | 277 | | 26 | 64 | 147 |
| Real estate and rental and leasing | | | - | - | |
| Professional and business services | 445 | 118 | -48 | 120 | 256 |
| Professional and technical services | 127 | -6 | -72 | 37 | 168 |
| Management, administrative, and waste services | 319 | 124 | 24 | 83 | 88 |
| ducation and health services | 2,964 | 390 | 626 | 934 | 1,014 |
| Educational services | 981 | 93 | 178 | 435 | 275 |
| Health care and social assistance | 1,982 | 296 | 449 | 499 | 738 |
| Hospitals | 558 | -13 | 51 | 146 | 374 |
| Health services, except hospitals | 1,245 | 292 | 351 | 283 | 320 |
| Social assistance | 179 | 18 | 47 | 70 | 44 |
| eisure and hospitality | 882 | 689 | 32 | 128 | 33 |
| Arts, entertainment, and recreation | 188 | 75 | 27 | 82 | 3 |
| | | | | | |
| Accommodation and food services | 694 | 612 | 6 | 46 | 31 |
| Accommodations | -30 | 31 | -66 | 11 | -5 |
| Food services and drinking places | 724 | 581 | 71 | 35 | 36 |
| Other services | 496 | 123 | 249 | 124 | 1 |
| Other services, except private households | 408 | 89 | 188 | 126 | 5 |
| Repair and maintenance | 99 | 2 | 105 | 8 | -16 |
| Personal and laundry services | 116 | 59 | 46 | 23 | -12 |
| Membership associations and organizations | 193 | 30 | 37 | 93 | 32 |
| Other services, private households | 89 | 30 34 | 61 | -2 | -4 |
| | | | 92 | 2 147 | |
| ublic administration | 530 | -10 | | | 302 |

earnings quartiles increased. Whether on an occupational basis (construction and extraction occupations) or on an industry basis (construction), there was no employment growth in the highest earnings quartile. (See tables 2 and 4.) From 2000 to 2005, employment in retail trade expanded by

771,000; this growth was spread across all earnings quartiles.

