

United States General Accounting Office

Report to the Chairman, Subcommittee on Oversight and Investigations, Committee on Energy and Commerce, House of Representatives

151049

February 1994

HEALTH CARE IN HAWAII

Implications for National Reform



Notice: This is a reprint of a GAO report.

GAO	United States General Accounting Office Washington, D.C. 20548
	Health, Education, and Human Services Division
	B-256320
	February 11, 1994
	The Honorable John D. Díngell Chairman, Subcommittee on
	Oversight and Investigations Committee on Energy and Commerce House of Representatives
	Dear Mr. Chairman:
	Health care reform has risen to the top of the national domestic policy agenda and many observers have cited Hawaii's health insurance system as a possible model for the nation. For almost 20 years Hawaii has been a leader in the effort to achieve universal access to health insurance. It is the only state that requires employers to provide health insurance for their employees, and it has public programs to provide coverage to residents not insured through the employer mandate.
	You asked us to provide information about Hawaii's experience on topics central to the current debate on national health care reform. In response to your request, this report describes Hawaii's experience with providing access to health insurance and health services, its experience with health care costs, and the effects of Hawaii's system on the state's small businesses and health care providers. ¹
Results in Brief	Hawaii has the highest level of insurance coverage of any state in the nation. Estimates of the percentage of Hawaii's residents lacking health insurance in 1991 ranged from 3.75 to 7.0 percent in comparison to the national average of about 14 percent. Nevertheless, Hawaii's employer
	mandate and government programs do not ensure coverage for everyone in the state. Further, even some residents with insurance encounter problems obtaining access to health services and need community health centers and other safety net programs. For example, private providers are not always willing to serve Medicaid patients.
	Hawaii has experienced the same trend of rising costs as the rest of the nation. From 1972 to 1991, Hawaii's annual per capita health care expenditure generally matched the national average. However, health
	¹ You also asked us to provide information on the Medicaid disproportionate share hospital (DSH) program in Hawaii. The DSH program was established in 1981 to provide for additional Medicaid payments to hospitals that serve large numbers of Medicaid and other low-income patients. This information is in appendix V.

insurance premiums are lower than in the nation as a whole and in the last decade have risen more slowly in Hawaii than nationally. We identified two factors that contribute to lower premiums in Hawaii: reduced cost shifting and insurance companies' use of modified community rating for small businesses.

Hawaii's requirement that employers provide health insurance has not resulted in large disruptions in Hawaii's small business sector. Business owners, however, have expressed concern about the cost and inflexibility of the employer mandate. Hawaii's successful implementation of employer-based health coverage may have been helped by a set of favorable circumstances, such as the large number of employers already providing health insurance at the time the mandate took effect. Thus, if a national employer mandate is adopted, Hawaii's experience might not be replicated throughout the country.

Background

Requirement for Employer-Sponsored Health Insurance Is Unique to Hawaii	Hawaii is the only state to require employers to provide health insurance to their workers. Its expansion of health insurance coverage through the 1974 Prepaid Health Care Act (PHCA) was built on a tradition of employer-based health benefits. This tradition was due partly to the strong role of labor unions in the work force and partly to Hawaii's history of plantation medicine, when large plantations employed physicians to provide free health care to their workers. Hawaii can require employers, including those that self-insure, to provide a minimum level of health care benefits to employees because it has a limited exemption from the federal Employee Retirement Income Security Act of 1974 (ERISA). ERISA preempts state authority to regulate certain self-insured employer health plans. Hawaii is the only state with this exemption.
	Under PHCA, employers and employees share financing of premiums for employee coverage, with the employee contribution limited to the lesser of half the premium cost or 1.5 percent of the employee's gross wages. In 1991, a worker earning the average annual wage of \$24,128 would have paid at most \$30 per month, roughly one-third of the premium cost for

