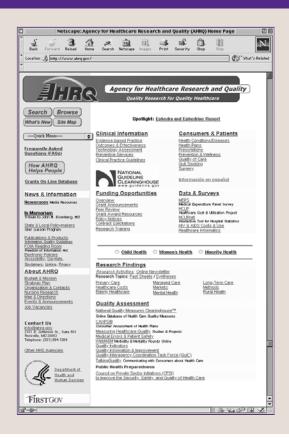
Estimation of Expenditures and Enrollments for Employer-Sponsored Health Insurance

MEPS ACCION CHOCO CON Report 14



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Abstract

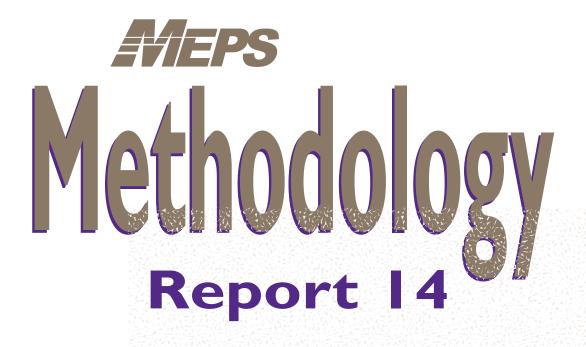
The Agency for Healthcare Research and Quality (AHRQ) conducts the Medical Expenditure Panel Survey (MEPS), a survey of health care use and spending. The MEPS Insurance Component (IC) is a survey of business establishments and governments in the United States. It is focused on employer-sponsored health insurance—by far the largest source of health insurance in the United States. Because of the size of expenditures for health insurance in the Nation and their high rate of increase, they are of great interest. This report gives details of the enrollment and expenditure estimation process in the IC. Parts of this process use very standard statistical estimates. Where the estimation process deviates from standard methods, more detail is provided. The report also discusses changes in the data collected and in the

estimators used that have taken place since the first IC survey year.

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Estimation of Expenditures and Enrollments for Employer-Sponsored Health Insurance





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Public Health Service
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The Medical Expenditure Panel Survey (MEPS)

Background

The Medical Expenditure Panel Survey (MEPS) is conducted to provide nationally representative estimates of health care use, expenditures, sources of payment, and insurance coverage for the U.S. civilian noninstitutionalized population. MEPS is cosponsored by the Agency for Healthcare Research and Quality (AHRQ), formerly the Agency for Health Care Policy and Research, and the National Center for Health Statistics (NCHS).

MEPS comprises three component surveys: the Household Component (HC), the Medical Provider Component (MPC), and the Insurance Component (IC). The HC is the core survey, and it forms the basis for the MPC sample and part of the IC sample. Together these surveys yield comprehensive data that provide national estimates of the level and distribution of health care use and expenditures, support health services research, and can be used to assess health care policy implications.

MEPS is the third in a series of national probability surveys conducted by AHRQ on the financing and use of medical care in the United States. The National Medical Care Expenditure Survey (NMCES) was conducted in 1977, the National Medical Expenditure Survey (NMES) in 1987. Beginning in 1996, MEPS continues this series with design enhancements and efficiencies that provide a more current data resource to capture the changing dynamics of the health care delivery and insurance system.

The design efficiencies incorporated into MEPS are in accordance with the Department of Health and Human Services (DHHS) Survey Integration Plan of June 1995, which focused on consolidating DHHS surveys, achieving cost efficiencies, reducing respondent burden, and enhancing analytical capacities. To accommodate these goals, new MEPS design features include linkage with the National Health Interview Survey (NHIS), from which the sample for the MEPS HC is drawn, and enhanced longitudinal data collection for core survey components. The MEPS HC augments NHIS by selecting a sample of NHIS respondents, collecting additional data on their health care expenditures, and linking these data with additional

information collected from the respondents' medical providers, employers, and insurance providers.

Household Component

The MEPS HC, a nationally representative survey of the U.S. civilian noninstitutionalized population, collects medical expenditure data at both the person and household levels. The HC collects detailed data on demographic characteristics, health conditions, health status, use of medical care services, charges and payments, access to care, satisfaction with care, health insurance coverage, income, and employment.

The HC uses an overlapping panel design in which data are collected through a preliminary contact followed by a series of five rounds of interviews over a 2½-y-year period. Using computer-assisted personal interviewing (CAPI) technology, data on medical expenditures and use for 2 calendar years are collected from each household. This series of data collection rounds is launched each subsequent year on a new sample of households to provide overlapping panels of survey data and, when combined with other ongoing panels, will provide continuous and current estimates of health care expenditures.

The sampling frame for the MEPS HC is drawn from respondents to NHIS, conducted by NCHS. NHIS provides a nationally representative sample of the U.S. civilian noninstitutionalized population, with oversampling of Hispanics and blacks.

Medical Provider Component

The MEPS MPC supplements and validates information on medical care events reported in the MEPS HC by contacting medical providers and pharmacies identified by household respondents. The MPC sample includes all hospitals, hospital physicians, home health agencies, and pharmacies reported in the HC. Also included in the MPC are all office-based physicians:

- Providing care for HC respondents receiving Medicaid.
- Associated with a 75-percent sample of households receiving care through an HMO (health maintenance organization) or managed care plan.



 Associated with a 25-percent sample of the remaining households.

Data are collected on medical and financial characteristics of medical and pharmacy events reported by HC respondents, including:

- Diagnoses coded according to ICD-9 (9th Revision, International Classification of Diseases) and DSM-IV (Fourth Edition, Diagnostic and Statistical Manual of Mental Disorders).
- Physician procedure codes classified by CPT-4 (Current Procedural Terminology, Version 4).
- Inpatient stay codes classified by DRG (diagnosis-related group).
- Prescriptions coded by national drug code (NDC), medication names, strength, and quantity dispensed.
- Charges, payments, and the reasons for any difference between charges and payments.

The MPC is conducted through telephone interviews and mailed survey materials.

Insurance Component

The MEPS IC collects data on health insurance plans obtained through private and public-sector employers. Data obtained in the IC include the number and types of private insurance plans offered, benefits associated with these plans, premiums, contributions by employers and employees, and employer characteristics.

Establishments participating in the MEPS IC are selected through three sampling frames:

- A list of employers or other insurance providers identified by MEPS HC respondents who report having private health insurance at the Round 1 interview.
- A Bureau of the Census list frame of private-sector business establishments.
- The Census of Governments from the Bureau of the Census.

To provide an integrated picture of health insurance, data collected from the first sampling frame (employers and other insurance providers) are linked back to data provided by the MEPS HC respondents. Data from the other three sampling frames are collected to provide annual national and State estimates of the supply of private health insurance available to American workers

and to evaluate policy issues pertaining to health insurance. Since 2000, the Bureau of Economic Analysis has used national estimates of employer contributions to group health insurance from the MEPS IC in the computation of Gross Domestic Product (GDP).

The MEPS IC is an annual panel survey. Data are collected from the selected organizations through a prescreening telephone interview, a mailed questionnaire, and a telephone followup for nonrespondents.

Survey Management

MEPS data are collected under the authority of the Public Health Service Act. They are edited and published in accordance with the confidentiality provisions of this act and the Privacy Act. NCHS provides consultation and technical assistance.

As soon as data collection and editing are completed, the MEPS survey data are released to the public in staged releases of summary reports and microdata files. Summary reports are released as printed documents and electronic files. Microdata files are released on CD-ROM and/or as electronic files.

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Estimation of Expenditures and Enrollments for Employer-Sponsored Health Insurance

by John Paul Sommers, Ph.D., Agency for Healthcare Research and Quality

Background

The Medical Expenditure Panel Survey (MEPS) Insurance Component (IC) is a survey of business establishments and governments in the United States. In this report, business establishments (specific places of business) are differentiated from firms, which are legal entities that can own one or many establishments. The survey has two samples, the list sample and household sample. The list sample is a random sample of business establishments and governments in the United States that employ at least one person besides the owner. The household sample is a sample of the employers of respondents from the MEPS Household Component (HC).

The focus of data collected for the IC is information on employer-sponsored health insurance. Employment sponsorship is by far the largest source of health insurance in the Nation. Among the data collected is information on enrollments, premiums, contributions, plan types, plan coverages, retiree coverage, and employer characteristics. The nature of selection of the two samples means that they have different purposes. The household sample data are linked back to other data for the HC respondent and can be used to analyze persons and their medical expenditure choices. The list sample is a nationally representative sample of a large percent of employers and can be used to make national, industry, State, and other levels of estimates of the characteristics of employer-sponsored health insurance (Sommers, 1999a).