| Occupation | Employment distribution, | First quartile | Second quartile | Third quartile | Highest quartile |
|--|---|---|---|---|--|
| • · · · | 2000 | quame | (median) | quame | quame |
| Upper limit of earnings | | \$303 | \$498 | \$782 | (1) |
| Total employed | 122,089 | 30,519 | 30,525 | 30,521 | 30,524 |
| Percent | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| Management, business, and financial operations occupations | 12.38 | 3.22 | 6.24 | 13.18 | 26.86 |
| Management occupations | 8.60 | 2.19 | 3.91 | 8.19 | 20.10 |
| Business and financial operations occupations | 3.78 | 1.03 | 2.33 | 4.99 | 6.77 |
| Professional and related occupations | 20.00 | 10.32 | 12.40 | 23.06 | 34.23 |
| Computer and mathematical occupations | 2.62 | .42 | .88 | 2.62 | 6.55 |
| Architecture and engineering occupations | 2.35 | .28 | .85 | 2.25 | 6.04 |
| Life, physical, and social science occupations Community and social services occupations | .91 1.56 | .33 .88 | .51 1.48 | 1.07 2.10 | 1.73 |
| Legal occupations | .93 | .88 | .50 | .94 | 2.03 |
| Education, training, and library occupations | 5.70 | 4.89 | 3.68 | 6.60 | 7.63 |
| Arts, design, entertainment, sports, and media occupations | 1.54 | 1.25 | 1.09 | 1.68 | 2.15 |
| Healthcare practitioner and technical occupations | 4.38 | 2.00 | 3.40 | 5.80 | 6.32 |
| Service occupations | 15.36 | 31.76 | 17.43 | 8.05 | 4.18 |
| Healthcare support occupations | 1.92 | 3.30 | 3.17 | .98 | .24 |
| Protective service occupations | 2.09 | 1.65 | 2.05 | 2.35 | 2.31 |
| Food preparation and serving related occupations | 5.38 | 14.20 | 5.25 | 1.59 | .48 |
| Building and grounds cleaning and maintenance occupations | 3.56 | 6.97 | 4.72 | 1.98 | .40 |
| Personal care and service occupations | 2.40 | 5.63 | 2.24 | 1.16 | .56 |
| Sales and office occupations | 27.03 | 33.76 | 32.65 | 26.47 | 15.24 |
| Sales and related occupations | 10.76 | 16.80 | 8.90 | 8.51 | 8.84 |
| Office and administrative support occupations | 16.27 | 16.96 | 23.74 | 17.97 | 6.40 |
| Natural resources, construction, and maintenance occupations | 9.52 | 5.68 | 10.15 | 12.55 | 9.70 |
| Farming, fishing, and forestry occupations | .84 | 1.89 | .97 | .35 | .13 |
| Construction and extraction occupations | 5.07 | 2.49 | 5.78 | 6.76 | 5.25 |
| Installation, maintenance, and repair occupations | 3.61 | 1.31 | 3.39 | 5.43 | 4.32 |
| Production, transportation, and material moving occupations | 15.72 | 15.27 | 21.14 | 16.68 | 9.79 |
| Production occupations | 9.06 | 7.75 | 12.82 | 9.98 | 5.70 |
| Transportation and material moving occupations | 6.66 | 7.52 | 8.31 | 6.70 | 4.09 |
| Occupation | Employment distribution, 2005 | First quartile | Second quartile (median) | Third quartile | Highest quartile |
| | | • · · · · | | | |
| Upper limit of earnings Total employed | 125,889 | \$342 31,470 | \$577 31,473 | \$915 31,473 | (¹) 31,474 |
| | · · · | | | , | · · |
| Percent | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| Management, business, and financial operations occupations | 12.67 | 3.16 | 6.54 | 13.80 | 27.19 |
| Management occupations | 8.67 | 2.09 | 3.97 | 8.47 | 20.17 |
| Business and financial operations occupations | | 1.07 | 2.58 | 5.34 | 7.02 |
| | 4.00 | 44.00 | 40 -0 | 1 1/17 | 35.71 |
| Professional and related occupations | 20.87 | 11.00 | 12.59 | 24.17 | |
| Professional and related occupations Computer and mathematical occupations | 20.87 2.44 | .33 | .77 | 2.26 | 6.39 |
| Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations | 20.87 2.44 2.06 | .33 .26 | .77 .73 | 2.26 1.98 | 6.39 5.27 |
| Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations | 20.87 2.44 2.06 1.04 | .33 .26 .36 | .77 .73 .52 | 2.26 1.98 1.23 | 6.39 5.27 2.04 |
| Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations | 20.87 2.44 2.06 1.04 1.67 | .33 .26 .36 1.03 | .77 .73 .52 1.49 | 2.26 1.98 1.23 2.29 | 6.39 5.27 2.04 1.86 |
| Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations Legal occupations | 20.87 2.44 2.06 1.04 1.67 1.00 | .33 .26 .36 1.03 .27 | .77 .73 .52 1.49 .51 | 2.26 1.98 1.23 2.29 1.03 | 6.39 5.27 2.04 1.86 2.19 |
| Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations Legal occupations Education, training, and library occupations | 20.87 2.44 2.06 1.04 1.67 1.00 6.21 | .33 .26 .36 1.03 .27 5.25 | .77 .73 .52 1.49 .51 4.14 | 2.26 1.98 1.23 2.29 1.03 7.47 | 6.39 5.27 2.04 1.86 2.19 7.96 |
| Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations Legal occupations Education, training, and library occupations Arts, design, entertainment, sports, and media occupations | 20.87 2.44 2.06 1.04 1.67 1.00 6.21 1.55 | .33 .26 .36 1.03 .27 5.25 1.40 | .77 .73 .52 1.49 .51 4.14 1.03 | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 |
| Professional and related occupations | 20.87 2.44 2.06 1.04 1.67 1.00 6.21 1.55 4.91 | .33 .26 .36 1.03 .27 5.25 1.40 2.08 | .77 .73 .52 1.49 .51 4.14 1.03 3.41 | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 6.23 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 |
| Professional and related occupations | 20.87 2.44 2.06 1.04 1.67 1.00 6.21 1.55 | .33 .26 .36 1.03 .27 5.25 1.40 | .77 .73 .52 1.49 .51 4.14 1.03 3.41 19.16 | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 |
| Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations Legal occupations Education, training, and library occupations Arts, design, entertainment, sports, and media occupations Healthcare practitioner and technical occupations Healthcare support occupations | 20.87 2.44 2.06 1.04 1.67 1.00 6.21 1.55 4.91 16.74 | .33 .26 .36 1.03 .27 5.25 1.40 2.08 34.73 | .77 .73 .52 1.49 .51 4.14 1.03 3.41 | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 6.23 8.69 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 4.38 |
| Professional and related occupations | 20.87 2.44 2.06 1.04 1.67 1.00 6.21 1.55 4.91 16.74 2.36 | .33 .26 .36 1.03 .27 5.25 1.40 2.08 34.73 4.20 | .77 .73 .52 1.49 .51 4.14 1.03 3.41 19.16 3.80 | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 6.23 8.69 1.14 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 4.38 .29 |
| Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations Legal occupations Education, training, and library occupations Arts, design, entertainment, sports, and media occupations Healthcare practitioner and technical occupations Healthcare support occupations | $\begin{array}{c} 20.87\\ 2.44\\ 2.06\\ 1.04\\ 1.67\\ 1.00\\ 6.21\\ 1.55\\ 4.91\\ 16.74\\ 2.36\\ 2.26\end{array}$ | .33 .26 .36 1.03 .27 5.25 1.40 2.08 34.73 4.20 1.67 | .77 .73 .52 1.49 .51 4.14 1.03 3.41 19.16 3.80 2.30 | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 6.23 8.69 1.14 2.49 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 4.38 .29 2.58 |
| Professional and related occupations | $\begin{array}{c} 20.87\\ 2.44\\ 2.06\\ 1.04\\ 1.67\\ 1.00\\ 6.21\\ 1.55\\ 4.91\\ 16.74\\ 2.36\\ 2.26\\ 5.85\end{array}$ | .33 .26 .36 1.03 .27 5.25 1.40 2.08 34.73 4.20 1.67 15.64 | .77 .73 .52 1.49 .51 4.14 1.03 3.41 19.16 3.80 2.30 5.48 | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 6.23 8.69 1.14 2.49 1.79 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 4.38 .29 2.58 .48 |
| Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations Legal occupations Education, training, and library occupations Arts, design, entertainment, sports, and media occupations Healthcare practitioner and technical occupations Service occupations Healthcare support occupations Protective service occupations Food preparation and serving related occupations Building and grounds cleaning and maintenance occupations Personal care and service occupations | $\begin{array}{c} 20.87\\ 2.44\\ 2.06\\ 1.04\\ 1.67\\ 1.00\\ 6.21\\ 1.55\\ 4.91\\ 16.74\\ 2.36\\ 2.26\\ 5.85\\ 3.59\end{array}$ | .33 .26 .36 1.03 .27 5.25 1.40 2.08 34.73 4.20 1.67 15.64 7.26 | $\begin{array}{c} .77\\ .73\\ .52\\ 1.49\\ .51\\ 4.14\\ 1.03\\ 3.41\\ 19.16\\ 3.80\\ 2.30\\ 5.48\\ 4.73\end{array}$ | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 6.23 8.69 1.14 2.49 1.79 1.85 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 4.38 .29 2.58 .48 .54 |
| Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations Legal occupations Education, training, and library occupations Arts, design, entertainment, sports, and media occupations Healthcare practitioner and technical occupations Service occupations Healthcare support occupations Protective service occupations Food preparation and serving related occupations Building and grounds cleaning and maintenance occupations Personal care and service occupations | $\begin{array}{c} 20.87\\ 2.44\\ 2.06\\ 1.04\\ 1.67\\ 1.00\\ 6.21\\ 1.55\\ 4.91\\ 16.74\\ 2.36\\ 2.26\\ 5.85\\ 3.59\\ 2.68\end{array}$ | .33 .26 .36 1.03 .27 5.25 1.40 2.08 34.73 4.20 1.67 15.64 7.26 5.96 | .77 .73 .52 1.49 .51 4.14 1.03 3.41 19.16 3.80 2.30 5.48 4.73 2.85 | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 6.23 8.69 1.14 2.49 1.79 1.85 1.42 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 4.38 .29 2.58 .48 .54 .54 |
| Professional and related occupations | $\begin{array}{c} 20.87\\ 2.44\\ 2.06\\ 1.04\\ 1.67\\ 1.00\\ 6.21\\ 1.55\\ 4.91\\ 16.74\\ 2.36\\ 2.26\\ 5.85\\ 3.59\\ 2.68\\ 25.85\\ 10.83\\ 15.02\\ \end{array}$ | .33 .26 .36 1.03 .27 5.25 1.40 2.08 34.73 4.20 1.67 15.64 7.26 5.96 31.33 16.24 15.10 | $\begin{array}{c} .77\\ .73\\ .52\\ 1.49\\ .51\\ 4.14\\ 1.03\\ 3.41\\ 19.16\\ 3.80\\ 2.30\\ 5.48\\ 4.73\\ 2.85\\ 31.06\\ 9.02\\ 22.04 \end{array}$ | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 6.23 8.69 1.14 2.49 1.79 1.85 1.42 25.59 8.51 17.08 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 4.38 .29 2.58 .48 .54 .54 15.41 9.54 5.87 |
| Professional and related occupations | $\begin{array}{c} 20.87\\ 2.44\\ 2.06\\ 1.04\\ 1.67\\ 1.00\\ 6.21\\ 1.55\\ 4.91\\ 16.74\\ 2.36\\ 2.26\\ 5.85\\ 3.59\\ 2.68\\ 25.85\\ 10.83\\ 15.02\\ 10.25\\ \end{array}$ | $\begin{array}{r} .33\\ .26\\ .36\\ 1.03\\ .27\\ 5.25\\ 1.40\\ 2.08\\ 34.73\\ 4.20\\ 1.67\\ 15.64\\ 7.26\\ 5.96\\ 31.33\\ 16.24\\ 15.10\\ 6.53\end{array}$ | $\begin{array}{c} .77\\ .73\\ .52\\ 1.49\\ .51\\ 4.14\\ 1.03\\ 3.41\\ 19.16\\ 3.80\\ 2.30\\ 5.48\\ 4.73\\ 2.85\\ 31.06\\ 9.02\\ 22.04\\ 12.11\end{array}$ | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 6.23 8.69 1.14 2.49 1.79 1.85 1.42 25.59 8.51 17.08 13.28 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 4.38 .29 2.58 .48 .54 .54 .54 9.58 9.08 |
| Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations Legal occupations Education, training, and library occupations Arts, design, entertainment, sports, and media occupations Healthcare practitioner and technical occupations Service occupations Healthcare support occupations Protective service occupations Food preparation and serving related occupations Building and grounds cleaning and maintenance occupations Sales and office occupations Sales and office occupations Office and administrative support occupationsqq Natural resources, construction, and maintenance occupations Farming, fishing, and forestry occupations | $\begin{array}{c} 20.87\\ 2.44\\ 2.06\\ 1.04\\ 1.67\\ 1.00\\ 6.21\\ 1.55\\ 4.91\\ 16.74\\ 2.36\\ 2.26\\ 5.85\\ 3.59\\ 2.68\\ 25.85\\ 10.83\\ 15.02\\ 10.25\\ .71\\ \end{array}$ | $\begin{array}{r} .33\\ .26\\ .36\\ 1.03\\ .27\\ 5.25\\ 1.40\\ 2.08\\ 34.73\\ 4.20\\ 1.67\\ 15.64\\ 7.26\\ 5.96\\ 31.33\\ 16.24\\ 15.10\\ 6.53\\ 1.38\end{array}$ | $\begin{array}{r} .77\\ .73\\ .52\\ 1.49\\ .51\\ 4.14\\ 1.03\\ 3.41\\ 19.16\\ 3.80\\ 2.30\\ 5.48\\ 4.73\\ 2.85\\ 31.06\\ 9.02\\ 22.04\\ 12.11\\ 1.00\\ \end{array}$ | $\begin{array}{c} 2.26 \\ 1.98 \\ 1.23 \\ 2.29 \\ 1.03 \\ 7.47 \\ 1.68 \\ 6.23 \\ 8.69 \\ 1.14 \\ 2.49 \\ 1.79 \\ 1.85 \\ 1.42 \\ 25.59 \\ 8.51 \\ 17.08 \\ 13.28 \\ .35 \end{array}$ | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 4.38 .29 2.58 .48 .54 .54 .49 15.41 9.54 5.87 9.08 .14 |
| Professional and related occupations | $\begin{array}{c} 20.87\\ 2.44\\ 2.06\\ 1.04\\ 1.67\\ 1.00\\ 6.21\\ 1.55\\ 4.91\\ 16.74\\ 2.36\\ 2.26\\ 5.85\\ 3.59\\ 2.68\\ 25.85\\ 10.83\\ 15.02\\ 10.25\\ .71\\ 5.80\\ \end{array}$ | $\begin{array}{r} .33\\ .26\\ .36\\ 1.03\\ .27\\ 5.25\\ 1.40\\ 2.08\\ 34.73\\ 4.20\\ 1.67\\ 15.64\\ 7.26\\ 5.96\\ 31.33\\ 16.24\\ 15.10\\ 6.53\\ 1.38\\ 3.69\end{array}$ | $\begin{array}{c} .77\\ .73\\ .52\\ 1.49\\ .51\\ 4.14\\ 1.03\\ 3.41\\ 19.16\\ 3.80\\ 2.30\\ 5.48\\ 4.73\\ 2.85\\ 31.06\\ 9.02\\ 22.04\\ 12.11\\ 1.00\\ 7.46\end{array}$ | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 6.23 8.69 1.14 2.49 1.79 1.85 1.42 25.59 8.51 17.08 13.28 .35 7.20 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 4.38 .29 2.58 .48 .54 49 15.41 9.54 5.87 9.08 .14 4.83 |
| Professional and related occupations Computer and mathematical occupations Architecture and engineering occupations Life, physical, and social science occupations Community and social services occupations Legal occupations Education, training, and library occupations Arts, design, entertainment, sports, and media occupations Healthcare practitioner and technical occupations Protective service occupations Protective service occupations Building and grounds cleaning and maintenance occupations Sales and related occupations Sales and related occupations Office and administrative support occupations Office and administrative support occupations Sales and related occupations Office and administrative support occupations Farming, fishing, and forestry occupations Farming, fishing, and forestry occupations Installation, maintenance, and repair occupations | $\begin{array}{c} 20.87\\ 2.44\\ 2.06\\ 1.04\\ 1.67\\ 1.00\\ 6.21\\ 1.55\\ 4.91\\ 16.74\\ 2.36\\ 2.26\\ 5.85\\ 3.59\\ 2.68\\ 25.85\\ 10.83\\ 15.02\\ 10.25\\ .71\\ 5.80\\ 3.74 \end{array}$ | $\begin{array}{r} .33\\ .26\\ .36\\ 1.03\\ .27\\ 5.25\\ 1.40\\ 2.08\\ 34.73\\ 4.20\\ 1.67\\ 15.64\\ 7.26\\ 5.96\\ 31.33\\ 16.24\\ 15.10\\ 6.53\\ 1.38\\ 3.69\\ 1.47\end{array}$ | $\begin{array}{c} .77\\ .73\\ .52\\ 1.49\\ .51\\ 4.14\\ 1.03\\ 3.41\\ 19.16\\ 3.80\\ 2.30\\ 5.48\\ 4.73\\ 2.85\\ 31.06\\ 9.02\\ 22.04\\ 12.11\\ 1.00\\ 7.46\\ 3.66\end{array}$ | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 6.23 8.69 1.14 2.49 1.79 1.85 1.42 25.59 8.51 17.08 13.28 .35 7.20 5.74 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 4.38 .29 2.58 .48 .54 .49 15.41 9.54 5.87 9.08 .14 4.83 4.11 |
| Professional and related occupations | $\begin{array}{c} 20.87\\ 2.44\\ 2.06\\ 1.04\\ 1.67\\ 1.00\\ 6.21\\ 1.55\\ 4.91\\ 16.74\\ 2.36\\ 2.26\\ 5.85\\ 3.59\\ 2.68\\ 25.85\\ 10.83\\ 15.02\\ 10.25\\ .71\\ 5.80\\ 3.74\\ 13.62\\ \end{array}$ | $\begin{array}{r} .33\\ .26\\ .36\\ 1.03\\ .27\\ 5.25\\ 1.40\\ 2.08\\ 34.73\\ 4.20\\ 1.67\\ 15.64\\ 7.26\\ 5.96\\ 31.33\\ 16.24\\ 15.10\\ 6.53\\ 1.38\\ 3.69\\ 1.47\\ 13.24\end{array}$ | $\begin{array}{c} .77\\ .73\\ .52\\ 1.49\\ .51\\ 4.14\\ 1.03\\ 3.41\\ 19.16\\ 3.80\\ 2.30\\ 5.48\\ 4.73\\ 2.85\\ 31.06\\ 9.02\\ 22.04\\ 12.11\\ 1.00\\ 7.46\\ 3.66\\ 18.53\\ \end{array}$ | 2.26 1.98 1.23 2.29 1.03 7.47 1.68 6.23 8.69 1.14 2.49 1.79 1.85 1.42 25.59 8.51 17.08 13.28 .35 7.20 5.74 14.46 | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 4.38 .29 2.58 .48 .54 .49 15.41 9.54 5.87 9.08 .14 4.83 4.11 8.24 |
| Professional and related occupations | $\begin{array}{c} 20.87\\ 2.44\\ 2.06\\ 1.04\\ 1.67\\ 1.00\\ 6.21\\ 1.55\\ 4.91\\ 16.74\\ 2.36\\ 2.26\\ 5.85\\ 3.59\\ 2.68\\ 25.85\\ 10.83\\ 15.02\\ 10.25\\ .71\\ 5.80\\ 3.74 \end{array}$ | $\begin{array}{r} .33\\ .26\\ .36\\ 1.03\\ .27\\ 5.25\\ 1.40\\ 2.08\\ 34.73\\ 4.20\\ 1.67\\ 15.64\\ 7.26\\ 5.96\\ 31.33\\ 16.24\\ 15.10\\ 6.53\\ 1.38\\ 3.69\\ 1.47\end{array}$ | $\begin{array}{c} .77\\ .73\\ .52\\ 1.49\\ .51\\ 4.14\\ 1.03\\ 3.41\\ 19.16\\ 3.80\\ 2.30\\ 5.48\\ 4.73\\ 2.85\\ 31.06\\ 9.02\\ 22.04\\ 12.11\\ 1.00\\ 7.46\\ 3.66\end{array}$ | $\begin{array}{c} 2.26 \\ 1.98 \\ 1.23 \\ 2.29 \\ 1.03 \\ 7.47 \\ 1.68 \\ 6.23 \\ 8.69 \\ 1.14 \\ 2.49 \\ 1.79 \\ 1.85 \\ 1.42 \\ 25.59 \\ 8.51 \\ 17.08 \\ 13.28 \\ .35 \\ 7.20 \\ 5.74 \end{array}$ | 6.39 5.27 2.04 1.86 2.19 7.96 2.11 7.90 4.38 .29 2.58 .48 .54 .49 15.41 9.54 5.87 9.08 .14 4.83 4.11 |