	individual coverage under a small business policy. Employees must elect the insurance unless they have comparable coverage from another source. ⁴ PHCA outlines two broad categories of benefit plans that employers may provide. The first is an extensive package of medical, hospital, and laboratory services that meets standards specified in the law. ³ Employers offering such a plan are not required to contribute to the cost of coverage for dependents. Employers have a second option of providing a more limited state-approved benefits package, ⁴ but employers must then pay at least half the cost of dependent coverage. (See app. I for a reproduction of parts I-V and chapter 12, title 12 of PHCA.)
Government Programs Supplement Employer Mandate	Individuals in Hawaii without employer-sponsored health insurance may be eligible for either Medicaid or a state-subsidized insurance program. Hawaii's Medicaid program generally accepts people with incomes up to 62.5 percent of the federal poverty level, while most states set income eligibility at or below 50 percent of poverty, ⁵ and the program provides several optional Medicaid benefits. ⁶ The State Health Insurance Program (SHIP) was established in 1989 to provide health care coverage to the "gap group" of low-income residents who are not covered by employer-sponsored health insurance and are not eligible for Medicaid. SHIP accepts people with incomes up to 300 percent of the federal poverty level. SHIP members with incomes between 100 and 300 percent of poverty pay a share of the monthly premium that is determined using a sliding scale; the state pays the entire premium for members whose income is under 100 percent of poverty. Enrollment in SHIP is voluntary.
	 ²Employees may also waive coverage for religious reasons. ³The benefit package is defined as being equivalent to the most prevalent plan provided by the major fee-for-service insurance provider in the state, which is Hawaii Medical Service Association (HMSA)—the Blue Cross and Blue Shield Plan of Hawaii—or that provided by the major health maintenance organization, which is Kaiser Foundation Health Plan, a nonprofit health maintenance organization. In December 1992, HMSA and Kaiser provided health insurance for about two-thirds and one-fifth, respectively, of Hawaii's insured employees. ⁴These plans must still provide basic hospital, medical, surgical, and other benefits, but are likely to require higher copayments or deductibles or have preexisting-condition exclusions for a limited period. ⁶Hawaii's poverty level is \$16,500 for a family of four; for all other states, except Alaska, it is \$14,350. ⁶The options that Hawaii provides include programs for pregnant women and infants whose family income is up to 185 percent of the federal poverty level, and the elderly and disabled whose income is up to 100 percent of the federal poverty level.

Hawaii's average Medicaid-eligible population for fiscal year 1993 was about 101,000, about 9 percent of the population.⁷ Because of expanded federal eligibility for pregnant women, children, the elderly, and the disabled, and because SHIP outreach activities identified additional people eligible for Medicaid, about 22,000 enrollees were added to the Hawaii Medicaid program between 1988 and 1992.

In December 1992, SHIP covered about 20,000 residents, roughly 2 percent of the population. For most enrollees, SHIP provides minimal and fairly restrictive health benefits that primarily cover preventive care services such as well baby care. SHIP covers 12 physician office visits per calendar year and in most cases limits hospitalization coverage to 5 days. Vision and dental services and prescription drugs are generally not covered.⁸

In July 1993, Hawaii received a waiver from the U.S. Department of Health and Human Services to conduct a 5-year public health care demonstration project, the Hawaii Health QUEST⁹ project, involving a part of the Medicaid population and the entire SHIP population.¹⁰ QUEST, scheduled to begin in April 1994, will combine these populations under a managed care delivery system offering comprehensive benefits similar to Medicaid benefits.¹¹

Scope and Methodology

We interviewed officials from four Hawaii government departments—Health, Labor and Industrial Relations, Human Services, and Commerce and Consumer Affairs—and the state's two major health insurers—Hawaii Medical Service Association (HMSA) and Kaiser Foundation Health Plan. We also interviewed health care experts,

⁷Percentage calculated using the July 1992 nonmilitary population.

⁸HMSA and Kaiser both participate in SHIP. Kaiser chose to provide the full range of benefits of a federally qualified health maintenance organization but limits SHIP enrollment to 3,500.

⁹Quality care, ensuring Universal access, encouraging Efficient utilization, Stabilizing costs, and Transforming the way health care is provided to public clients.

¹⁰QUEST will include the SHIP population and the Medicaid population except those individuals currently in the aged, blind, and disabled-related Supplemental Security Income (SSI) programs; refugee cash and medical assistance programs; and medical payments for pensioners programs. Individuals in these categories will continue to be eligible for and receive Medicaid services under the current rules. Under QUEST, the SHIP program, with the possible exception of a small group, will be eliminated.

