Incidence benefits measures in the National Compensation Survey

For the first time, data from the National Compensation Survey allow comparisons between establishments offering health and retirement benefits and the rates at which employees have access to and participate in those benefits

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bout 60 percent to 70 percent of private industry employees had access to health insurance and retirement benefits and about half participated in them during 2003. Access and participation rates varied widely by the type of plan and by various employee and establishment characteristics. The availability of and participation in health insurance, retirement, and other benefits were both much higher among employees who were in full-time occupations, covered by union contracts, and who worked in large establishments and in metropolitan areas. New survey tabulations showed that availability and participation were also greater for higher-paid employees.

The percentage of employees with both access to benefits and participation in these benefits varied widely, from all employees in some instances to fewer than half in others. The survey did not study the reasons employees choose to participate or not to participate in various benefits. However, it is likely that the cost of the benefit to the employee is a determinant.

This article compares the four measures of incidence of employee benefits studied in the National Compensation Survey (NCS) benefits survey in private industry for 2003. The fact that an establishment offered benefits to some employees did not necessarily mean that all employees had access to such a benefit. Nevertheless, the percent of establishments offering benefits was often lower than the proportion of employees with access. This seeming paradox was generally true because large establishments are far more likely to offer benefits than smaller ones.

Measuring employee benefits

One of the problems in presenting data on employee benefits is how best to report on those benefits. This article largely addresses this issue and the different findings.

For wage and salary information, the NCS program generally obtains data for individual employees. This is done because there are often significant variations among individual employees in the rate of pay within the same occupation. However, employer-provided benefits do not vary in the same way.

For this discussion, employee benefits are classified as wage-related and nonwage-related. When benefits are wage-related, they are typically a percent of the salary or a fixed amount for each period (such as an hour) worked or paid. Wagerelated benefits are most typically paid vacations and holidays and legally required benefits such as Social Security. Nonwage-related benefits are those for which the employer pays a fixed amount that is not directly related to the employee's salary. Typical examples are health insurance plans and some retirement plans and nonproduction bonuses. However, in any given company, these general situations may not apply. For example, some union employees in the construction trades receive health and retirement benefits from a fund to which employers contribute a specific percentage of the employee's hourly earnings.

For wage-related benefits, the variation in *cost* may be significant, certainly a lot more than for benefits that are not wage-related. NCS does not

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provide data on variations in benefit costs among individual employees. However, for both types of plans, the variations in *incidence*, and the *provisions*¹ of those plans, are not likely to be as great as variations in costs. For example, it is typical for vacation schedules to differ by length of service, but not by salary or occupation. However, because of differences in wages and lengths of service, vacation costs to the employer will vary by employee.

The incidence and provisions of benefits that are nonwage related vary even less. For example, establishments that pay part of the cost of medical insurance frequently offer more than one plan to employees. In some companies, only one plan is offered and in others, typically larger employers, the company may provide a choice of plans. For all the employees participating in a plan, the provisions of the plan are the same. The cost that the employer pays will rarely vary among individual employees who choose the same coverage, or even among employees in different occupations. It is most likely the employer will pay the same amount for every employee who elects the same coverage, and the employer sometimes pays the same amount across differing plans.

Thus, it is reasonable to develop measures of employee benefits that relate to relatively large groups of workers. It is also of some value to determine what the policy of establishments is regarding benefits, because benefits often are the same for all employees within establishments. For the 2003 employee benefits survey, we provide four measures of the incidence of health and retirement benefits: establishment offerings, employee access, employee participation, and take-up rates. For health and retirement provisions, we limit information to participants.

Establishment offerings refer to the policy of individual establishments.² The estimates shown in table 1 are of establishments that offered health insurance or retirement plans—defined benefits or defined contribution³ to any of their employees. For this reason, table 1 is presented by establishment characteristics.

Employee access refers to establishment policy vis-à-vis specific groups of workers. The group of employees—all of the workers in a specific company occupation in the establishment—is considered to have access to a benefit if the benefit is offered to at least one of those employees. In determining access, provisions such as a 1-month service requirement before employees are eligible for coverage are ignored, as well as whether any employees within the occupation actually participate in the plan.

Employee participation refers to whether or not individual employees elect to be covered by a particular benefit. The respondents in the survey are asked to report the number of employees who elect to participate. For such benefits, then, the participation numbers are almost always lower than access numbers.