Table 3.

Continued—Percent distribution of employed wage and salary workers by occupation and earnings quartile in 2000 and 2005 and change in the distribution from 2000 to 2005

| Occupation | Change in distribution, 2000–2005 | First quartile | Second quartile (median) | Third quartile | Highest quartile |
|--|---|-------------------|--------------------------------|-------------------|---------------------|
| Management, business, and financial operations occupations | .29 | 06 | .30 | .62 | .33 |
| Management occupations | .07 | 10 | .06 | .28 | .07 |
| Business and financial operations occupations | .22 | .04 | .25 | .35 | .25 |
| Professional and related occupations | .87 | .68 | .19 | 1.11 | 1.48 |
| Computer and mathematical occupations | 18 | 09 | 11 | 36 | 16 |
| Architecture and engineering occupations | 29 | 02 | 12 | 27 | 77 |
| Life, physical, and social science occupations | .13 | .03 | .01 | .16 | .31 |
| Community and social services occupations | .11 | .15 | .01 | .19 | .07 |
| Legal occupations | .07 | .01 | .01 | .09 | .16 |
| Education, training, and library occupations | .51 | .36 | .46 | .87 | .33 |
| Arts, design, entertainment, sports, and media occupations | .01 | .15 | 06 | .00 | 04 |
| Healthcare practitioner and technical occupations | .53 | .08 | .01 | .43 | 1.58 |
| Service occupations | 1.38 | 2.97 | 1.73 | .64 | .20 |
| Healthcare support occupations | .44 | .90 | .63 | .16 | .05 |
| Protective service occupations | .17 | .02 | .25 | .14 | .27 |
| Food preparation and serving related occupations | .47 | 1.44 | .23 | .20 | .00 |
| Building and grounds cleaning and maintenance occupations | .03 | .29 | .01 | 13 | 05 |
| Personal care and service occupations | .28 | .33 | .61 | .26 | 07 |
| Sales and office occupations | -1.18 | -2.43 | -1.59 | 88 | .17 |
| Sales and related occupations | .07 | 56 | .12 | .00 | .70 |
| Office and administrative support occupations | -1.25 | -1.86 | -1.70 | 89 | 53 |
| latural resources, construction, and maintenance occupations | .73 | .85 | 1.96 | .73 | 62 |
| Farming, fishing, and forestry occupations | 13 | 51 | .03 | .00 | .01 |
| Construction and extraction occupations | .73 | 1.20 | 1.68 | .44 | 42 |
| Installation, maintenance, and repair occupations | .13 | .16 | .27 | .31 | 21 |
| Production, transportation, and material moving occupations | -2.10 | -2.03 | -2.61 | -2.22 | -1.55 |
| Production occupations | -1.91 | -1.79 | -2.56 | -1.99 | -1.30 |
| Transportation and material moving occupations | 20 | 24 | 05 | 23 | 25 |

Additionally, employment rose in both financial activities and in public administration, with most of the net job growth paying more than the median wage. In contrast, employment growth in food services and drinking places was concentrated in the bottom earnings quartile, mirroring the growth in food preparation and serving related occupations.

Manufacturing employment has trended down for several decades, but the decline has been particularly sharp over the past 5 years. The decline of 3.3 million over that time period resulted in large employment declines of nearly 1 million each in the second, third, and highest earnings quartiles. Employment also declined by nearly a half million in the bottom earnings quartile.

As employment in the information sector fell over the period, that industry's share of employment declined in all quartiles, although disproportionately in jobs paying above the overall median. In fact, over the 5-year period, about threequarters of the total job loss in information occurred in the two highest earnings quartiles. (See tables 2 and 4.)

Gender differences

Despite being dramatically underrepresented in job categories that pay more than the overall median weekly wage, women contributed nearly all of the net employment growth above the median over the 5-year period from 2000 to 2005.⁴ Women actually accounted for nearly 1.7 million of the 1.9 million net increase in total employment that occurred above the overall median wage. In contrast, nearly all the net employment growth below the median occurred among men. (See tables 5 and 6.)