A large number of tables of estimates are produced from the list sample (www.meps.ahrq.gov/mepsdata/icindex.htm). Most estimates are straightforward and require no explanation concerning how they are made. Weights that denote the number of establishments in the universe represented by the sampled establishment are created for each sample member in the list sample (Sommers 1999b). Most estimates are made using weighted sample sums and ratios of these sums using techniques described in Kish (1965). For instance, an

estimate of the percent of private-sector establishments that offer health insurance is the ratio of the sum of the weights of private-sector establishments that offer health insurance and the sum of the weights of all private-sector establishments: the estimate of the total number of establishments that offer health insurance divided by the estimate of the total number of establishments.

Estimates of total expenditures, enrollments, and contributions for employer-sponsored health insurance and their breakdown into groups (such as by industry, employer versus employee, and government versus private sector) constitute a set of key estimates made with IC data (www.meps.ahrq.gov/mepsdata/ icindex.htm). Because of the size of expenditures for health insurance in the Nation and the large percent represented by employer-sponsored health insurance, estimates of these expenditures are of great interest. In addition to their overall size, these estimates are of interest because of their rate of increase. Government agencies such as the Bureau of Economic Analysis need good data to produce such estimates as part of the production of important overall Gross Domestic Product estimates, used to monitor the economy of the United States (Interdepartmental Committee on Employment Related Health Insurance Surveys, 2000a).

This report gives details of the enrollment and expenditure estimation process. The parts of this process that use standard statistical estimation procedures such as those described above do not receive much discussion in this report. Where the estimation process deviates from standard methods, more detail is provided.

The report also discusses changes in the data collected and the estimators that have been used since the first IC survey year, 1996. Future changes will be reported in later reports in this series. Changes are made as a result of learning what data used to make enrollment and expenditure estimates are available from respondents and what resulting changes and compromises are required to produce estimates using the data that can be collected.



At the end of the report, selected estimates made using MEPS data are compared to estimates from other survey or administrative sources and conclusions are given.

Original Estimation Plan

The original plan for estimation of total employer-sponsored health insurance costs was intended to be simple. Employers were asked to provide total expenditures for health insurance for establishments in the sample. They were also asked to provide total enrollment related to each establishment: active, COBRA (optional extended coverage for former employees who have left the employer but are not retired), and retirees. National totals and subtotals for various populations were to be estimated using the weighted sum of establishment costs for health insurance or enrollees of the particular type for which an estimate was needed.

It was soon apparent that this original estimation plan was problematic. Among the reasons were the following.

- Large multi-site employers, which pay a large percentage of the costs, could not supply cost information at the establishment level because plans were offered over many establishments and data were not broken out by establishment. They could provide data only at the level that the bill was paid regional national, etc.
- Large multi-site employers do not keep retiree and COBRA information at the establishment level.
 Furthermore, there may be no establishment that corresponds to an individual retiree. Establishments move and close, so this link does not exist for all retirees. Thus, if a company did relate individual retirees to establishments, many retirees would be missed and national estimates would be low.
- The estimates made were very different from estimates that could be made from other sources.
 Although the other estimates were not of the highest quality, the IC estimates using the original method were too markedly different to be credible.

Because of these problems, other methods were developed to produce the weighted survey estimates. Questionnaires were changed between 1996 and 1998 to collect information that could support these estimates.

(Appendixes A and B show the 1996 and 1998 questionnaires.) In 1996 and 1997, interim estimation methods were used. This report describes the 1998 estimation methods and also discusses the interim methods used in 1996 and 1997.

Current Estimation for Active Employees

The estimation process is broken into four parts:

- · Hospital/physician coverage for active employees.
- Hospital/physician coverage for retirees.
- Hospital/physician coverage for former employees with COBRA coverage.
- Optional coverage, such as separate dental insurance.

This division occurred because it provides breakouts that are of concern to users and because the data available from respondents require it.

Aside from breaking estimation into parts, a new approach was developed that does not use totals of expenditures for each establishment, but instead builds these establishment totals when necessary.

The new process estimates hospital and physician coverage expenditures and enrollments for active employees at each business establishment or government as follows. Annual expenditure estimates for four items are made for each establishment: total family and single contributions for the year for employees at the establishment and total family and single contributions for the year for the employer at the establishment. Each estimate is made by taking the sum over all plans within the establishment or government of the enrollment for the type of coverage for each plan times the employer or employee annual contribution to the premium. Thus, if two plans are offered at an establishment or government, the total single employee contribution for that establishment or government is the sum across plans of the product of the single enrollment and single contribution reported for the individual plans.

These estimates assume a constant enrollment within the year at each establishment or government. The enrollment for the year is set at the time of collection, which is late summer. Contributions per enrollee are set based on the contribution in effect at that time. These assumptions tend to work rather well. Bureau of Labor Statistics monthly employment



estimates for the late summer tend to be close to the annual average (www.bls.gov/ces).

Furthermore, total employment for the IC is also poststratified, so enrollments are estimated using these values and the percent enrolled (Sommers, 1999b). Also, contributions are fixed by plan year, and most establishments' plan years run from January 1 to December 31, the estimation period.

Establishment and government values are weighted and summed to make national and subnational estimates. This was the original plan for all expenditure estimates. Here the method is applied to active employee expenditures and enrollments only. This method creates annual estimates that benchmark well to other available national totals. (Comparisons with other estimates are shown later in this report.)

This type of estimate was used for active employees, retirees, and those with COBRA coverage in 1996. However, because total single enrollment collected included all types of enrollees—active, COBRA, and retirees—which was not the case for later years (Appendixes A and B), no single enrollment for active employment was collected. Thus, for 1996 this value was calculated by taking the percentage of all enrollees that were single enrollees and applying it to total active enrollees to obtain active single enrollees.

Estimates for Retirees

The primary reason for changing the original estimation methods was that there were problems with collection of data on retirees. Data for retirees are not associated with establishments (specific locations) but instead are available at the level of the firm (a legal entity that can own multiple establishments). This is a common problem in business surveys. The sampling unit must be chosen carefully to accurately reflect how data are collected and to allow the production of the estimates required. Sometimes not all data can be collected for the same unit, so special estimation methods are needed (Sommers, 2000).

In the case of the IC and retirees, the sampling unit is the establishment but the reporting unit now used for retiree information is the firm. Data on the total number of single and married retirees enrolled with the entire firm, along with average contributions for the most common plan, are currently collected. (See

questionnaire in Appendix B.) This change was made for data collected for calendar year 1998 and beyond.

Since only establishment weights are created for the IC, it is necessary to convert firm-level information on retiree enrollments to establishment-level information. If this is done, the contributions reported at the firm level can be used to build establishment-level expenditures and produce estimates in the same manner as for active enrollees.

To carry out this estimation procedure, a simple proration method is used. Each firm on the frame and establishment linked to that firm has a frame value for total establishment and firm employment. This means that if the proportion of firm employment for each establishment on the frame is calculated, the sum of these proportions across the establishments in the firm adds to 1. Under these conditions, the weighted sum of the prorated enrollments is an unbiased estimate of total retiree enrollments (Sommers, 2000). Under the same assumptions used for active expenditures, this prorated enrollment can be multiplied by an average plan contribution to create a prorated total contribution for the establishment, and the weighted sum over the entire sample of establishments of these prorated contributions gives a national estimate of total retiree contributions. For example, if a firm has 1,000 retirees and 10,000 employees, then an establishment within the firm with 500 employees would be allocated 50 = 1,000(500/10,000) retirees for estimation purposes.

Estimates for subtotals across a subset of establishments are obtained using the weighted sum of a similar subset from the sample. An example would be estimates made for each industry. There is an exception: currently, no information is collected about whether retiree plans are purchased or self-insured (where the employer pays medical costs directly). To make estimates that break expenditures and enrollees into these two types of plans, retiree enrollees are prorated using the percentage of active enrollees at the establishment in each type of plan.