¹¹According to state officials, participants whose incomes are up to 133 percent of the federal poverty level will not have to pay any part of the monthly premiums. Participants with higher incomes will pay a portion of the premium according to a sliding scale, with exceptions for pregnant women and infants under 1 year. There will be no copayments for children.

	representatives of Hawaii's business community, ¹² health care providers, and officials from the U.S. Bureau of the Census and the U.S. Department of Labor's Bureau of Labor Statistics. We examined the most recent data available from the state of Hawaii, HMSA, Kaiser, the Bureau of the Census, the Bureau of Labor Statistics, the Health Care Financing Administration (HCFA), and other sources.
Highest Rate of Coverage, but Not Universal Care	Hawaii has the highest rate of health insurance coverage of any state in the nation, but it does not have universal coverage. This widespread coverage is the result of the state's employer mandate, the Medicaid program, and SHIP coverage for the gap group. Estimates of Hawaii's uninsured rate range from 3.75 percent in a 1991 survey by the Hawaii Department of Health, to 7.0 percent in 1991, determined from data from the Current Population Survey (CPS). In contrast, 14.1 percent of the nation's population was uninsured in 1991.
Insurance Coverage Is Not Universal	Hawaii's employer mandate, even when combined with public programs, does not ensure that all residents have health insurance. The employer mandate does not cover several categories of employees, including part-time workers—those working fewer than 20 hours per week—government employees, the self-employed, and low-wage earners. ¹ These individuals may choose not to purchase health insurance. In addition, waiting or enrollment periods ¹⁴ leave some employed individuals temporarily without health insurance coverage.
	Hawaii's health care system also has gaps in insurance coverage for the recently unemployed. These individuals may be eligible to purchase
	¹² These included representatives of the Chamber of Commerce of Hawaii, Small Business Hawaii, Hawaii Employers Council, and Hawaii Business Health Council.

¹³Employers are not required to provide health insurance coverage for workers whose monthly earnings are less than 86.67 times the hourly minimum wage; that is, less than \$456 per month in 1993. Other excluded categories are seasonal agricultural workers, insurance and real estate salespeople working on commission, individual proprietorship members in small family-run businesses, and beneficiaries of government assistance programs.

¹⁴The act does not require employer-sponsored insurance for newly hired employees, those employed fewer than 4 consecutive weeks. With certain exceptions, people may enroll in SHIP during only one week each quarter.

	insurance through their prior employer under federal statute ¹⁵ or through SHIP. However, some unemployed individuals elect not to participate because of the financial burden of paying the premiums or because they expect to be re-employed shortly. Other individuals qualify for but do not take advantage of public programs. These individuals include some recent immigrants and homeless people.
	In addition, employed persons' dependents who do not qualify for public programs may not be included in an employer-sponsored health insurance plan. ¹⁶ A Deputy Director of the Hawaii Department of Health told us that he would like to see PHCA modified to require dependent coverage, but the limitation in the state's ERISA exemption prevents the state from doing so. ¹⁷
Some Hawaii Residents Have Limited Access to Care	Despite having health insurance, some residents in Hawaii have difficulty obtaining health care services. Reasons for this access problem include a limited number of providers in certain areas of the state and a limited willingness on the part of private providers to serve Medicaid patients.
	Although Hawaii has more physicians per capita than the national average, ¹⁸ state officials and providers told us that these physicians are not adequately distributed throughout the state, ¹⁹ a problem shared with other states with rural populations. This problem is more complicated in Hawaii, however, because some Hawaii residents require expensive air transport
	¹⁵ For firms with 20 or more employees, the Consolidated Omnibus Budget Reconciliation Act of 1985 (COBRA) (P.L. 99-272) requires that employers offering health insurance benefits provide former participants and beneficiaries with an opportunity to elect continued coverage when they would otherwise lose such coverage because of "qualifying events" such as death, divorce, termination of employment, or reduced hours. The continuation period varies from 18 to 36 months, depending on the event. The employee may be required to pay for the premium, which may be no higher than 102 percent of the group rate.
	¹⁶ We could not obtain specific figures on the number of dependents without this coverage. Kaiser estimated that roughly two-thirds of its groups pay all or part of dependent coverage for their employees and HMSA told us that almost half of its group plan members, excluding state and federal groups, are dependents. In addition, a 1992 survey of 235 Hawaii businesses by the Hawaii Employers Council reported that about three-fourths of these businesses pay at least some portion of full-time employees' dependents' health insurance premiums. Preliminary results from a Kaiser Family Foundation survey of small businesses indicate that dependents of full-time employees were eligible for insurance coverage at slightly more than half of the small businesses surveyed.
	¹⁷ Hawaii's ERISA exemption applies only to PHCA as it was enacted in 1974, thus precluding Hawaii from substantively amending it.
	¹⁸ In 1991, Hawaii had 17.9 doctors of medicine and doctors of osteopathy per 10,000 resident population, compared to the U.S. average of 15.7 per 10,000.
	¹⁹ The federal government has recognized seven areas on five of the state's six major islands as having a shortage of primary health care professionals.