In the highest earnings quartile, women accounted for all of the net employment growth among management, business, and financial operations occupations and most of the net increase among professional and related occupations. On net, employment among men in the highest earnings quartile declined, primarily due to a large reduction in the number of production occupations. (See table 5.)

In the third earnings quartile, women and men each contributed roughly a half million to employment growth. Most of the increase for women occurred in professional and related occupations, while most of the increase among men occurred in natural resources, construction, and maintenance occupations. Employment declined for both men and women in production occupations.

Much of the employment increase below the median wage for men occurred in construction and extraction occupations and in low-wage food preparation and serving related occupations. Women accounted for large employment increases

Table 4. Percent distribution of employed wage and salary workers by industry and earnings quartile in 2000 and 2005 and change in the distribution from 2000 to 2005

| Industry | Employment distribution, 2000 | First quartile | Second quartile (median) | Third quartile | Highest quartile |
|---|-------------------------------------|-------------------|--------------------------------|-------------------|---------------------|
| | | | | | |
| Upper limit of earnings Total employed | 122,089 | \$303 30,519 | \$498 30,525 | \$782 30,521 | (1) 30,524 |
| Percent | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| Agriculture and related industries | 1.07 | 2.05 | 1.19 | .69 | .35 |
| Vining | .37 | .11 | .24 | .50 | .63 |
| Construction | 6.09 | 3.02 | 6.74 | 7.88 | 6.72 |
| Vanufacturing | 15.51 | 8.33 | 17.38 | 17.50 | 18.85 |
| Durable goods manufacturing | 9.84 | 4.22 | 10.70 | 11.53 | 12.93 |
| Nondurable goods manufacturing | 5.67 | 4.11 | 6.68 | 5.96 | 5.92 |
| Wholesale and retail trade | 14.74 | 21.97 | 15.41 | 12.20 | 9.38 |
| Wholesale trade | 3.02 | 2.08 | 3.30 | 3.54 | 3.17 |
| Retail trade | 11.71 | 19.89 | 12.11 | 8.66 | 6.21 |
| Fransportation and utilities | 5.69 | 3.07 | 4.94 | 7.28 | 7.46 |
| Transportation and warehousing | 4.63 | 2.80 | 4.22 | 6.08 | 5.43 |
| Utilities | 1.06 | .27 | .73 | 1.20 | 2.03 |
| nformation | 3.10 | 1.86 | 2.40 | 3.26 | 4.87 |
| Financial activities | 6.75 | 4.24 | 6.91 | 7.41 | 8.45 |
| Finance and insurance | 5.01 | 2.50 | 4.98 | 5.64 | 6.93 |
| Real estate and rental and leasing | 1.74 | 1.73 | 1.93 | 1.77 | 1.52 |
| Professional and business services | 8.92 | 7.23 | 8.39 | 8.23 | 11.83 |
| Professional and technical services | 5.37 | 2.49 | 3.64 | 5.36 | 9.99 |
| Management, administrative, and waste services | 3.55 | 4.74 20.82 | 4.75 | 2.87 | 1.84 |
| Education and health services | 20.23 | | 19.87 | 20.94 | 19.28 |
| Educational services | 8.99 | 8.92 | 6.75 | 9.74 | 10.56 |
| Health care and social assistance | 11.24 4.25 | 11.90 2.67 | 13.12 4.46 | 11.20 5.24 | 8.72 4.61 |
| Hospitals | 4.25 5.27 | 6.12 | 6.77 | 4.72 | 3.47 |
| Health services, except hospitals Social assistance | 1.72 | 3.12 | 1.90 | 1.23 | .64 |
| Leisure and hospitality | 8.37 | 18.51 | 8.31 | 4.16 | 2.50 |
| Arts, entertainment, and recreation | 1.69 | 2.84 | 1.76 | 1.20 | .96 |
| Accommodation and food services | 6.68 | 15.67 | 6.55 | 2.96 | 1.54 |
| Accommodations | 1.23 | 1.90 | 1.70 | .82 | .50 |
| Food services and drinking places | 5.45 | 13.76 | 4.85 | 2.14 | 1.04 |
| Other services | 4.20 | 6.75 | 4.06 | 3.43 | 2.57 |
| Other services, except private households | 3.62 | 5.09 | 3.63 | 3.26 | 2.51 |
| Repair and maintenance | 1.15 | 1.12 | 1.28 | 1.36 | .83 |
| Personal and laundry services | 1.05 | 2.01 | 1.15 | .68 | .36 |
| Membership associations and organizations | 1.42 | 1.95 | 1.20 | 1.22 | 1.32 |
| Other services, private households | .58 | 1.66 | .44 | .16 | .06 |
| Public administration | 4.95 | 2.04 | 4.17 | 6.52 | 7.08 |
| Industry | Employment distribution, 2005 | First quartile | Second quartile (median) | Third quartile | Highest quartile |
| Upper limit of earnings | | \$342 | \$577 | \$915 | (1) |
| Total employed | 125,889 | 31,470 | 31,473 | 31,473 | 31,474 |
| Percent | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| Agriculture and related industries | .85 | 1.46 | 1.05 | .60 | .30 |
| Nining | .48 | .09 | .36 | .59 | .88 |
| Construction | 6.76 | 4.02 | 8.40 | 8.28 | 6.34 |
| Manufacturing | 12.39 | 6.57 | 13.77 | 13.88 | 15.33 |
| Durable goods manufacturing | 7.86 | 3.40 | 8.50 | 9.03 | 10.53 |
| Nondurable goods manufacturing | 4.52 | 3.17 | 5.27 | 4.85 | 4.80 |
| Wholesale and retail trade | 15.17 | 21.51 | 16.07 | 12.75 | 10.36 |
| Wholesale trade | 3.20 | 1.70 | 3.40 | 3.78 | 3.91 |
| Retail trade | 11.97 | 19.81 | 12.67 | 8.96 | 6.44 |
| Transportation and utilities | 5.35 | 2.88 | 5.09 | 6.95 | 6.46 |
| Transportation and warehousing | 4.41 | 2.68 | 4.43 | 5.79 | 4.74 |
| Utilities | .94 | .20 | .66 | 1.16 | 1.71 |
| nformation | 2.48 | 1.66 | 1.95 | 2.52 | 3.78 |
| Financial activities | 7.03 | 3.95 | 6.82 | 7.84 | 9.49 |
| Finance and insurance Real estate and rental and leasing | 5.12 1.91 | 2.14 1.81 | 4.87 1.95 | 5.93 1.92 | 7.54 1.95 |
| | | | | | |

Table 4.