As mentioned previously, the new method of estimation for retirees was adopted beginning in 1998. Before 1998, respondents were asked to report retirees at the establishment level. Retirees were grouped into family or single coverage using the percent of all enrollees who had single coverage. Estimates were made using weighted sums of these establishment-level values. There was no requirement for an adjustment of

MEPS

firm-level information to the establishment level, as was done for the 1998 results. The change in methods had a significant effect on the estimated number of retirees with health insurance and the total expenditures for retiree health insurance. In 1996 and 1997, using the direct estimator, the total national estimate of privatesector retirees with health insurance through their former job was about 3.1 million. With the new estimator, the number for 1998 jumped to 5.7 million, with a corresponding increase in expenditures. Although the reporting problems associated with the 1996-97 method were well known, efforts were made to verify that the increase was caused by a change of estimators. This proved to be a somewhat difficult task, as no independent reliable estimates of numbers of retirees enrolled in employer-sponsored health insurance plans could be found. However, analysis of certain weighted and unweighted numbers provided evidence that the results for 1996 and 1997 were low.

The estimates of total enrollees for the private sector changed dramatically, from about 3.1 million for 1996-97 to 5.7 million for 1998. Analysis of the total reported number of retirees for the largest 500 firms in the sample shows that 3.1 million is likely too low a result. In 1998, the first year this information was collected, these firms reported approximately 2.5 million retired enrollees. Less than half of the employees who worked in establishments that offered health insurance were represented by this group of firms. Assuming that other establishments that offer health insurance to retirees have a similar ratio of retirees with health insurance to active employees gives an estimate of over 5 million retirees with employersponsored health insurance. Moreover, the fact that the top companies in the sample, which represent less than a quarter of the total employment, report retiree enrollment almost as large as the MEPS estimates for 1996 and 1997 makes a compelling argument that the higher estimate for 1998 is a better estimate.

The effect of this change on total annual expenditures for 1996 and 1997 is \$8-\$10 billion. This change will be discussed in terms of the overall national estimates of expenditures for employer-sponsored health insurance later in this report when IC estimates are compared with other results.

In comparison to private-sector enrollment, the estimates of retiree enrollment for State and local governments are similar for all three years (1996-98),

which seems reasonable since in MEPS, governments are asked to report for the entire government, so the problem of site (establishment) and controlling entity (firm) does not exist. Government-wide reporting is similar to private-sector reporting at the firm level. Collection at this level was possible because State and local governments fall entirely within single States; thus, there was no need to gather data by location in order to make State estimates.

COBRA Estimates

COBRA is coverage under laws for continuation of benefits. It is a small portion of the total employersponsored health insurance market. Like retirees, COBRA enrollees were part of total reported enrollments in 1996. This enrollment was divided into family and single using the percent of single coverage for all enrollees, the same method used for active and retiree enrollments. In 1997, COBRA enrollment was separate from the totals. Currently, the weighted sums method used for values for active employees is also used for COBRA enrollees. Estimates for family premiums are done in a similar manner. Since no data on breaks in single enrollment are collected for COBRA coverage, the percent of people with COBRA single coverage is assumed to be the same as the percent of active enrollment for the same plan at the establishment. Also, it is assumed that all contributions for COBRA coverage are made by the enrollee.

Optional Coverage

Some employers offer coverage for single items, such as vision or dental care, as an optional coverage. An employee can enroll in these plans separately from the more standard hospital/physician coverage normally offered. Expenditures for this coverage are estimated by obtaining the total employer costs for this coverage at the establishment and taking a weighted sum of these establishment totals over the sample. This method parallels the method that was originally intended for costs of hospital/physician coverage.

However, this original estimation method was not abandoned for estimates of costs of optional coverage. Several factors prevented the change for optional coverage:



- Very little is known about the levels of premiums, so it is difficult to evaluate results.
- Optional coverage is only a very small portion of employer health insurance expenditures; thus, a major change in estimation method may have little effect on total expenditure estimates.
- A single employer may offer many plan types. To request enrollment and premiums for each plan type may increase respondent burden without a major payback in the quality of estimates.

Steps have been taken to improve the estimates through changes in the questionnaire. Many hospital/physician plans include coverage for items, such as dental care, that are obtained through a special thirdparty plan. For instance, a health maintenance organization such as Kaiser Permanente runs its own medical clinics but provides dental coverage by subcontract to a specialized dental provider. This can also occur with self-insured plans, where the employer pays for medical costs directly. Such self-insured plans can choose to obtain dental coverage by buying a separate dental plan. In 1996, some employers reported optional plans, which could only be obtained as part of their medical plan, as optional coverage. However, they also included the plan premiums in the premiums for the main hospitalization coverage. Thus, some expenditures were double-counted in the national estimates.

Because of this problem, the questionnaire was changed in 1997 and better instructions given to respondents (Appendixes A and B). The estimate for optional coverage expenditures dropped from approximately \$12 billion in 1996 to \$8 billion in 1997. The estimate for 1998 was \$10 billion. At the same time, the number of employers reporting optional dental or prescription coverage in 1997 and 1998 was lower than the number reporting these types of coverage in 1996. Since these are the two most common types of coverage included in hospital/physician coverage to be subcontracted, it appears that the change in the questionnaire had the desired effect and that the estimates of employers reporting this optional coverage were more accurate.

Benchmark Comparisons

Efforts were made to evaluate results produced by the IC (Interdepartmental Committee on Employment Related Health Insurance Surveys, 2000b). In this section, selected examples of these comparisons are given. Because the IC is unique, no single comparable survey or set of comparable results is available. Thus, individual estimates from the IC are compared to estimates from a variety of specific sources.

Table 1 compares the MEPS IC estimate of the percent contributed by individuals in the private sector for single coverage with estimates from the 1993 National Employer Health Insurance Survey, or NEHIS (National Center for Health Statistics, 2002; Westat, 1994) and the 1999 Employer Health Benefits Survey, funded by the Kaiser Family Foundation (Levitt, Lundy, Hoffman, et al., 1999). Values are generally within statistical error when considering error from the IC alone. (Errors are not available for any of the other estimates used for comparison in this report.) Although the sample years are different, under the assumption that percent contributions are relatively stable across years, the three surveys seem to agree among themselves.

Table 2 compares the percent of private-sector employees enrolled in employment-related health insurance by industry as estimated by the 1993 NEHIS; the 1997 MEPS IC; and the 1996-97 Employee Benefits Survey (EBS), conducted by the Bureau of Labor Statistics (Interdepartmental Committee on Employment Related Health Insurance Surveys, 2000b). As with percent contributions, most of the estimates fall into line with each other when the likely standard error is considered. Estimates for the construction industry group appear to be different. However, the sample size for construction in the EBS is small, so there could be a large standard error associated with that estimate.

Table 3 shows single premiums by industry for the 1993 NEHIS and the 1997 MEPS IC. Although one would expect some price change over this period of time, the general size and order of size of the premiums by industry are well correlated.

Other available individual comparisons of IC results with data from other sources show similar results. The total expenditure values for health insurance for the entire United States are of particular interest. Table 4 shows estimates based on the MEPS IC along with official estimates produced by the Centers for Medicare & Medicaid Services, or CMS (formerly the Health Care Financing Administration). The CMS results are produced using data from industry, administrative records, and surveys (Centers for Medicare & Medicaid

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Services, 2002). Three estimates are produced, and then a final value is selected after judging their results. No error interval is given with these results, nor is any evaluation of past results given. The three results can vary among themselves by 5 percent or more within a single year. Considering the IC sampling error and the variability of the other three results in past years, the results seem to track rather well.

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Table I. Percent of total premium for single health insurance coverage paid by employee for employer-sponsored insurance among private-sector employees: United States

	Survey				
	1993 National Employer	73 National Employer I 999 Employer Health Insurance Health Benefits Survey estimate Survey estimate	1997 Medical Expenditure Panel Survey Insurance Component		
Industry			Estimate	Standard error	
Total	15.1	16	15.6	0.52	
Construction	17.0	13	15.6	1.71	
Manufacturing	13.6	12	14.1	0.62	
Transportation	10.4	H H	11.0	0.92	
Wholesale trade	15.4	13	15.0	1.48	
Retail trade	23.0	26	22.6	1.39	
Finance	15.4	16	16.6	1.15	
Services	14.7	21	14.6	0.80	

Sources: National Employer Health Insurance Survey—www.cdc.gov/nchs/about/major/nehis/meps_ic.htm#national%20data (accessed Nov. 8, 2002); Employer Health Benefits Survey—Levitt L, Lundy L, Hoffman C, et al. Employer health benefits: 1999 Annual Survey. Chicago: Health Research and Educational Trust Cat. Number 097591; Medical Expenditure Panel Survey—www.meps.ahrq.gov (accessed Nov. 8, 2002).