Take-up rate refers to the percent of workers with access who participate in the plan.

Table 1. Percent of establishments offering health and retirement benefits, and retiree health benefits, by establishment characteristics, private industry, National Compensation Survey, March 2003

Characteristic	Retirement benefits ¹	Defined benefit	Defined contribution	Health care benefits ²	Retiree health under age 65	Retiree health over age 65
All establishments	47	10	45	58	4	4
Establishment characteristics						
Goods-producing	45 47 45 88	11 10 9 38	42 46 44 82	60 57 56 95	4 5 4 19	4 4 3 15
Geographic areas						
Metropolitan areas Nonmetropolitan areas	51 32	10 9	49 31	60 51	5 3	4 3
New England	48 49 62 38 54 52 39 25 45	11 17 13 5 5 5 13 7	48 44 61 36 53 51 39 23 43	54 63 84 36 55 58 58 42 58	1 6 6 2 5 11 7 2	1 5 5 2 3 11 7 2

¹ Includes defined benefit pension plans and defined contribution retirement plans. The total is less than the sum of the individual items because many employees participated in both types of plans.

 $^{^{\}rm 2}$ Health care benefits may include a medical plan, or a separate dental, vision, or prescription drug plan.

As employee benefits—particularly health insurance and retirement plans—continue to be topics of interest, these measures can help shed light on trends. We can, for example, determine whether changes in health insurance coverage relate to fewer establishments offering such plans or from employees deciding not to participate.

Findings

Establishment offerings. In 2003, BLS provided data for establishment offerings for the first time⁴ in the employee benefits program. Table 1 shows that 47 percent of establishments in the study offered retirement plans to one or more active employees, and 58 percent of establishments offered health benefits. About 4 percent of the establishments offered the option of continuing health insurance into retirement to their active employees.

There are two major types of retirement plans: defined benefit and defined contribution. Table 1 shows that it is more than four times as likely (45 percent) for an establishment to offer a defined contribution plan as a defined benefit plan (10 percent). Access for defined contribution benefits were reported by 51 percent of the establishments and defined benefits were reported by 20 percent. (See table 2.) At one time, defined benefit plans were the norm for retirement. Changes in the economy and tax laws may have been contributing factors to the decline of defined benefit plans⁵ Though the survey did not collect information on establishment offerings until 2003, 15 years ago the survey

showed 42 percent of full-time private employees participated in defined benefit pension plans and 40 percent in defined contribution plans.⁶

Health care and retirement benefits for active employees varied little among goods-producing and service-producing industries. However, these benefits were more likely to be offered by establishments in metropolitan areas than by those in non-metropolitan areas and in establishments with at least 100 employees than those with fewer employees. Among regions, establishments in the East North Central region were most likely to offer health or retirement benefits and those in the West North Central and Mountain States, least likely.

The information on retiree health benefits is unique to table 1. Although NCs collects information on access to and participation in benefit plans for current employees, there is no such information for retirees. A small percentage of establishments allows current employees to participate in health insurance plans after retirement. Four percent of establishments provided this access to employees who retire before they turn 65 and four percent provided this access to employees 65 or older. For about half of the establishments providing such benefits, the employer contributed to retiree health insurance; for most of the remainder, the retiree paid the entire cost. In rare instances, employers paid the entire cost.

Retiree benefits did not vary much by various characteristics except that they were far more common in larger establishments than in smaller ones.

Characteristic	Total	Н	ealth insurance	1	Retirement plans ²				
	employees (millions)	Establishments offering	Employees with access	Employees participating	Establishments offering	Employees with access	Employees participating		
All employees	102.8	58	69	55	47	57	49		
Establishment characteristics									
Goods-producing	24.0	60	82	72	45	70	63		
Service-producing	78.9	57	66	50	47	53	45		
1–99 workers	55.3	56	58	43	45	42	35		
100 workers or more	47.6	95	83	69	88	75	65		
Geographic areas									
Metropolitan areas	88.4	60	70	56	51	58	50		
Nonmetropolitan areas	14.5	51	65	50	32	52	42		
New England	6.6	54	67	54	48	51	44		
Middle Atlantic	14.1	63	74	59	49	61	56		
East North Central	19.1	84	74	59	62	64	56		
West North Central	7.9	36	60	51	38	56	48		
South Atlantic	18.0	55	68	53	54	57	46		
East South Central	5.4	58	77	64	52	60	51		
West South Central	11.3	58	65	53	39	53	42		
Mountain	6.1	42	57	42	25	51	38		
Pacific	14.5	46	72	57	45	53	46		