to another island to receive necessary care.²⁰ For example, residents of Molokai and Lanai must travel to another island for kidney dialysis. Comprehensive trauma facilities are also unavailable on these islands.

Residents covered by Medicaid face limited access to care in some areas, even though providers are located in the vicinity. Officials from health care provider associations told us that private providers generally limit the number of Medicaid patients they serve because of Medicaid's low reimbursement rates. State officials said that they hope the new Hawaii Health QUEST project will improve this population's access to care by increasing the compensation for providing care and improving the availability of care on all the islands. Under QUEST, the state will contract with managed care health plans to provide a full complement of health care services to QUEST enrollees in all geographic areas.

People who cannot obtain care from private providers may receive care from community health centers.²¹ These state and federally supported nonprofit centers are designed to provide direct services to hard-to-reach populations, such as the homeless, and those without the ability to pay. The preliminary results of a state survey of uninsured seeking care from the centers reported that about 20 percent came to the centers because they did not have health insurance and about 24 percent came to the centers because of their low costs. Primary care centers also provide some services, such as language capabilities and outreach to the homeless, that are generally not available from private providers.²²

Representatives of community health centers are concerned that the new QUEST project could have a negative impact on the centers' ability to provide needed services to their clients. These centers generally serve people living in the community and are run by community-based boards of directors. The representatives are concerned that in the event the community health centers participate as subcontractors of large managed care plans under QUEST²³ the centers will lose some of the local control that allows them to adapt their services to the unique cultural and

²⁰In emergency cases, Medicaid will pay for air transportation for Medicaid patients.

²¹State hospitals are also part of this safety net. They are required to accept all patients regardless of their level of insurance coverage.

²²The state will require managed care plans under the Hawaii Health QUEST project to contract with federally qualified health centers unless the plan can demonstrate that it has both adequate capacity and an appropriate range of services for vulnerable populations.

²³Center representatives said that they would like to bid directly for QUEST as administrators of one or more managed care plans, but cited financial and geographic coverage requirements as possible barriers to health centers administering primary managed care plans.

demographic characteristics of the communities they serve. In addition, the representatives are concerned about the centers' financial viability under QUEST.
Center representatives believe that some of these problems would be alleviated if an individual or a group of community health centers could successfully bid to become a QUEST managed care plan administrator. However, they believe QUEST performance-bond and geographic-coverage requirements are significant barriers to successful center bids. ²⁴
The cost experience in Hawaii is seemingly anomalous because, while per capita health care costs are similar in Hawaii and the nation, insurance premiums are lower in Hawaii. PHCA was intended to expand access to coverage, but it did not include explicit efforts to control health care costs. ²⁵
Per capita expenditures in Hawaii have been very similar to the national average since 1974, and both have increased more rapidly than the overall rate of inflation. The same factors in the health care economy have influenced this trend in Hawaii and the rest of the nation. At the same time, however, health insurance premiums are generally lower in Hawaii than in the nation as a whole and have risen at a slightly slower rate than nationally.
Hawaii's per capita health care expenditures continue to be similar to national levels. We reported earlier that Hawaii's per capita health care expenditures from 1974 to 1982 tracked the national average at the same time the state widened access to coverage through its employer mandate. ²⁶ Similarly, from 1980 to 1991, Hawaii's per capita expenditures for hospitals, physicians, and prescription drugs tracked the national average
²⁴ The QUEST request for proposals requires successful bidders to obtain a \$1 million performance bond for the state to hold as security against the proper performance of the contract. The bond will be adjusted according to the number of recipients enrolled. After adjustment, the bond must be sufficient to cover approximately 2 months of capitated payments. A center representative estimated that this would require a \$2 million to \$3 million bond. Regarding geographic coverage, successful bidders must accept recipients from all geographic areas on a particular island, except on the island of Hawaii, which due to its size is divided into two geographic regions. ²⁵ Hawaii, however, does have certificate-of-need requirements for hospital construction; changes in

"Hawaii, however, does have certificate-of-need requirements for hospital construction; changes in service; and major capital equipment purchases, such as magnetic resonance imaging machines.