Table 2. Percent of all private-sector employees enrolled in employer-sponsored health insurance: United States

	Survey					
Industry	1993 National Employer	1996-97 Employer	1997 Medical Expenditure Panel Survey Insurance Component			
	Survey estimate	Health Insurance Health Benefits Survey estimate Survey estimate		Standard error		
Total	57.5	57	57.2	0.43		
Construction	42.4	61	44.3	1.22		
Manufacturing	78.3	79	78.6	0.35		
Transportation	72.5	73	75. I	1.24		
Wholesale trade	67.5	73	71.7	1.18		
Retail trade	34.3	32	36.8	0.68		
Finance	67.9	75	70.5	0.99		
Services	53.7	51	52.5	0.68		

Sources: National Employer Health Insurance Survey—www.cdc.gov/nchs/about/major/nehis/meps_ic.htm#national%20data (accessed Nov. 8, 2002); Employee Benefits Survey—Interdepartmental Committee on Employment Related Health Insurance Surveys. Draft report: Data Evaluation Subcommittee [unpublished report]. Washington; Oct. 2000; Medical Expenditure Panel Survey—www.meps.ahrq.gov (accessed Nov. 8, 2002).



Table 3. Average annual premium for single health insurance coverage for employer-sponsored insurance among private-sector employees: United States

	Survey			
	1002 N 15 11 . 11	1997 Medical Expenditure Panel Survey Insurance Component		
Industry	1993 National Employer Health Insurance Survey estimate	Estimate	Standard error	
Total	\$2,069	\$2,051	\$20	
Construction	1,924	1,931	45	
Manufacturing	2,017	1,919	28	
Transportation	2,271	2,199	106	
Wholesale trade	1,980	2,088	49	
Retail trade	1,868	1,843	29	
Finance	2,195	2,122	25	
Services	2,118	2,134	32	

Sources: National Employer Health Insurance Survey—www.cdc.gov/nchs/about/major/nehis/meps_ic.htm#national%20data (accessed Nov. 8, 2002); Medical Expenditure Panel Survey—www.meps.ahrq.gov (accessed Nov. 8, 2002).

Table 4. Total annual health insurance premiums for employer-sponsored insurance for private-sector employees: United States

Survey	1996	1997	1998
		Billions of dollars	
Centers for Medicare & Medicaid Services	\$344.8	\$359.4	\$383.2
Medical Expenditure Panel Survey Insurance Component:			
Estimate	346.4	347.7	392.8
Standard error	7.8	7.8	8.6

Sources: Center for Medicare & Medicaid Services—www.cms.hhs.gov/statistics/nhe/default.asp#business (accessed Nov. 8, 2002); Medical Expenditure Panel Survey—www.meps.ahrq.gov (accessed Nov. 8, 2002).



Appendix A

1996 Insurance Component Questionnaire



MEPS-10 SE DEPWINE AT OF COMMENCE RESIDENCE TO SOME ASSET OF RESIDENCE RESIDENCE TO SOME ASSET OF RESIDENCE	
MEDICAL EXPENDITURE PANEL SURVEY (INSURANCE COMPONENT)	
(INSURANCE COMPONENT)	
ESTABLISHMENT QUESTIONNAIRE	
RETURN Distance of the Common TO Jeffersonnille, NY 47122-0001	
If you have any questions concerning this survey, please call.	Please covered occurs in name, antidress, and ZP Code ENTER number and about if not allower.
An HMO and a conventional plan offered to If your correquely operates at more than one otherwise directed. Count owners and officers as employees with the other employees at this location.	the name insurance company count as two plans. by the name insurance company count as two plans. boution, provide information for the leastion on the label union to the excellenest questions if they were eligible for soverage along.
family size, use a family of four. If cost our workers.	ion by age, provide the information for the average age of your
	e time information receivity services. I inscheded July 1, 1996 for characteristics such as coverage, as is so costs, should be for extender year 1996, if possible, or for the
Section	A - NUMBER OF PLANS
A1. Did you make evaluable or contribute to the roat of reference on July 1, 1992 the instructions 1-6 also	of any health insurance plans. For your enquiryees or not for a description of health insurance plans.
or (Over g	: the- If No, ye to Section D on page 5.



B1. On July 1, 1995, what was the name of the health insurance B5				
prior with the highest enrollment and its corrier? If you have resolved Bogstemental Sheets Force MSPS 1005 is with plan runnes proprieted in Cascalion S1, ensurer only for the proprieted plans. Offstrans, provide dids for your 4 largest plans. You may make a copy of the Sugglemental Sheet, or Saction S of the time, if necessary.	Eyster this out-disinfarment's testal annual court of coverage for this plan for this plan poor that included July 1, 1994. Include: claims pool, admissistrative codes, and stop hose soverage (if any), include amployer and employee anotherance. If this is the only plan poor offered, also more this amount in Countries CT or page 4. S on in Countries CT or page 4.			
FOR CENSUS USE ONLY				
YY Name of star-	d. Enter the recentily premium equivalents for the COSPA amount if premium equivalents were not soliculated) for single and tendly lot four coverage for a topical folicine employee, include the costs settend in USc. Also enter this information in Guestian ETTs.			
- reason or just	salngful and 811b (Samily) - Total premium on page 2.			
Name of insurance corrier	S 60 Single coverage			
B2. Indicate the type of providers in this plan.	2 60 Family coverage			
provides secoclated with the plus except in an amergency. There is typically no cost or a small fixed cost for each physician visit. (For example, MMO, WAs, EPOs)	In the arrange separation? I A premium equipalent? I A COSSA pressure?			
Any providers - Enrollous can go to the physicians of their choice on a fee for service basis. The plan does not have any associated providers. For	If self-insured, go to Question \$7.			
Mixture of preferred and any providers - Encolose can go to a set of "preferred" providers associated with the plan, or providers of their should. If they go to a non-preferred provider,	B6. Was this plan parchased through a pooling errangement with other employers such as a multi-employer triod (MET) or a multi-employer emitters emangement (MENA)? 111 □ Yes 2□No.			
they face higher costs. (For example, PPOs, POSs) B7	. Was this plan operated by a -			
B3. Did this plan require that the enrolline one a primary core physician in order to be referred to a specialist?	*** (Disting : Trude Association g : Distalbur			
	turne of union or theile association. The Local marriture, of a union			
B4. Indicate the type of indomedication of this plan.	perse of insurance representative			
+ Purchased from an inverse preference company Coverage is purchased from an inverse, company				
arches redui operan.	ddress (Number and street)			
If purchased, go to Question \$6.	MINESCHI COLL EVEL			
Self-innured - Your company pays the claims from the resources and may charge a premium to angity-sea. The plan may be admissioned by a shirt	Ny 119 State 111 ZIP Code			
	dagtere market			
For self-inversel state only				
B5+. Indicate if you administered the plan or if you employed a third party.	Cirl any constitue receive a direct subsidy or contribution towards any part of the premium ing., From a union or government?			
1 Self-ubranishered □ Neutranse company or other administrator	≔ ₁□Vee :□Ne			
b. Did you purchase stop-loss coverage?				
or c to ten c to No	Enter's numeric response in.g., Jan = PE, May = PE. Manth			



Control No.

Sestion B - PLAN CHARA	CTERISTICS - Continued
B10a. For this plan, enter the total runnium of sombons excluding dependents for this establishment on July 1, 1996.	B12b. Old the amount of the employee contribution tool premium) very for different employee categories. In.g., full time, part time, retiree?
b. Enter the total currilor of active employees enrolled.	B13. Did this plan's premium include effor of these services? Chart of the apply. Life insurance == Disability insurance
Enter the number of former employees aerolled through CODPA or other State continuation of bonefits level.	B14. Enter the ennual deductibles that enrolless paid out of their pockets before the plan began paying for powered services taking the plan's provident. Many 1880 type plans do not have deductibles. Total individual
Contact the number of retires excelled. Tenal Contact the total number of excellence with single coverage. Tenal Contact the total number of excellence with single coverage.	Separate deductibles for Separate deductibles for Separate deductibles for Separate deductibles for Hospital core If the deductible is per poemolytic toopial stay,
B11a. Enter this place's total premium, employer scentification, and employee contribution for a typical fail from employee with simple coverage. If and insured, enter the recentify premium equivalent from Queenium (SM on page 2.)	Total favority arena of 100 Total favority arena of
S	B15.8. How much did on expelles pay for an expension hospital stay in a participating hospital. If applicables after any assumed declaration was mad? S
812a. Did the grandums (not contributional very by - Cheef all that apply. Appl Sun	B16. What was the resolveners amount this plan would have paid for an individual - 8. Over the enroller's lifetime? 1