Percent of establishments offering, percent of employees with access to and participating in health and

Table 2. Continued—Percent of establishments offering, percent of employees with access to and participating in health and retirement benefits, March 2003

		De	fined benefit pla	ns	Defined contribution plans				
Characteristic	Total Employees (millions)	Establishments offering	Employees with access	Employees participating	Establishments offering	Employees with access	Employees participating		
All employees	102.8	10	20	20	45	51	40		
Establishment characteristics									
Goods-producing Service-producing		11 10	31 17	31 16	42 46	60 48	49 37		
1–99 workers 100 workers or more	55.3 47.6	9 38	9 34	8 33	44 82	38 65	31 51		
Geographic areas									
Metropolitan areas Nonmetropolitan areas		10 9	21 15	21 14	49 31	51 47	41 36		
New England Middle Atlantic	14.1	11 17	16 30	15 30	48 44	44 49	37 43		
East North Central West North Central	19.1 7.9	13 5	24 22	23 21	61 36	56 47	46 37		
South Atlantic	18.0	5	17	16	53	53	40		
East South Central	5.4	5	14	14	51	59	46		
West South Central		13	18	18	39	49	35		
Mountain	6.1 14.5	7 12	12 20	10 20	23 43	47 46	34 37		

¹ Health insurance can be a medical, dental, prescription drug, or vision plan. "Access" in this table means the percent of employees in an occupation that has at least one health insurance plan. "Employees participating" refers to the health insurance type in any given occupation with the highest

participation. See endnote 7 in the text for details.

Offerings versus access and participation. When one compares establishment offerings with employee access and participation measures, the findings are somewhat surprising. The percent of establishments offering health insurance (58 percent) is almost identical to the percent of employees participating in health insurance (55 percent⁷). The percent of employees with access to health insurance is much higher at 69 percent. For retirement plans, 47 percent of the establishments in the survey offered them, 57 percent of the employees had access to them, and 49 percent of employees participated in them.

One would expect, other things being equal, that the percentage of employees with access would be no greater than establishment offerings. By definition, if an employee has access to a benefit, that establishment offers the benefit. In addition, participation would be somewhat lower than access for health and defined contribution benefits, because employees are often required to contribute to these plans. In contrast, employees are rarely required to contribute to defined benefit plans. Thus, access and participation would be about equal.

The dichotomy of big and large establishments largely explains this apparent paradox. Although almost half (46 percent) of employees covered by the survey work in establishments that have 100 workers or more, smaller establishments make up 96 percent of all establishments. About 95 percent of large

establishments offered health insurance. In these establishments, 83 percent of employees had access to health benefits and 69 percent participated. For smaller establishments, the numbers are: 56 percent offered health insurance, 58 percent of employees had access to it, and 43 percent of the employees participated.

For retirement plans, the three measures follow expected patterns within the two size groupings. For smaller establishments, 45 percent of the establishments offer a plan, 42 percent of the employees had access to it, and 35 percent of the employees participated. For establishments with at least 100 employees the values are 88 percent for establishment offerings, 75 employee access, and 65 percent for employee participation.

Defined benefit plans were far more common in larger establishments. In the 1–99 employees category, the values for establishment offerings, employee access, and employee participation were each just under 10 percent; for larger establishments, the values were 38, 34, and 33, respectively. Defined contribution plans were more common than defined benefit plans in both small and large establishments. In small establishments the percentages for offerings, access, and participation were 44, 38, and 31; for large establishments, the percentages were 82, 65, and 51.

² Includes defined benefit pension plans and defined contribution retirement plans. The total is less than the sum of the individual items because many employees participated in both types of plans.

Access versus participation. The survey design permits more detailed comparison of access and participation estimates. Unlike the establishment offering estimates, access and participation are both based on employment within an occupation. The only difference between the two types of estimates is that access estimates include all employees in an occupation, whereas participation estimates are limited to those who actually participate in the plan. For this reason, comparisons are made by employee as well as establishment characteristics. Participation estimates will normally be lower than, and never higher than access.