Continued—Percent distribution of employed wage and salary workers by industry and earnings quartile in 2000 and 2005 and change in the distribution from 2000 to 2005

| Industry | Employment distribution, 2005 | First quartile | Second quartile (median) | Third quartile | Highest quartile |
|---|---|---------------------------|--------------------------------|--------------------|---------------------|
| Professional and business services | 9.01 | 7.39 | 7.98 | 8.36 | 12.29 |
| Professional and technical services | 5.31 | 2.40 | 3.30 | 5.31 | 10.22 |
| Management, administrative, and waste services | 3.70 | 4.99 | 4.68 | 3.05 | 2.07 |
| Education and health services | 21.97 | 21.43 | 21.26 | 23.27 | 21.92 |
| Educational services | 9.50 | 8.94 | 7.11 | 10.83 | 11.12 |
| Health care and social assistance | 12.47 | 12.49 | 14.15 | 12.45 | 10.81 |
| Hospitals | 4.56 | 2.55 | 4.48 | 5.55 | 5.66 |
| Health services, except hospitals | 6.10 | 6.86 | 7.68 | 5.48 | 4.39 |
| Social assistance | 1.81 | 3.08 | 1.99 | 1.42 | .76 |
| eisure and hospitality | 8.82 | 20.14 | 8.17 | 4.44 | 2.53 |
| Arts, entertainment, and recreation | 1.79 | 3.00 | 1.80 | 1.42 | .94 |
| Accommodation and food services | 7.03 | 17.14 | 6.37 | 3.02 | 1.59 |
| Accommodations | 1.17 | 1.95 | 1.44 | .83 | .46 |
| Food services and drinking places | 5.86 | 15.19 | 4.93 | 2.19 | 1.13 |
| Other services | 4.47 | 6.94 | 4.73 | 3.71 | 2.50 |
| Other services, except private households | 3.84 | 5.22 | 4.12 | 3.56 | 2.45 |
| Repair and maintenance | 1.19 | 1.10 | 1.57 | 1.35 | .76 |
| Personal and laundry services | 1.11 | 2.14 | 1.27 | .74 | .31 |
| Membership associations and organizations | 1.53 | 1.99 | 1.28 | 1.48 | 1.38 |
| Other services, private households Public administration | .63 5.23 | 1.72 1.95 | .62 4.34 | .15 6.79 | .05 7.83 |
| | 5.25 | 1.85 | 4.54 | 0.79 | 7.03 |
| Industry | Change in distribution, 2000–2005 | First quartile | Second quartile (median) | Third quartile | Highest quartile |
| | 22 | 50 | 14 | 00 | 05 |
| Agriculture and related industries | 22 | 59 02 | 14 .12 | 09 .09 | 05 .25 |
| Construction | .67 | 1.02 | 1.66 | .40 | 38 |
| Aanufacturing | -3.12 | -1.76 | -3.61 | -3.62 | -3.52 |
| Durable goods manufacturing | -1.98 | 82 | -2.20 | -2.50 | -2.40 |
| Nondurable goods manufacturing | -1.15 | 94 | -1.41 | -1.11 | -1.12 |
| Vholesale and retail trade | .43 | 46 | .66 | .55 | .98 |
| Wholesale trade | .18 | 38 | .10 | .24 | .74 |
| Retail trade | .26 | 08 | .56 | .30 | .23 |
| ransportation and utilities | 34 | 19 | .15 | 33 | -1.00 |
| Transportation and warehousing | 22 | 12 | .21 | 29 | 69 |
| Utilities | 12 | 07 | 07 | 04 | 32 |
| nformation | 62 | 20 | 45 | 74 | -1.09 |
| inancial activities | .28 | 29 | 09 | .43 | 1.04 |
| Finance and insurance | .11 | 36 | 11 | .29 | .61 |
| Real estate and rental and leasing | .17 | .08 | .02 | .15 | .43 |
| Professional and business services | .09 | .16 | 41 | .13 | .46 |
| Professional and technical services | 06 | 09 | 34 | 05 | .23 |
| Management, administrative, and waste services | .15 | .25 | 07 | .18 | .23 |
| ducation and health services | 1.74 | .61 | 1.39 | 2.33 | 2.64 |
| Educational services | .51 | .02 | .36 | 1.09 | .56 |
| Health care and social assistance | 1.23 | .59 | 1.03 | 1.25 | 2.09 |
| Hospitals Health services, except hospitals | .31 .83 | –.12 .74 | .02 .91 | .31 .76 | .92 |
| Social assistance | .03 | 04 | .09 | .19 | .92 |
| eisure and hospitality | .09 | 1.63 | 14 | .28 | .03 |
| Arts, entertainment, and recreation | .10 | .16 | .04 | .20 | 02 |
| | .35 | 1.47 | 18 | .06 | .02 |
| Accommodation and food services | | .05 | 26 | .00 | 04 |
| Accommodation and food services | 00 | | .08 | .05 | .09 |
| Accommodation and food services Accommodations Food services and drinking places | 06 .41 | 1.43 | | | |
| Accommodations Food services and drinking places | | 1.43 .19 | .67 | .28 | 07 |
| Accommodations Food services and drinking places | .41 | | .67 .49 | .28 .30 | 07 |
| Accommodations Food services and drinking places ther services | .41 .27 | .19 | | | - |
| Accommodations Food services and drinking places Other services Other services, except private households | .41 .27 .22 | .19 .13 | .49 | .30 | 06 |
| Accommodations Food services and drinking places Other services Other services, except private households Repair and maintenance | .41 .27 .22 .04 | .19 .13 –.02 | .49 .29 | .30 –.01 | 06 07 |
| Accommodations Food services and drinking places Other services, except private households Repair and maintenance Personal and laundry services | .41 .27 .22 .04 .06 | .19 .13 –.02 .13 | .49 .29 .12 | .30 –.01 .06 | 06 07 05 |

 $^{1}\,\mbox{For reasons of confidentiality, the upper limit of earnings is not available in public use files.$

NOTE: Data may not sum to totals due to rounding.

Table 5. Change in wage and salary employment by occupation, sex, and earnings quartile, 2000 to 2005