	Section B - PLAN CHARA	CTERIS	TICS - Continued	
	had was the maximum around out of probat much for -	B19.	Could this plan have re- certain pressiding con-	Appeal his course postware with
A. A.	individual?	. 191	(DYM) IDN	
3.	.00	700	Did this happen in 11	
1.000.00	family (of final)?	-		
" [.00	B20.	Could this plan have in persons with contact pr	spooled a waiting period for equieting conditions?
44 E	No musicum	746	t□Yes p□N	4
	Scale which of these services seen included in the plan.	B21a.	In this plan offered in 1	10077
0	wok all that apply	766	Vio If Yes, go !	e Question 821c.
	Adult routine physical exerce	b.	If it is not still offered, it	relicate if it has been -
	Routine pap arrears	100	1 Replaced with a six	
120 3	Office visits for producted cure		3 Replaced by a sub-	unt - Qu to Section C.
	Adult immunications Out-of immunications	e.	For 1997, eater the sing	in and family euroferents and
	Wolf-buby core, under 1 year Wolf-child core, 1-4 years 100% wolf-buby core			or the case that took its place. emium period as in Question BITs
100 E	Other control of the	9		in modernest.
***	Routine destal cure Orthodonic cure	-	1 00	Single premium
	Niersing Isomo care Horna hauth care		3 00	Fundy previum
	Inquational ensemble Effects Outputional transital Effects Alcohol individuous allows treatment	edditi smpli	money from a self-addition because of	iomental Shoot for each an plan you offered your July I, 1996. You may use manial Short or Section S of
	Section C - GENERAL HEALTH	OVERA	GE CHARACTERIS	nes
10 CO	if you offer optional coverage test included in the sic houlth coverage for any of these services in 1996 as additional premium to the engloyee? Oweld Vision Prescription drags Long-term care	ь.	could be covered by he	n sating parisol? n 1 month
	940 Include employer and employee contributions.	C3.	that included July 1, 10	out of coverage for the plan year of for ALL houghtslythysisian at this location, include a contributions.



Control No.

Section D - EMPLOY	WENT CHARACTERISTICS
D1. Enter the number of employees on year payrall at the location printed on the label for each of the categories below. Report for the pay period that included July 1, 198 if you affected feasible and enrolled for coverage through your organization. Include afficient and coverage through your organization. Include afficient and coverage through poor organization. Include afficient and coverage through teach. numbers or approxy receives. B. All employees Total	D2. For the pay period that included July 1, 1996 A. Enter the number of evenue. S0 years old or older C. Enter the number of employees and another who were union mentions d. Enter the number of employees and earned (1) Less than 36.50 per hour (2) Enteres 36.50 and \$15.00 per hour (3) More than \$75.00 per hour (4) Hours than \$75.00 per hour (5) Hours than \$75.00 per hour (6) Hours than \$75.00 per hour
Section E - COMPA	NY CHARACTERISTICS
E1. Do you offer any of these hinge benefits? Check of that apply.	E4. Which of these consportes best describes your principal basissess activity? Check only ONE. *** Artail trade Personal convices to g., broady sleges, dry cleanant Bosissess services to g., selventising, computer pronouncing) Other convices to g., selventising, computer pronouncing; Manufacturing Whodesale trade Personal, incorrects, or real active Terranol, incorrects, or real active Terranol, incorrects, convenients on, sleet is, gas, or incollary services Agriculture or temporary Mining Mining
Cheet unity Chiff. **I	ES. How many years has year company been to business? If you operate or multiple incations, anter the runder of pears in business for the antire enterprise. West Fig. Enter the total number of employees year business has at all business. Employees



Section F - TO BE COMPLETED IF YOU DID I	NOT OFFER HEALTH INSURANCE COVERAGE
F1a. Has your business offered any health insurance as a baselet to the employees or nations of this location since January 1, 1991? If Yes _ 1 bis - Iff Ma, go to Guestion F2. b, in what your did your business last offer bealth insurance coverage to the employees of this location? 1 0 0 Last your offered F2. Old you pay the medical or houghful talks of your employees directly, other than for workers' exergenmentary and/or injuries suffered on the job?	F3e. Instead of providing a health plan is 1996, did you provide a viceober or objected to your amployous which could be used to purchase health instrument. W Vec No - II No, go to Section 0.
to Battacks	4 □ Year
Section G - PERSON COMPL 11 Name (Prints print)	ETING THIS QUESTIONNAIRE
Signature	114 Date
1% Talighore rearribor 5% Beteroica 1% FAX rearribor	17 E Mail addrson
From II PLEASE RETAIN A COPY OF TO	HIS FORM FOR YOUR RECORDS



CRAB No. 0009-0080; Appended Experies 84/30/86

MEPS-10(\$) ILL DEPARTMENT OF COMMERCE BURNAL OF THE SEASON ACTION AS TO SEASON THE SEASON AS TO MEDICAL EXPENDITURE PANEL SURVEY (INSURANCE COMPONENT) SUPPLEMENTAL SHEET ESTABLISHMENT QUESTIONNAIRE INSTRUCTIONS This Supplemental Sheet is a reprint of the questions in Section 8 of the Establishment Cuestionnaire (MEPS-10). You may use it to report additional health plan information. You may use photocopies of this Supplemental Sheet if sufficient expires were not included in your reporting package. Refer to the instructions on the first page of the Establishment Guestionnaire (MEPS-10) when completing this Supplemental Sheet. Section B - PLAN CHARACTERISTICS B1. Enter the name of the health invarance plan and the For self-insured plane only: insurprise transfer. B5a. Indicate if you administrated the plus or if you employed a FOR CENSUS USE ONLY third party 1 Settle-Broinistered | | hoursees company or other administrator "I Name of plan. b. Old your partitions stop-loss soverage? no - - Yes "IT Name of Insurance curties C. Exter this establishment's total annual poet of coverage for this plus for the plus year that included July 1, 1994. Include: claims paid, administrative costs, and stop-loss coverage of any). Include both amploper and amplityee. B2. Indicate the type of providers in this plan. contributions. Exclusive providers - Exculors must go to providers associated with the plus except in an ersergency. There is typically no cost or a small. 80 Stood cost for each physician stat, (For example, HMOs, PAs, EPOs) d. Enter the monthly premium equivalents for the COSRA amount if premium equivalents seen not calculated) for single and family (of four) coverage for a typical full time. 2 Any providers - Eurodoos can up to the physicians of their choice on a fee for service basis. The plan does not have any associated providers. (For expensive conventional places, independry places) employee. Include the costs entered in BSc. Also enter this information in Question BT is asinglet and BT in density! -| Mixture of preferred and any providers -Eurobses can go to a set of "preferred" providers Fotol promium on page 2. posecrated with the plan, or providers of their choice. If they go to a non-preferred provider, they face higher costs, (For example, IPOs, POSe) 4 00 Single coverage -Old this plus require that the serollus are a primary care physician is order to be referred to a specialist? 1 50 Fundy socorage B3. the call Year r□No 4. Is the amount entered in \$54 -** 1 A promium equivalent? B4. Indicate the type of indormalization of this plan. I A COSTA service of t Perchased from an incurance underwriter -If said-insured, go to Question 87 on page 2. Coverage is purchased from an insurance company or other underwriter who assumes the risk for menhani medical expenses. B6. Was this plan purchased through a pooling articiperson with other employers such as a multi-employer trust (MET) or a could employer welfare emergement (MENIA)? If purchased, go to Question 86. 2 Self-insured - Your company pays the dialoss from its reconstres and may charge a previous to employees. The plan may be administered by a mind + New ELIMA purty. This type may employ supplemental stop-loss insurance to find unumbiguised towers.