Table 3 presents access and participation rates for retirement and health benefits. In addition, it shows take-up rates, defined as the percent of employees with access who participate in the plans.⁸

In general, access and participation rates follow similar patterns. Access to and participation in benefits covered by the 2003 study tend to be higher for union employees, full-time employees, in metropolitan areas, and in goods producing industries than their opposites. Among regions, there tend to be slight variation. In general, the New England and Mountain regions had the lowest access and incidence rates and the Middle Atlantic, East North Central, and Pacific had the highest.

By contrast, take-up rates varied widely from access and participation rates. (These are discussed in the following sections.)

Retirement plans. About three-fifths of employees had access to one or more retirement plans. Defined contribution plans were by far more common. The overall take-up rate for retirement plans was 86 percent. For defined benefit plans, the take-up rate was 100 percent. In the private sector, almost all defined benefit plans are paid for entirely by the employer. For defined contribution plans, the overall take-up rate was still very high at 78 percent.

Access and participation rates were higher for full-time and union employees, for those in occupations averaging at least \$15 per hour, and those in larger establishments, in goods-producing industries, and in metropolitan areas. Take-up rates are also higher for these categories of employees. Thus, in addition to having more opportunity to participate in retirement plans, these employees are more likely to participate when offered.

By definition, savings and thrift plans—the most common of defined contribution plans—require employee contributions. The overall take-up rate for defined contribution plans was 78 percent, and generally fell in the 70- to 85-percent range for various categories of employees.

	Retirement benefits ¹												
Characteristic	All plans			D	efined benefit		Defined contribution						
	Access	Participation	Take-up ³	Access	Participation	Take-up ³	Access	Participation	Take-up ³				
All employees Worker characteristics	57	49	86	20	20	100	51	40	78				
White-collar occupationsBlue-collar occupations	67 59 28	59 50 21	88 85 75	23 24 8	22 24 7	96 100 88	62 49 23	51 38 16	82 78 70				
Full-time	67 24	58 18	87 75	24 8	24 8	100 100	60 21	48 14	80 67				
Union	86 54	83 45	97 83	74 15	72 15	97 100	45 51	39 40	87 78				
Average wage less than \$15 per hour Average wage \$15 per hour or higher	45 76	35 70	78 92	12 34	11 33	92 97	40 67	29 57	73 85				
Establishment characteristics													
Goods-producing Service-producing	70 53	63 45	90 85	31 17	31 16	100 94	60 48	49 37	82 77				
1–99 workers 100 workers or more	42 75	35 65	83 87	9 34	8 33	89 97	38 65	31 51	82 78				
Geographic areas													
Metropolitan areas Nonmetropolitan areas	58 52	50 42	86 81	21 15	21 14	100 93	51 47	41 36	80 77				
New England	51 61 64 56 57 60 53 51	44 56 56 48 46 51 42 38	86 92 88 86 81 85 79	16 30 24 22 17 14 18	15 30 23 21 16 14 18	94 100 96 95 94 100 100 83	44 49 56 47 53 59 49	37 43 46 37 40 46 35 34	84 88 82 79 75 78 71 72				

Continued—Percent of employees with access to and participating in retirement and health benefits and Table 3. take-up rates, March 2003