²⁶Access to Health Care: States Respond to Growing Crisis (GAO/HRD-92-70, June 16, 1992).

(see fig. 1). Between 1980 and 1991, those expenditures increased at an average annual rate of 9.8 percent in Hawaii and 9.4 percent in the nation.



Source: Health Care Financing Administration.

Same Factors Drive Up Health Care Costs in Hawaii and the United States In both Hawaii and the nation as a whole, health care costs have been rising more rapidly than the average rate of inflation for other goods and services (see fig. 2).²⁷ State officials, insurers, and health care providers told us that Hawaii is not immune to the factors that have driven up health care costs nationally. These officials said that administrative costs are high and rising; wages for health care professionals, particularly nurses and

²⁷Figure 2 uses the rate of inflation for Honolulu because statewide data are not available. The Honolulu data are representative of Hawaii's experience because 75 percent of Hawaii's population resides there.

some technical specialists, have risen significantly in recent years; and medical equipment costs are rising due to advances in technology.²⁸



Table 1: Growth in Hawaii and U.S.		Fiscal year		
Medicaid Expenditures		1990	1991	1992
	Hawaii	17%	10%	32%
	U.S.	18%	27%	30%
	Source: Hawaii State Department of Human Resources (HCFA).	; Health Care Financi	ng Administrati	on
	requiring the state legislature to appropri cover costs. Most of the upsurge in Hawa because of increased enrollment prompte eligibility, Hawaii's recent economic dow program, which enrolled additional eligit program. The cost per Medicaid beneficia year 1989 to fiscal year 1991, Hawaii's ava between 7 and 9 percent each year, ³⁰ prir of health care. (See app. II for additional Hawaii's Medicaid program.)	ii's Medicaid co ed by expanded nturn, and the s ole people in the ary also increase erage cost per re narily due to the	sts occurre federal pro HIP outreac Medicaid ed; from fis ecipient ros escalating	ed gram ch cal se cost
Health Insurance Premiums Lower in Hawaii	Health insurance premiums are lower an Hawaii than in the nation as a whole (see for three of the most prevalent health pla plan and two small-business plans—were of \$1,604 for comparable coverage by \$35 figure for the national average includes of companies—and premiums for large com those for small companies—the lower co small-business plans is especially notable Hawaii told us that premiums for small b different from those for large businesses	e fig. 3). In 1991, ns in Hawaii— e lower than the 58 to \$396 (see f osts for both lan panies typically ost for the two H e. Moreover, ins usinesses in Ha	annual pre one large-bu U.S. averag ig. 4). Beca rge and sma y cost less t lawaii urance offic	miums usiness ge cost use the all han cials in

³⁰From 1988 to 1991, nationwide Medicaid expenditures per capita grew at an average annual rate of 12.3 percent.



15.0 Average Annual Percentage Change



Note: Data for Hawaii are based on annualized changes for single coverage plans for 1984-92.

Sources: Kaiser Foundation of Hawaii, HMSA, and Foster Higgins Health Care Benefits Survey for 1984-92.



Figure 4: Annual Medical Plan Costs for Single Coverage in Hawaii Compared to the United States in 1991

Source: Kaiser Foundation of Hawaii, HMSA, and 1991 Wyatt COMPARE Data Base.

Several factors may contribute to Hawaii's lower premium costs. One is the reduced amount of cost shifting in Hawaii. In general, health care providers pass on the cost of providing uncompensated care to patients with private insurance coverage. Because relatively few Hawaii residents are uninsured, the need for people with insurance to cover such extra costs is minimized. As a result of the state's requirement that all eligible employees accept health insurance, healthy people cannot opt out of the system. Total health care costs, therefore, are spread over wider risk pools that include both healthy and less healthy people. An additional factor that lowers costs for many small businesses is the major insurers' use of