| Occupation | Change in employment | First quartile | Second quartile (median) | Third quartile | Highest quartile |
|--|-------------------------|-------------------|--------------------------------|-------------------|---------------------|
| Men, total change | 1,806 | 682 | 903 | 419 | -201 |
| Management, business, and financial operations occupations | 177 | -16 | 43 | 189 | -38 |
| Management occupations | 89 | -19 | 12 | 140 | -43 |
| Business and financial operations occupations | 87 | 3 | 31 | 51 | 4 |
| Professional and related occupations | 431 | 82 | 110 | 93 | 145 |
| Computer and mathematical occupations | -7 | -20 | -13 | -25 | 53 |
| Architecture and engineering occupations | -250 | 0 | -27 | -44 | -179 |
| Life, physical, and social science occupations | 75 | -9 | 2 | 26 | 55 |
| Community and social services occupations | 61 | 16 | 22 | 22 | 2 |
| Legal occupations | 14 | -1 | 9 | -6 | 11 |
| Education, training, and library occupations | 281 | 71 | 78 | 76 | 55 |
| Arts, design, entertainment, sports, and media occupations | 27 | 17 | 5 | 8 | -2 |
| Healthcare practitioner and technical occupations | 231 | 8 | 35 | 35 | 152 |
| Service occupations | 728 | 408 | 174 | 84 | 62 |
| Healthcare support occupations | 96 | 51 | 45 | 2 | 0 |
| Protective service occupations | 148 | -22 | 42 | 43 | 85 |
| Food preparation and serving related occupations | 366 | 300 | 32 | 29 | 3 |
| Building and grounds cleaning and maintenance occupations | 14 | 45 35 | -10 | -7 | -13 |
| Personal care and service occupations | 103 249 | 35 48 | 65 72 | 16 17 | -13 111 |
| Sales and office occupations | 335 | 48 20 | 72 | 44 | 196 |
| Office and administrative support occupations | -86 | 20 | -2 | -27 | -86 |
| Vatural resources, construction, and maintenance occupations | 1,252 | 307 | 707 | 364 | -128 |
| Farming, fishing, and forestry occupations | -113 | -129 | 17 | -4 | -120 |
| Construction and extraction occupations | 1,068 | 379 | 568 | 204 | -82 |
| Installation, maintenance, and repair occupations | 296 | 57 | 122 | 164 | -47 |
| Production, transportation, and material moving occupations | -1,031 | -147 | -203 | -328 | -353 |
| Production occupations | -1,057 | -128 | -294 | -324 | -312 |
| Transportation and material moving occupations | 26 | -19 | 91 | -5 | -42 |
| Women, total change | 1,995 | 269 | 43 | 531 | 1,152 |
| Management, business, and financial operations occupations | 668 | 30 | 112 | 131 | 395 |
| Management occupations | 335 | 9 | 44 | 26 | 256 |
| Business and financial operations occupations | 333 | 21 | 68 | 105 | 138 |
| Professional and related occupations | 1,419 | 231 | 69 | 475 | 645 |
| Computer and mathematical occupations | -120 | -6 | -12 | -62 | -40 |
| Architecture and engineering occupations | -30 | -4 | -4 | -19 | -4 |
| Life, physical, and social science occupations | 119 | 22 | 5 | 34 | 59 |
| Community and social services occupations | 130 | 42 | -6 | 58 | 35 |
| Legal occupations | 107 | 7 | -2 | 42 | 60 |
| Education, training, and library occupations | 571 | 88 | 101 | 261 | 121 |
| Arts, design, entertainment, sports, and media occupations | 46 | 43 | -13 | 6 | 9 |
| Healthcare practitioner and technical occupations | 596 | 38 | -2 | 155 | 404 |
| Service occupations | 1,599 | 828 | 535 | 193 | 42 |
| Healthcare support occupations | 528 | 265 | 184 | 59 | 20 |
| Protective service occupations | 143 | 44 | 56 | 22 | 21 |
| Food preparation and serving related occupations | 428 | 287 | 92 | 48 | 3 |
| Building and grounds cleaning and maintenance occupations | 160 | 113 | 59 | -13 | 3 |
| Personal care and service occupations | 340 -707 | 121 489 | 146 262 | 77 -43 | -5 87 |
| Sales and related occupations | 156 | -489 -36 | -262 | -43 | 107 |
| Office and administrative support occupations | -863 | -30 -453 | 48 -310 | -79 | -20 |
| Vatural resources, construction, and maintenance occupations | -603 | -455 | -310 | -12 | -20 |
| Farming, fishing, and forestry occupations | -10 | -15 | -1 | 5 | 1 |
| Construction and extraction occupations | 38 | 22 | 15 | 0 | 0 |
| Installation, maintenance, and repair occupations | 6 | 7 | -6 | -18 | 23 |
| Production, transportation, and material moving occupations | -1,018 | -345 | -418 | -213 | -42 |
| Production occupations | -999 | -361 | -390 | -207 | -42 |
| Transportation and material moving occupations | -19 | 15 | -28 | -6 | 0 |

in service-related occupations that paid below the overall median wage as well; they also experienced substantial employment declines in sales occupations and in production occupations. Overall, job declines in production occupations

| Table | 6. |
|-------|----|
|-------|----|

Change in wage and salary employment by industry, sex, and earnings quartile, 2000 to 2005

| Industry | Change in employment | First quartile | Second quartile (median) | Third quartile | Highest quartile |
|---|----------------------|-------------------|--------------------------------|-------------------|---------------------|
| Men, total change | 1,804 | 683 | 903 | 422 | -201 |
| Agriculture and related industries | -186 | -148 | -14 | -10 | -13 |
| Mining | 136 | 3 | 31 | 32 | 72 |
| Construction | 977 | 308 | 564 | 177 | -72 |
| Manufacturing | -1,919 | -135 | -373 | -595 | -816 |
| Durable goods manufacturing | -1,224 | -36 | -231 | -391 | -566 |
| Nondurable goods manufacturing | -695 | -99 | -141 | -205 | -250 |
| Wholesale and retail trade Wholesale trade | 804 356 | 93 48 | 184 59 | 253 121 | 274 225 |
| Retail trade | 448 | 141 | 125 | 132 | 223 50 |
| Transportation and utilities | -147 | 17 | 78 | -17 | -224 |
| Transportation and warehousing | -56 | 21 | 89 | -20 | -146 |
| Utilities | -92 | -4 | -10 | 2 | -79 |
| nformation | -384 | -20 | -59 | 81 | -224 |
| Financial activities | 397 | 19 | 61 | 102 | 216 |
| Finance and insurance | 254 | -4 | 43 | 70 | 146 |
| Real estate and rental and leasing | 143 | 23 | 18 | 32 | 69 |
| Professional and business services | 377 | 57 | 74 | 91 | 155 |
| Professional and technical services | 78 | -13 | -28 | 12 | 107 |
| Management, administrative, and waste services | 300 | 70 | 101 | 79 | 48 |
| Education and health services | 815 | 88 | 203 | 264 | 261 |
| Educational services Health care and social assistance | 386 429 | 41 47 | 96 106 | 165 98 | 83 178 |
| Health care and social assistance | 144 | -19 | 48 | 98 27 | 88 |
| Health services, except hospitals | 231 | 30 | 40 51 | 64 | 86 |
| Social assistance | 54 | 35 | 8 | 6 | 5 |
| Leisure and hospitality | 487 | 392 | 14 | 50 | 31 |
| Arts, entertainment, and recreation | 93 | 51 | 23 | 17 | 2 |
| Accommodation and food services | 394 | 341 | -10 | 33 | 28 |
| Accommodations | -9 | 3 | -18 | 14 | 8 |
| Food services and drinking places | 402 | 338 | 8 | 21 | 37 |
| Other services | 201 | 31 | 106 | 70 | -7 |
| Other services, except private households | 199 | 46 | 93 | 69 | 8 |
| Repair and maintenance | 111 | 22 | 88 | 13 | -12 |
| Personal and laundry services | -12 | 8 31 | -1 | -7 62 | 4 |
| Membership associations and organizations Other services, private households | 99 2 | -14 | 6 13 | 62 1 | 0 |
| Public administration | 246 | -14 -22 | 35 | 87 | 145 |
| | - | | | - | |
| Women, total change | 1,996 | 271 | 45 | 532 | 1,150 |
| Agriculture and related industries | -46 | -18 | -19 | 8 | -1 |
| Mining | 17 | -7 | 10 | 0 | 13 |
| Construction | 99 | 36 | 25 | 22 | 16 |
| Manufacturing | -1,425 | -339 | -597 | -375 | -115 |
| Durable goods manufacturing | -893 | -181 | -359 | -287 | -65 |
| Nondurable goods manufacturing Wholesale and retail trade | -532 301 | -158 -27 | -238 171 | 88 36 | -49 102 |
| | | | | | 123 |
| Wholesale trade Retail trade | -22 323 | -52 25 | 3 168 | -10 46 | 38 84 |
| Transportation and utilities | -69 | -46 | 100 | 40 –18 | -21 |
| Transportation and warehousing | -47 | -32 | 20 | -15 | -20 |
| Utilities | -22 | -13 | -3 | -13 | -20 |
| Information | -279 | -25 | -60 | -122 | -73 |
| Financial activities | 205 | -68 | -22 | 105 | 190 |
| Finance and insurance | 70 | -85 | -30 | 73 | 112 |
| Real estate and rental and leasing | 135 | 17 | 8 | 32 | 78 |
| Professional and business services | 68 | 61 | -122 | 29 | 101 |
| Professional and technical services | 48 | 7 | -45 | 25 | 61 |
| Management, administrative, and waste services | 20 | 54 | -77 | 3 | 40 |
| Education and health services | 2,149 | 301 | 424 | 672 | 753 |
| Educational services | 595 | 52 | 81 | 270 | 192 |
| Health care and social assistance | 1,554 | 250 | 342 | 401 | 560 285 |
| Hospitals | 414 | 6 | 4 | 118 | 285 |