All employees 69 55 80 60 45 75 40 32 80 25 19 76 Worker characteristics White-collar occupations 76 62 82 82 65 50 77 47 37 79 28 21 78 Blue-collar occupations 42 27 64 38 22 58 22 15 68 15 9 66 Full-lime 84 68 81 73 56 77 49 40 82 30 23 77 Part-time 22 13 59 17 9 53 9 6 67 7 5 5 76 Nonunion 91 85 93 67 60 90 57 51 89 43 37 88 Average wage less than \$15 per hour or higher 58 42 72 51 35 69 30 22 73 18 12 66 Establishment characteristics Goods-producing 82 72 88 68 57 84 48 42 88 30 25 88 68 68 57 42 74 37 29 78 23 17 77 1–99 workers 58 43 74 49 36 73 27 21 78 15 11 73 Metropolitan areas 70 56 80 60 45 75 41 33 80 25 19 76 Nountropolitan areas 70 56 80 60 44 73 34 27 79 23 17 New England 67 54 81 66 43 77 55 39 32 22 17 79 23 17 New England 67 54 81 66 34 37 77 38 31 82 18 14 77 New England 67 54 81 66 34 37 77 38 31 82 18 14 77 New England 67 54 81 66 34 37 77 38 31 82 18 14 77 New England 67 54 81 66 34 37 77 38 31 82 21 17 77 New England 67 54 81 66 34 37 77 38 31 82 21 17 77 New England 74 59 80 62 47 76 42 34 81 22 17 79 East North Central 74 59 80 62 47 76 42 34 81 22 17 79 Rest South Central 74 59 80 62 47 76 42 34 81 22 17 79 East South Central 74 59 80 62 47 76 42 34 81 22 17 79 East South Central 77 64 83 77 53 74 47 77 79 39 30 28 77 East South Central 77 64 83 77 77 79 East South Central 77 64 83 77 79 39 30 87 79 39 32 87 East South Central 77 64 83 77 77 77 79 East South Central 77 64 83 77 77 77 77 77 77 79 East South Central 66 55 58 82 66 61 47 77 77 77 77 77 77 77 77 77 77 77 77							Heal	th plans²					
All employees	Characteristic		All plans		ı	Medical			Dental			Vision	
Worker characteristics White-collar occupations 76 62 82 65 50 77 47 37 79 28 21 75 Blue-collar occupations 76 63 83 64 51 80 40 33 83 25 20 80 Service occupations 42 27 64 38 22 58 22 15 68 15 9 60 Full-time 84 68 81 73 56 77 49 40 82 30 23 77 74 74 9 53 9 6 67 7 5 77 74 79 28 43 37 76 80 90 57 51 89 43 37 76 74 61 82 73 18 12 67 74 61 82 73 18 12 67 74 61 82 75 <th></th> <th>Access</th> <th></th> <th></th> <th>Access</th> <th></th> <th></th> <th>Access</th> <th></th> <th></th> <th>Access</th> <th></th> <th>Take- up³</th>		Access			Access			Access			Access		Take- up³
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White-collar occupations													
Blue-collar occupations		76	62	82	65	50	77	47	37	79	28	21	75
Service occupations 42 27 64 38 22 58 22 15 68 15 9 60 Full-time 84 68 81 73 56 77 49 40 82 30 23 77 Part-time 22 13 59 17 9 53 9 6 67 7 5 71 Union 91 85 93 67 60 90 57 51 89 43 37 78 Nonunion 67 52 78 59 44 75 38 30 79 23 17 72 Average wage less than \$15 per hour 58 42 72 51 35 69 30 22 73 18 12 60 Average wage \$15 per hour or higher 87 76 87 74 61 82 55 47 85 35 28 80									_	_			80
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Establishment characteristics Goods-producing		87	76	87	74	61	82	55	47	85	35	28	80
Characteristics 82 72 88 68 57 84 48 42 88 30 25 83 Service-producing 66 50 76 57 42 74 37 29 78 23 17 74 1-99 workers 58 43 74 49 36 73 27 21 78 15 11 73 100 workers or more 83 69 83 72 55 76 55 44 80 35 27 77 Geographic areas Metropolitan areas 70 56 80 60 45 75 41 33 80 25 19 76 Nommetropolitan areas 65 50 77 60 44 73 34 27 79 23 17 72 New England 67 54 81 56 43 77 38 31 82 <td>3</td> <td> 0.</td> <td></td> <td> 0.</td> <td></td> <td> •</td> <td> 02</td> <td>00</td> <td></td> <td></td> <td></td> <td></td> <td></td>	3	0.		0.		•	02	00					
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West South Central				_							_		
		1							_	_			
	Mountain	57	42	74	49	34	69	36	28	78	25	17	68
													83

¹ Includes defined benefit pension plans and defined contribution retirement plans. The total is less than the sum of the individual items because many employees participated in both types of plans.

Health insurance. Three-fifths of employees had access to medical insurance, and 45 percent participated, resulting in a take-up rate of 75 percent. As with retirement, access, participation, and take-up rates were generally higher for the types of employees indicated earlier. Although less commonly offered, vision had a take-up rate of 80 percent and dental insurance, 76

Take-up rates for health insurance were generally lower than those for retirement plans. Part of this may be due to the fact that employees sometimes are covered by plans provided by other family members.