	modified community rating for small businesses. ³¹ (See app. III for detailed information on health insurance premiums in Hawaii.)
Small Businesses Report Little Adverse Impact From Employer Mandate	Most small businesses in Hawaii expressed general satisfaction with the Hawaii health insurance system, but they regard the mandatory provision of insurance as a burden. We found no evidence that the employer mandate resulted in large disruptions in Hawaii's small business sector. ³² Preliminary results from a Louis Harris and Associates, Inc. survey of small businesses ³³ in Hawaii conducted for the Kaiser Family Foundation ³⁴ found that taxes and health insurance are viewed as the top two problems facing small business. Fifty-six percent of small businesses that were surveyed considered the cost of health insurance to be a major problem—more than any other government requirement. ³⁵ However, more small businesses in Hawaii considered the inflation of their health care costs to be under control (54 percent) rather than out of control (41 percent). ³⁶ This is a more favorable view than the view of small businesses in the rest of the country, 62 percent of which characterized the inflation of their health care costs as somewhat or totally out of control.
	³¹ When insurers use community rating, they base premiums on the anticipated health care utilization of all subscribers in a particular geographic area or other broad grouping. This contrasts with the more common practice of experience rating, in which insurers base premium rates on the medical experience of each insured group. The major fee-for-service insurer in Hawaii uses a system of modified community rating for businesses with fewer than 100 employees. Small businesses are placed in one large risk pool, but their premiums may be adjusted up or down by up to 20 percent, depending on their utilization. For large businesses, however, Hawaii's major insurers determine rates from a company's experience. This results in a wider range of insurance premiums for large companies, with some large businesses paying higher premiums than small ones. ³² State officials point to the limited use of a State Premium Supplementation Fund as evidence that Hawaii's employer mandate has not overburdened small businesses. PHCA established the fund to subsidize employers with fewer than eight employees, and to pay health care benefits for employees of bankrupt or noncompliant employers. Since July 1975, the state has paid less than \$110,000 from this fund. However, business leaders told us that few businesses knew of the existence of the fund until recently, and state officials axid that the limitations on the use of the fund are very restrictive. Consequently, the use of the fund may not be a good indicator of the effect of the mandate on small
	 ³³These were businesses with 100 or fewer employees; firms of this size employ over half of the state's work force. ³⁴Kaiser/Harris Survey of Small Business Owners in Hawaii, 1993 (preliminary findings). ³⁶Other requirements include worker's compensation, unemployment compensation, and occupational safety and health requirements.
	³⁶ Forty-six percent of the companies surveyed in Hawaii considered health care cost inflation to be somewhat under control and 8 percent considered these costs to be completely under control.

Businesses Dislike System Inflexibility	Business leaders we interviewed had two complaints related to the inflexibility of the health insurance mandate. First, they were unhappy about the current cap on required employee contributions. Because the level of the cap is 1.5 percent of gross pay, employers pay most of the health insurance premiums. Some employers opt to pay the entire premium. Second, since the passage of the 1974 act, five new mandated benefits have been included in the state insurance code, ³⁷ and businesses are concerned about what they regard as an escalating trend of new mandated benefits.		
	Business leaders we interviewed disliked the inflexibility of the mandated benefitsthey would prefer to tailor health benefits to the needs of their particular employees. For example, employers cannot delete a mandated benefit, such as well-baby care, that may not suit their employees, in order to provide additional benefits, such as dental care.		
Insurance Mandate Has Little Effect on Employment Practices	Policymakers and business representatives often express concerns about the effect of an employer mandate on employment practices, including possible reliance on part-time workers, overall employment levels, and effects on salary and other benefits. Because mandatory insurance is required only for employees who work at least 20 hours a week, Hawaii's mandate could cause firms to hire more part-time workers. Three of 10 businesses questioned by the Louis Harris survey reported that in the past 2 years they have hired people for fewer than 20 hours a week primarily to avoid the cost of providing health insurance. However, business leaders told us that hiring part-time workers causes additional administrative burdens and, therefore, has not become a prevalent practice in most industries. The Bureau of Labor Statistics reports that the percentage of part-time workers in Hawaii (which it defines as those working fewer than 35 hours per week) has been lower than or comparable to the average for the rest of the country over the past several years. In 1992, 18.2 percent of Hawaii's work force was employed part-time, compared to 19.2 percent nationwide. ³⁸		
	More than three-fourths of small businesses surveyed by Louis Harris reported that the mandate has had little to no effect on employment levels,		
	³⁷ These benefits are well-baby care, in vitro fertilization, mammogram screenings, mental health and substance abuse treatment, and newborn adoptee coverage.		
	³⁸ Because neither the State of Hawaii nor federal agencies report data on the percentage of workers who are employed fewer than 20 hours per week, data were not readily available to independently determine if a change in the percentage of workers employed fewer than 20 hours a week has occurred since PHCA took effect.		