	Section B	- PLAN CHAR	ACTERIS	NCS - Continued	
B7. Was this plan operated □ □ Union _p 1 □ 7		e 1□Nultur	B11a.	and amployee could employee with single	
14 Name of union or trude secon	witten.	¹ Local number, of a union		Hasif insured, anter s from Ossetton BSd or	he monthly premium equivalent spape 1.
4 Nume of Insurance represents	Dive :		100		Total promium
	. A. S.		100		Employer contribution
11 Auddress (Number and street)				5 /d Indicate the premium	Employee contribution
¹ City	115 State	== 2IP Code	101		reside t□Month 4□1
"Talaphona number	-	1	ь.	pared sampling on scanned	Epremium, employer contribution action for an enrolled family
()				out tours.	
B8. Did any enrolles receive contribution towards a le.g., from a union or p	re-part of the gre-				mentium period as in Guestion 8 he mondhly prensium equivalent n pege 1.
== 1□Yee 2□H	9		100	1 3	6 Total pressure
89. In what recents did the			100		Eropicyer contribution
ing. Jan - \$1. May - i	MD:	Month		1 4	Employee contribution
B10a. For this plan, order the dependents for this set				Del the premiums in	nos not offered of contributional very by -
**				Charle all that apply.	
b. Enter the total marrier	of active employ	nes seeded	104	□ Age/?	
*			101	The state of the s	
C. Enter the number of to COSPA or other State			***		
			ь.		tre employee contribution or different employee categories me, retinee?
d. Date the number of re	tirees septilled.		100	† □ Yee	p⊟No
"	. "	65 and older	B13.	Old this plan's present	harn include either of these servi
4. Enter the total number	r of services with	single country:		Charl of that apply	
tis .			100	□ Life Bisservice	on Disability insurance
sgr 2					1009 9875 760

Enter the second of the second



Control No.

laren.		lection B - PLAN CHAR	ACTERIS	TICS - Cont	insed	- 9
814.	Enter the persual deduction of their pockets before provenil services being the HMO type plane do not her	the plan begon paying for other a percenters). Many	B17.	What was the sensant for -	maximum sensul out of poster (F	
100	5 00 40	tal individual musi deductible OR ;	191	1	.00	
	Reparate deductibles	tur.	2.5			
	1 0	Physician cure	b.	A family (of	four!!	
	*		1		.00	
	If the deductible is per	Hospital care r overnight hospital stay,	141	☐ffe insuits		
	report weder \$15a.		B10.		of these services were its baded in h	to Man
144		tal family annual dustible of applicable y		Check all that	proposition and the proposition of	
***		is - Enter Fishs plan sinc family deductible was much family reambony fulfilled observation	=	Add no	surenograde the physical expres	
#	Plan did not have a deda	Stán	41		is the procedul care	
B15a.	How much did an emplies hospital stay in a particip after any around declarities	uting boxpital. If applicables			neritations spritations	
902	1 60 -	14 :□Per day 3□Per stay	100		care, under 1 year I care, 1.4 years Holly care	
163	Farmer		175. 176.		de cure - physician providers I procriptions	
- b.	☐ Hospital cars was not o	covered pay for an effice visit tooth	79	Routine d	ietal care	
100	a puritificating physician. If deductible was real?	applicables wher any winned	100	☐ Morning h		
. 86	1 .00		-		montal illness	
- 10	Off		100	☐ Alcohol; w	t mestal ilinea distance danse treatment	
	Off		B19.	Could this play	in have refused to sover persons will string conditions?	
710	Physician core was not	several.	. 11	1DYMY	3 □ Pilo	
B16.	What was the requirement or paid for as individual -				pen in 19947	
	Over the enrules's litera	-	***	13-6 799	2 □ No	
	1 00		B20.	Could this pla	in have improved a waiting period for certain pre-existing conditions?	
ь.	In one year?		.140	1□Yes	z⊡Ne	
144						
346	☐No madesare					



Section B - PLAN CHAI	RACTERISTICS - Continued
B21a. In this plan othered in 1907?	B214. For 1897, extent the single and family condinents and premiums for the plan or the one that took to plan. Fagort for the same premium period as in Question #11s on page 2. Single serultment Fundy excellment 1 20 Family premium
*** FlemsyAs	

Page 4

PLEASE RETAIN A COPY OF THIS FORM FOR YOUR RECORDS.

POWERENCE STORY



Appendix B

1998 Insurance Component Questionnaire



MEPS-10

OME No. 0005-0100. Approval Expires 1201/000

1998 Medical Expenditure Panel Survey Insurance Component

HEALTH INSURANCE COST STUDY Establishment Questionnaire

Please correct any errors in name, address, and JP Code, Enter number and street it not shown.)

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS ACTING AS COLLECTING AGENT FOR U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES AGENCY FOR HEALTH CAPE POLICY AND RESEARCH

RETURN TO

Bureau of the Census 1201 East 10th Street Jeffersonville, IN 47132-0001

PLEASE RETURN ENTIRE PACKAGE WITHIN



INSTRUCTIONS

- Please report for the establishment identified on the cover sheet, unless otherwise specified.
- 2. Please report data for 1998, unless otherwise specified.
- 3. Estimates are acceptable.
- Refer to the Definition Sheet included with this package for explanation of unfamiliar terms.
- If you have any questions or need assistance in completing the questionnaire, please call

Paperwork Reduction Act and Burden Statements

We expect that it will take 20 minutes, or average, per establishment, to complete the basis questionnains. Establishments with more than one gran will take an autificinal 10 minutes per plan, on average, up to the must leave of four plans to be equivalent. In addition, we sufficient that it are the top review the inclinations and touch the region of the individual or event and acts (the appeting the largest and investigation). The stablishment of several properties the support of the properties of individual or event of the region of the support of the properties of the support of th



	Section A - NUI	WEER OF PLANS
14	Please respond for the location identified on the cover about fingents for active employees only. Did year organization make available or contribute to the cost of any health invariance plans for its employees in 1996? For this survey, a health insurance plan is beapital and/or physician coverage made available to employees.	unities atterwise specified. □ □ Yes - Continue with Question to □ Ne - SIGP to Section E
t	How many different health insurance choices did your organisation make available or exertificate to fur its employees during the 1000 plan your? Do not count alight service plans (optimal plans) such as dested or vision. First offered by the same insurance company which effect the same level of besetts count as one plan. High and standard options count as two plans. As HMO and a conventional plan count as two plans.	SKSP to Page 4, Section C
	Section B - HEALTH INS	URANCE NOT OFFERED
1a.	Complete only I health insurance was NOT offered during 1995, otherwise, SIOP to Pape 4. Section C. Did your organization offer any health insurance as a benefit to its employees at this location between January 1, 1993 and December 31, 1993?	□ Yes - Continue with Question to □ No - SIOP to Question 7
ь.	What was the last year your organization offered health insurance coverage to its employees at this location?	= 199 Last year offered
2.	in 1998, did your organization pay the medical or hospital bills of its employees directly, other than for workers' compensation and/or injuries suffered on the job?	DYM
3a.	Instead of providing a health plan in 1998, did your organization provide a voucher or stipped to its employees which could be used to purchase health insurance?	
ъ.	Was this vossiler or stipered to be used enclusively for health insurance or health care?	= DYes
G,	What was the average value PER EMPLOYEE of this vasuities or atipered at this location?	S 0 0 Votathet value
d.	How frequently was this vaucher or etipend paid? Mark CC andy one.	



1	Section C - EMPLOYME	NT CHARACTERISTICS
1.	Estimates are acceptable for all employment, eligibility, and exeminant figures. Include officers, owners, part done, temporary and anasomal employmen. Exclude insend or contract excitors. What was the total number of employees your or genization had at ALL locations for a typical pay period in 1998?	Employees at all locations
2a.	Complete questions 2–7 for the location listed an the coner shael. How many employees every on your organization's payment AT THIS LOCATION for a typical pay period in 199667	All employees at this location If your organization tild our offer health insurance in 1998, SGF to Question Ja.
b.	How many of these employees were eligible for at least one health plan through your organization?	I figitiv orquinyon
C.	How many of these employees were enrolled in any health plan through your organization?	Excelled eruplayees
3a.	For the same typical pay period in 1998, how many of the employees reported in C2s worked part time?	Fort time employees if your organization did not after health insurance at 1995, SGP to Question 4s.
b.	How many of these port-time employees were eligible for at least one health plan through your organization?	Eligible part time employees
6.	Now many of these part time employees were enrolled in any health plan through your organization?	I seeded part time or glopees
4a.	For the same typical pay period in 1998, how many of the employees reported in C2a were temperary or essential employees?	Temporary or seasonal employees If your organization did not offer health insurance in 1998, SOF to Question 6.
b.	How many of these temperary or seasonal employees were eligible for at least one health plan through your organization?	Eligible temporary or seasonal employees.
G.	How many of these temporary or second employees were excelled in any bealth plan through your organization?	Executed temperary or seasonal employees
5.	Is the information you provided in questions 2, 3, and 4 (above) for the logation listed on the cover sheet OS did you provide information for multiple locations?	=