Although the survey did not specifically study the reasons for participation in plans, it is reasonable to expect that one determinant might be the cost to the employee. BLS survey data show that for the last decade, employees have been increasingly required to contribute toward their medical insurance; average employee premiums for both single and family coverage have risen about 75 percent during this same period. One would expect that as the employee cost increases the likelihood of employees participating would decrease.¹⁰

Other benefits. Table 4 provides access, participation, and takeup rates for other studied benefits. Life insurance was offered to about one-half of employees in the survey, and almost all such employees participated. Life insurance is almost always entirely employer financed and is a relatively low cost to employers. In

² Health insurance can a medical, dental, prescription drug, or vision plan. "Access" under "All plans" means the percent of employees in an occupation that has at least one health insurance plan, and

[&]quot;Employees participating" refers to the health insurance type in any given occupation with the highest participation. See footnote 4 in the article for details.

³ The take-up rate is an estimate of the percentage of workers with access to a plan who participate in the plan. It is the rounded participation percentage divided by the rounded access percentage times 100.

	Life insurance			SI	ort-term disabi	ility	Long-term disability			
Characteristic	Access	Participation	Take-up	Access	Participation	Take-up	Access	Participation	Take-up	
All employees	50	47	94	39	37	95	30	28	93	
Worker characteristics										
White-collar occupations Blue-collar occupations Service occupations	56	54	96	41	40	98	42	40	95	
	53	50	94	45	44	98	21	20	95	
	29	25	86	21	20	95	11	10	91	
Full-time	61	59	97	46	45	98	38	36	95	
	11	9	82	13	12	92	5	4	80	
Union Nonunion Average wage less than	63	61	97	69	68	99	28	27	96	
	49	46	94	36	34	94	30	29	97	
\$15 per hour	40	37	93	29	27	93	17	16	94	
	65	64	98	53	52	98	50	49	98	
Establishment characteristics										
Goods-producing	61	58	95	56	54	96	30	29	97	
	47	44	94	33	32	97	30	28	93	
1–99 workers	36	33	92	28	26	93	20	18	90	
100 workers or more	66	64	97	52	50	96	42	40	95	
Geographic areas										
Metropolitan areas Nonmetropolitan areas	50	48	96	40	38	95	32	30	94	
	49	45	92	32	31	97	18	17	94	
New England	44 47 56 49 51 62 51 45 43	42 46 53 46 49 59 48 40	95 98 95 94 96 95 94 89	36 78 39 37 30 40 30 20	33 76 37 36 29 38 28 19	92 97 95 97 97 95 93 95 100	31 28 32 30 33 26 30 23 29	29 27 30 29 31 26 28 23 28	94 96 94 97 94 100 93 100 97	

the 2003 survey, 88 percent of life insurance participants were in plans paid for entirely by their employer. ¹¹ The cost per employee of life insurance was \$.04 per hour worked in March 2003, or 0.2 percent of total compensation. ¹² Availability of life insurance by establishment and occupational characteristics was similar to those for health insurance and retirement.

About two-fifths of employees had access to short-term disability insurance. ¹³ These plans provide pay in the event of an illness or injury not occurring on the job. Nearly all such employees participated in these plans. Like life insurance, short-term disability insurance is almost always employer financed. Variation among establishment and occupational characteristics was similar to other benefits, except that short-term disability was more common for white- and blue-collar workers than it was for service workers.

Long-term disability insurance, which provides payment to employees who sustain an injury or illness that prevents them from working for a long time or permanently, was available to about three-tenths of employees. This benefit, also, tends to be employer financed, and it experienced high take-up rates. For long-term disability insurance, union and nonunion employees had approximately equal access to benefits (28 percent for union employees and 30 percent for nonunion employees), as did employees in goods- and service-producing establishments (30 percent each). However, full-time workers were far more likely than part-time workers to have access to benefits (38 percent compared with 5 percent) and white-collar occupations had twice the access of blue-collar and four-times that of service occupations (42 percent for access, 21 percent for participation, and 11 percent for take-up).

For both short-term and long-term disability, participation was very high among those employees who were offered the plans. Take-up rates were 90 percent or more in nearly all establishment and occupational characteristic categories.