Table 6. Continued—Change in wage and salary employment by industry, sex, and earnings quartile, 2000 to 2005

| Industry | Change in employment | First quartile | Second quartile (median) | Third quartile | Highest quartile |
|---|----------------------|-------------------|--------------------------------|-------------------|---------------------|
| Health services, except hospitals | 1,015 | 261 | 300 | 218 | 235 |
| Social assistance | 126 | -17 | 38 | 65 | 40 |
| eisure and hospitality | 396 | 297 | 20 | 78 | 2 |
| Arts, entertainment, and recreation | 95 | 26 | 4 | 65 | 1 |
| Accommodation and food services | 301 | 271 | 15 | 12 | 2 |
| Accommodations | -20 | 28 | -48 | -3 | 3 |
| Food services and drinking places | 320 | 243 | 63 | 14 | 0 |
| Other services | 296 | 93 | 143 | 53 | 8 |
| Other services, except private households | 208 | 45 | 96 | 57 | 12 |
| Repair and maintenance | -11 | -20 | 16 | -4 | -4 |
| Personal and laundry services | 128 | 65 | 48 | 30 | -16 |
| Membership associations and organizations | 92 | -2 | 32 | 30 | 31 |
| Other services, private households | 87 | 48 | 47 | -3 | -4 |
| Public administration | 284 | 12 | 56 | 61 | 156 |

across all earnings quartiles were nearly equally split among men and women (1.1 million and 1.0 million, respectively), although a larger share of men's employment losses occurred at the higher end of the pay scale. (See table 5.)

By industry, employment in jobs that paid more than the overall median wage increased substantially among women in health care, educational services, and financial activities. In contrast, employment declined among women in manufacturing jobs across all earnings quartiles. Among men, employment growth occurred above the median in wholesale trade, financial activities, and, to a lesser extent, in educational services and in health care and social assistance. However, men incurred large employment declines in both manufacturing and information industry jobs with wages that were greater than the overall median wage. At the lower end of the pay scale (less than the median), men's employment increased in both construction and in leisure and hospitality. (See table 6.)

IN SUM, THIS ANALYSIS PROVIDES another means by which to

assess the quality of job growth. Employment by occupations and industries for 2000 and 2005 was stratified by earnings quartiles. Some of the more interesting findings indicated that women disproportionately benefited from strong employment growth in higher paying professional occupations and in higher paying jobs within health care, educational services, and financial activities. Employment declines in production occupations and in the manufacturing and information sectors were a drag on the labor market and were particularly acute among men in job categories that paid more than the median wage. Additionally, employment growth among men in construction and extraction occupations, as well as in the construction industry, proved to yield mostly lower paying job opportunities. Lastly, much of the employment increase in service occupations occurred at the lower end of the pay scale. Overall, examination of employment changes in occupations and industries by earnings quartiles offers alternative and informative insights into distinguishing higher paying "good" jobs from lower paying "bad" jobs.

Notes

¹ The CPS is a nationwide sample survey of approximately 60,000 households conducted for the Bureau of Labor Statistics by the U.S. Census Bureau. Employment and earnings data analyzed in this article are based on data collected from the outgoing rotation groups in the CPS sample. Each month, the CPS is administered to the sample households, divided into eight representative subsamples or rotation groups. A given rotation group is interviewed for a total of 8 months, divided into we qual periods. It is in the sample for 4 consecutive months, leaves the sample during the following 8 months, and then returns for another 4 consecutive months. In each monthly sample, one of the eight rotation groups is in the first month of enumeration; another rotation group is the second month, and so on.

Earnings data are collected from individuals whose households are in the 4th or 8th month of enumeration, often referred to as the Outgoing Rotation Groups or ORG files. Self-employed workers are excluded, regardless of whether their businesses are incorporated. For more information on the CPS, see Explanatory Notes and Estimates of Error in the BLS monthly publication *Employment and Earnings*.

² Data represent earnings before taxes and other deductions and include any overtime pay, commissions, or tips usually received (at the main job in the case of multiple jobholders). Since January 1994, respondents have been asked to identify the easiest way for them to report earnings (hourly, weekly, biweekly, twice monthly, monthly, annually, other) and how much they usually earn in the reported time period. Earnings reported on a basis other than weekly are converted to a weekly equivalent. The term "usual" is as perceived by the respondent. If the respondent asks for a definition of usual, inter-

viewers are instructed to define the term as more than half the weeks worked during the past 4 or 5 months.

³ The occupational and industry classifications presented in this analysis are based on the 2002 Census Bureau classification systems and are derived from, respectively, the 2000 Standard Occupational Classification (soc) system and the 2002 North American Industry Classification System (NAICS). The occupational classification assigns

codes to individuals according to their usual activities or duties on their job. The industry classification assigns codes to individuals according to the type of business or industry in which they are employed.

⁴ For more information on the distribution of employment by gender and earnings quartile, see "Women Still Underrepresented Among Highest Earners," *Issues in Labor Statistics*, Summary 06–03 (Bureau of Labor Statistics, March 2006).

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