	Section C - EMPLOYMENT C	HARACTERISTICS - Continued
6a.	Provide information for a typical pay period in 1998. Éstimates are acceptable. The following workform characteristics are used to proup similar organizations together for analytical purposes. What percentage of the employees at this focation were women?	The Women amphoyees
b.	What percentage of the employees at this location were 50 years old or older?	Troployees 10 years old or older
G.	What percentage of the employees at this location were union members?	% Union members
d.	For the employees at this location in 1998, approximately solut percentage narried - Less than \$6.50 per hour? Approximately \$12,000 a year or less Between \$6.50 and \$15.00 per hour? Approximately \$13,000 to \$26,000 a year More than \$15.00 per hour? Approximately \$10,000 a year or recen	To Earned Sets SUSE per hour To Earned Setseen SUSE and STUD per hour To Su Earned Setseen SUSE and STUD per hour
7.	Now many hours per work must an employee work to be considered full-time at this location?	House Continue with Page 6. Section D

Fage C



1a	Which of the following categories best describes the operational status of the establishment at this location at the end of 1909? Mark 20 any one	SCF as SCF as SCF as SCF as ScF as ScF as Scr as ScF as Scr as ScF as Scr as ScF as Scr as ScF as S
b.	During what month and year did this establishment's change in operational status occur? Inter learning commercing requirement. Example: January 2006 - [87] [598]	1 9 Vs.
2a.	Did your organization offer any of those frings benefits to the employees at this location in 1996? See Definition Sheet included with this package for explanation of benefits. Mark OC all that apply.	Paid vacation
ь.	If your organization offered a Flexible benefit plan Cafeteria Plant, what you the scenage annual value of the plan, for a TYPICAL EMPLOYES, or this location?	S , . D O Florable benefit
3.	Which one of these categories BEST describes your type of business ownership? Adart (X) only one.	Scorporation Corporation Fartnership Sole proprietorship Government Endorut, state, or totall John venture or cooperative
+	Is this a not for grafit business?	□ (□Yes. (□No
5.	Which one of these cots gories BEST describes the principal business activity at this location? If more than one apply, must the sategory which promite the cool revenue. Elast (X) only one.	
6.	Approximately how many years has year company been in business? If your organization operates at more than one focation, either the number of years the parent company has been in business.	Approximate number of years in Sessions

Figur 6 Total surrent and



Section E - GENERAL HEA	LTH COVERAGE CHARACTERISTICS
Complete Section E F your organization made insurance available to its employees at this location in 1998. Estimates are acceptable. Please complete questions 1-3 for this location ORCF. 1. What was the total annual cost of coverage for Al hospital and/or physician plans offered AT 1985. LOCATION in 1998? Include both amployer and amployer contributions. Include the total cost of coverage for all artise employer at the location discolled on the cover sheet.	Annual cost for heapital another physician priore
28. Which of the listed optional coverage services, if any, did your organization offer to its active employees in 1990 at a premium separate from the comprehensive plan premium? On not include single services covered under a comprehensive health plan. Report on single service insurance plans only. Alant (X) all that apply:	Ometal Oscillar Os
b. What was the total amount poid for optional coverage for all active employees excelled AT THE LOCATION in 1998?	S , , , , 0 0
3a. For 1998, did your organization impose a waiting period before new employees could be covered to leadth insurance?	10 (☐Yes - Continue with Owenter 36) □ Nor - SAIP to Question 4
b. For 1990, what was the typical waiting period? Alast (X) only one	
A. In 1998, did your organization provide health insurpress to any employees who retired from you organization? If your organization does not have retirent, mark "No."	SIGP to Page & Sentire F
Sa. Were retiness under 65 years of age eligible to receive health insurance in 1990?	□ (□Yes, (□No
b. Were retirees 65 years of age and over eligible to receive health insurance in 10007	i= i□Yes i□No
How many RETREE-ONLY hospital and/or physician plan chaines did your organization offer in 1996?	OR Stations only place.
Did your organization offer its retirees at least on portable plan? A periode plan allows the retiree to obtain save it sim all localities within the country.	. □No
and the second s	15

Fige 7



	RAGE CHARACTERISTICS - Continued
Sa. What was the total number of retirees opvered by health insurance through your organization at all of its locations in 1990?	Flattenes covered by insurance
b. What percentage of these retires were socialed in single coverage?	To Retirens, monthed in single coverage
94. For a typical plan in 1999, what was the total monthly premion for one TYPICAL retires with SMGLE coverage?	S , O O Single converge providers
For this same plan, how much did the EMPLOYER contribute toward the plan premium for this typical retires with single soverage?	5 0 0 Employer contribution
Oil. For a typical plan in 1998, what was the total monthly premium for a one TYPICAL retires with FAME, Y coverage? For retires, if premiums year, report for a family of here.	s
b. For this same plan, how much did the EMPLOYER contribute toward the plan premium for this typical retires with family coverage?	s 0 0 Implover
*** PLEAS	E NOTE ***
offered. If your organization DID NOT offer h	rformation Questionnaire for each plan
and the altached MEPS-10(S), Plan is offered. If your organization DID NOT offer is Section F and END the form.	ealth insurance, please complete
and the altached MEPS-10(S), Plan is offered. If your organization DID NOT offer is Section F and END the form.	rformation Questionnaire for each plan
and the altrached MEPS-10(S), Plan is afficed. M your organization DID NOT offer is Section F and END the form.	ealth insurance, please complete

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Formal Policy (4-25-4)



OMR No. 0905-610% Approved Explines, 12.01.0008 MEPS-10051 H.S. DEPHIFTMENT OF COMMUNICAL ACTION OF THE STATES ASSET FOR MALES, TO AND A STATE OF THE STATES ASSET THE STATES ASSET TO A STATE OF THE STATES ASSET TO A STATES ASSET TO A STATE OF THE STATES ASSET TO A ST Medical Expenditure Penel Burery **HEALTH INSURANCE COST STUDY** PLAN INFORMATION QUESTIONNAIRE INSTRUCTIONS The MEPS-10SL, Plant information Constitutionists, is to be completed for the health insurance plant offered AT INIS LOCATION. Plants respond for the plan indicated in the Ossetion to box of each SEPS-10SL. If no plan names are preprinted, complete a separate MEPS-10SL for the 4 largest plant your organization offers. You may use photocopies of this MEPS-10SL form if sufficient copies were not included in this reporting package. GENERAL PLAN INFORMATION FOR CENSUS USE ONLY If a plan name is proposited in the question is answer from on the right, answer for the plan specified. Otherwise, complete this Plan Information Questionissins for the plan with the largest for post largest) enrufiment of active 100 For 1990, what was the name of the health insurans plan with the largest for rest largest) enrollment of active employees? Name of pitch Enamples: + (Size Grant Star Shield, High Option Option A
 Astro HSAO b. What was the name of the insurance company or sorrier providing this plan? Name of insurance carrier 100 Examples: + Blue Oriou Blue Shield Affinerer
 Charter Health. Enter your exempany name if aid insured. Which type of health care provider was available through this plan? - Distato provides Examples: Most HMO, PA, and EPO type plans? Exclusive providers - Excultons must go to providers, associated with the plan except in an emergency. There is typically no cost or a small fixed cost for each physician 2 Any produters. 6 samples: Most conventional and indomesty plant | Minture of professed and any providers Examples: Most PFO and POS-type plane: Any providers - Enrollees may go to providers of their choice on a lee for service basis. The plan does not have any associated providers. Mixture of preferred and any providers - Enrollees may go to a set of "preferred" providers aspeciated with the plan or providers at their shope. If they go to a non-preferred provides, they have higher conto. Did this plan EDOURE that the enroller see a primary-core physician in order to be referred to a specialist? Yes. 2 □ No. For plans with multiple options, are we for the "so-network" Was this plan purchased through a posting amorgament with other employers such as a molti-employer trust (NET) or a multi-employer welfare arrangement (MEWA)? THE LOTTER /Dista



	GENERAL PLAN INFO	RMATION - Continued
5.	Was this plan purchased from an incommon underwriter or was it setf-incored? Purchased from an incommon underwriter - thelp incored! Coverage is purchased from an incommon company or stillar underwriter who assumes the risk for excellent insection repeated. Self-incored - Your organization assumes the risk for the excellent insection insection aspects.	** Prantound - SIOP to Page 3, Ownston 7
	employees. This plan may be administrated by a third party and may employ suppliemental stop-loss insurance to limit severticipated lissues.	
	SELF-INSURED PL	AN INFORMATION
6a.	Complete Questions to 4 if this plan was self-income! Was this plant self-administered or did your organization employ an insurance company or other administrator?	** Districtioned Distriction company or other administrator
К	Old your organization purchase stop-loss coverage?	□ (□Yes (□Yes
d	What was the ANNOAL COST of this plan for the 1990 plan year for this establishment? Installs the following: • Claims paid • Administrative costs • The rest of stop loss soverage iff any!	S , , , , Q 0
d	What was the monthly premium equivalent for ONE TYPICAL half-time employee with SHGLE overcage? Entirestes are exceptable. Enter the COSEA amount when the premium equivalent is not available.	S 00 Cangle coverage
	What was the worthly premium equivalent for ONE TYPICAL half-time employee with FAMILY exceptage? Estimates are acceptable. Enter the COSTA amount when the premium equivalent is not available. Family coverage should be deloutated for a family of four if our learns by family alos.	S . 0 0 Family correspo
1.	Are the amounts reported in 6d and 6e premium equivalents or COBRA amounts? Mark (IC only one.	Thereign equivalents COSEA amounts Continue with Page & Question 7.