FOR THE FIRST TIME, BLS has provided information on establishments offering benefits and more detailed information on employee access and participation. When establishments offer benefits, it appears likely that most employees are automatically covered or will elect to participate. Although BLS did not study why employees choose to participate in benefits, the decision to participate may be related to whether the

employee contributes to the coverage, as evidenced by higher take-up rates for life insurance and defined benefit retirement than other plans, as well as the relationship between employee premiums and participation rates.

Notes

- ¹ Incidence in this article refers to the existence of a benefit paid for at least partially by the employer. Provisions are the characteristics of the benefit. For example, provisions for medical insurance include the amount the plan pays for hospitalization or whether or not the insured can use doctors outside the plan's network.
- ² An establishment in NCs is a single physical location where industrial activity is performed. Companies may consist of one or more establishments.
- ³ The survey covers two types of retirement: defined benefit and defined contribution. Defined benefit plans provide employees with guaranteed retirement benefits based on predetermined benefit formulas. Defined contribution plans are retirement plans that specify the level of employer contributions and place those contributions into individual employee accounts. For more complete definitions see National Compensation Survey: Employee Benefits in Private Industry in the United States, 2000, on the Internet at: http://www.bls.gov/ncs/ebs/sp/ **ebbl0019.pdf**, pages 54–57.
- ⁴ Some experimental data on this topic were published in 1995. See Michael Bucci and Robert Grant, "Employee-sponsored health insurance: what's offered; what's chosen?" Monthly Labor Review, October 1995, pages 38-44.
- ⁵ For more detailed information on declines in coverage for defined benefit plans, see William Wiatrowski's companion article in this issue, "Medical and retirement plan coverage: exploring the decline in recent years."
- ⁶ Glenn M. Grossman, "U.S. workers receive a wide range of employee benefits," Monthly Labor Review, September 1992, pp. 36-39. These data are for 1989-90.
- There is actually no precise number for health insurance participation available from the survey. For establishment offerings, the respondents were asked if the establishment offered "health insurance"—defined as either medical, dental, vision, or prescription drugs-to any employees. Participation information, however, was collected for each different type of plan, including for 8 percent of participants for whom the type of health insurance is unknown. In order to calculate a comparable participation estimate for health insurance, the following methodology was used. Within each occupation, the number of participants was summed for each type (for example, medical and dental). From among the types, the type with the largest sum was chosen. For example, if an occupation had three medical plans with 75 percent total participation and two dental plans with a total of 40 percent participation, the occupation was considered

- to have 75 percent participation in health insurance. Standard errors for these estimates have not been calculated. Consequently, none of the statistical inferences made from these calculations has been verified by a statistical test.
- ⁸ For the sake of clarity, take-up rates were calculated on the rounded percentages shown in table 3. If the calculations had been made with unrounded numbers, they would have differed somewhat. For example, the 100 percent take-up rate for defined benefits overall does not mean that all employees with access to these plans participated in them. Instead, the take-up rate using unrounded numbers would likely be close to 100, but not exactly 100 percent.
- ⁹ Health insurance analysis here is limited to three types of plans: medical, dental, and vision. The survey does not have overall health insurance access or participation data; instead data are available for specific plans. As reported in earlier publications, 10 percent had access and 8 percent participated in plans for which the type of health plan was not available. In a companion article in this issue, "New Statistics for health insurance from the National Compensation Survey" by Michael Lettau, participation for medical coverage is 51 percent and access is 69 percent. The higher numbers in the Lettau article from the earlier publications and this article result from imputing the 10 percent and 8 percent where the type of health plan was not available; that is, in the Lettau, article the category of "Health plan type not available" was eliminated as a separate category.
- 10 A regression analysis on this topic indicated that the cost of health insurance to the employee did tend to lower participation.
- 11 Seven percent of participants were in plans that required an employee contribution. Five percent of participants were in plans for which it was unknown whether or not employee contributions were required.
- ¹² See Employer Cost for Employee Compensation, March 2003, table 5, page 9, http://www.bls.gov/news.release/archives/ ecec_06112003.pdf. Cost per participant is not available, but based on the 50-percent participation rate, cost would probably fall in the range of \$.08 per hour.
- ¹³ In the Middle Atlantic region, 78 percent of employees had access to, and 76 percent participated in short-term disability insurance far more than any other region. In New Jersey and New York, employers are required to provide a certain level of short-term disability insurance.