1	PLAN AFF	ILIATION
7.	Was this plan offered through a union or a trade association? If this plan was offered through a union or trade association, please provide the information.	
Ė	requested at the right.	** Name of union in trade association ** Local number, if a union
		** Name of insurance representative
		Address (Number and street)
		GE City Gode Gode
		Telephone number
	ENROLI	MENT
	Exclusive are acceptable for all employent figures. Cactuals retirens	
Ba.	Hose many active employees were enrufted in this plan at this establishment during a typical pay period in 1990?	Active employees expelled in plan
100	Include full time, part time, temporary and anasonal employees. Exclude former employees.	
b.	Now many of these active employees were enrolled in single coverage during a typical pay period in 1996?	Action employees searched in single-coverage
6.	How many FORMER employees were enrolled in this plan through CORRA or other state continuation of benefits lases during a typical pay period in 1996?	Former employees serolled in plan
	SINGLE COVERA	IGE PREMIUMS
911.	Report for typical advantums and excultees. If your varies, report for an average employee. Report employeemenghaves contributions and ratal premium for the same period. Was single coverage offered under this plan?	
b.	For this plan, how much did the employer contribute toward the plan premium of ORE TYPICAL full-time employee with single coverage?	S O o frequen
c.	Now much did this typical employee with single coverage contribute toward his/her own premium?	S O O Sirregioner
d.	What your the total premium for thin typical employee with single coverage?	S , . O O Total precium If this was a self-insured plan, this total should be the same as 6d on Fage Z.
a.	The amounts reported in questions 16s-d are based on which one of the following time periods? Mark (X) only one.	



FAMILY COVER	AGE PREMIUMS
Report for hypical advantums and enrollers. If cost varies, report for an average employee. Report employee/employee contributions and total premium for the same period. Report for a family of four if cost varies by family size. 10s. Was family coverage offered under this plan?	*** Vac - Continue with Question 10b
For this plan, how much did the employer contribute toward the plan premium of ONE TYPICAL full-time employee with family countage?	S , . D D fireplacer contribution
G. How much did this typical employee with family coverage contribute toward braker own premium?	S . O D Employee contribution
d. What was the total premium for this typical employee with family coverage?	S , . 0 0 Total premium If this was a self-insured plan, this total should be the came as the on Page J.
The amounts reported in questions 10b-d are based on which one of the following time periods? Alart (X) only one.	
GENERAL PREMI	UM INFORMATION
11a. Did the PEEMUMS charged by the insurance company or corner vary by any of these characteristics? Nant CO all that apply.	Age Sex (Gender) Number of persons covered by a family piles Wage or salary levels Other - Specify gr
b. Did the amount an EMPLOYEE CONTRIBUTED toward his/her own coverage very by different employee categories? Examples: Fall-line, part-line, uries status, wage or salary levels.	™ □ Yes. ↓□ No
Did any emplies receive a direct subsidy or contribution toward any part of the premium from an outside third party? Example: A sales or povernoved paid a portion of the german.	TONE
Did the plan premium include life and/or disability inverse or? Nant (X) all that apply.	Disability insurance Disability insurance



INDIV	IDUAL DEDUCTIBLES
138. Did this plan have a deductible? Deductible - Predximmined amount which must med be an individual before the plan will say for covered services. Many 1860s do not have a deductible.	t Vie Continue with Question 13th No - SKIP to Page 6, Question 15a
b. What was the annual dedoctible an individual paid? fisport deductibles for care received "so network" from preleted providers, if applicable. Enter physician care and hospital care provints in appropriate boxes if anywards deductibles appric if deductible is per systemptel frospital stop, if is not an annual deductible and should be reported under 159 on Fage 6.	S . O O Stockettie
FAI	MILY DEDUCTIBLES
14a. Did this plan require that a specific number of members must meet their individual deductific before the family deductible was met?	If tamily You - Continue with Question Hb No - SKP to Question Hz
b. How many family members over required to ment their individual deductibles before the family deductible was sent? Report for typical altestons and encycline.	Number of family counters
 What was the total annual deductible a family point? Report for a family of hur. 	S O O Total sensed family
MARIS NO. 47-M	Po.



Lange	PAYMENTS		
15a.	Was hospital sure sovered under this plan?	152 : ☐ Yes - Continue with Question Sit- 2 ☐ No - SKO* to Question Sic	
ь.	How much and/or what percentage of the total bill did an enroller pay not of pocket for an inpution thoughtal stay after any annual dedoctible was mat? Some plant may have both a defar amount and a	S 0 0 Account poid by excellen	
	percentage coppyment. Out-of-peolest expense - These costs poid directly by the educate.	□ Per stay AND/OR	
	Report for precentified hospital stays (if applicable) Report for stays at "in centeurs" participating temption (if applicable).	% Paid by seculos	
	Do not include any physician charges incurred during the hospital stay.		
6.	Was physician core covered under this plan?	: Yes - Continue with Question file No - 540° to Question file	
d.	How much and/or what persentage of the total bill did an excellee pay part of pocket for an office visit after any annual deductible was met? Some plant may have both a defer amount and a persentage organizer.	S . 0 0 Acround poid for encodes ANGIOR	
	Report the application for an "in network" participating general practitioner during normal office Routs. Out-of-pocket expense - These costs pold directly by the enroller.	76 Poid by enrollers	
16a.	What was the maximum amount this plan would have paid for an exceller over higher lifetime?	S	
b.	What was the manimum amount this plus would have point for an encodes in one year?	S , , , , 0 0	
17a.	What was the maximum annual out-of-pocket expense for an individual? Out-of-pocket expense - Plans once said directly by the exercise.	S	
	This is often referred to as a corporaptic limit. Include all copeyments and deductibles.		
b.	What you the maximum around out-of-pocket expense for a family of foor? Out-of-pocket expense - Proce costs pold directly by the exercise. This is often referred to as a catastrophic limit, include all coparyments and deductibles.	S . 00 OR I No bandy maximum	

Page 6 Foreign to the Page 6



PLAN CHARACTERISTICS		
18a.	Could this plan have refused to cover persons with certain pre-existing medical or health conditions?	□ Ves - Continue with Genetice 186 □ No - SiGP to Guestion 19
b.	Did this happen in 1990?	79 - OYes - ONe
19.	Did this plan have a policy requiring a waiting period before severing pre-existing conditions?	'≔ \OYes □Ne
20.	In what month did the plan year begin? Enter a two-digit numeric response. Example: January = 91, May = 91.	*** Liberth
21.	Which of the services listed were covered by this plant. Mark (X) all that apply.	
	CURRENT YEAR P	LAN INFORMATION
22a.	Questions 22nd rate to the 1900 plan year. Is this plan also being offered in the 1999 plan year?	= Ves - SKP to Ounction (2): No - Centitue with Question (2):
b.	If this plan is no larger offered, was it replaced with a similar plan, replaced by a substantially different plan or dropped without replacement?	Replaced with smaller plan Preplaced by a substractionly different plan Dropped without offering replacement - END THIS FORM
c	Please attacker for this plan or the use which replaced it. For 1999, how many active employees are exculted in single soverage during a typical pay period?	Active employees enrolled in single-coverage
d.	For 1996, how many active employees are enrolled in family coverage during a typical pay period?	Active englayees enrolled in family coverage
0.	For 1999, what is the total monthly premium for ONE TYPICAL full-time employee with single coverage?	S 0 0 Monthly single coverage precision
· · ·	For 1990, what is the total monthly premium for ONE TYPICAL full-time employee with family coverage?	S 0 0 Monday tunity

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