	salaries, or other benefits. Nonetheless, about one-fifth of small businesses said that they hired workers who already had insurance through a spouse or another employer, in order to avoid the cost of insuring that worker. Many economists have argued that mandated employer-based benefits do cause a change in wage structures: a higher portion of worker compensation will be in the form of benefits and a smaller portion in the form of take-home wages. ³⁹ Average wages in Hawaii are below the national average, but whether this is attributable to the health care mandate or to other variables is not known. (See app. IV for additional information on economic trends in Hawaii.)
	Business leaders we interviewed said that because of Hawaii's low unemployment rate—below 5 percent in July 1993—employers would offer health insurance without the employer mandate to compete for qualified workers. Indeed, when the employer mandate took effect, neither HMSA nor Kaiser experienced unusually large enrollment increases, according to HMSA and Kaiser officials. However, the business leaders acknowledged that the mandate may be preventing some employers from dropping health insurance coverage, particularly during economic downturns.
Providers Generally Satisfied	Health care providers we interviewed were generally satisfied with Hawaii's health care system because the widespread insurance coverage has decreased the amount of uncompensated medical care. However, providers were concerned about the effect of low compensation from public programs, such as Medicaid, which results in their shifting costs to patients with private insurance. The president of one provider association said that he is hopeful that the new Hawaii Health QUEST project will address this problem but was cautious about expecting the problem to be solved.
Implications for Health Care Reform	 Hawaii's experience offers three lessons: Hawaii's experience indicates that an employer mandate by itself will not necessarily result in universal access to health care. Other publicly sponsored programs are necessary to reach residents who are not able to
	³⁸ Victor R. Fuchs, "National Health Insurance Revisited," National Bureau of Economic Research Working Paper #3884 (1991); Lawrence H. Summers, "What Can Economics Contribute to Social Policy? Some Simple Economics of Mandated Benefits," <u>AEA Papers and Proceedings</u> , Vol. 79, No. 2 (1989), pp. 177-183; and <u>Economic Implications of Rising Health Care Costs</u> , Congressional Budget Office (1992), pp. 34-39.

obtain health insurance at work or who are unemployed. Even if everyone has insurance, special programs may be necessary to assure that all residents have adequate access to health services.

- Hawaii's system of near-universal access has resulted in lower health insurance premiums, particularly for small businesses. However, Hawaii's PHCA did not have explicit cost-control provisions, and Hawaii's health care costs have risen at a rate similar to the national average.
- In Hawaii, the one state with an employer mandate, the mandate has not created large dislocations in the small business sector. However, factors unique to Hawaii may have contributed to this outcome. For example, Hawaii's tradition of employer-provided benefits means that Hawaii may have started with a higher percentage of insured individuals than the United States has now. Additionally, at the time Hawaii introduced its employer mandate, the cost of providing health insurance was significantly lower than it is today.

We discussed the results of this review with officials in the Hawaii Departments of Human Services and Health, as well as officials from the major insurers and representatives of primary care centers. They generally agreed with the information presented. We have incorporated their comments where appropriate. Additionally we sent a draft of this report to the Director of the Hawaii Department of Health for review; however, we did not receive any further comments.

We carried out our work from July to November 1993 in accordance with generally accepted government auditing standards.

As agreed with your office, unless you publicly announce its content earlier, we plan no further distribution of this report until 30 days after its issue date. At that time, we will send copies of this report to the Director, Office of Management and Budget, and interested congressional committees. We will also make copies available to others on request. Please call me on (202) 512-7119 if you or your staff have any questions about this report. Major contributors are listed in appendix VI.

Sincerely yours,

Mart V. Madel

Mark V. Nadel Associate Director, National and Public Health Issues

GAO/HEHS-94-68 Health Care in Hawaii

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Abbreviations

COBRA	Consolidated Omnibus Budget Reconciliation Act of 1985
CPI	consumer price index
CPS	Current Population Survey
DSH	disproportionate share hospital program
ERISA	Employee Retirement Income Security Act of 1974
HCFA	Health Care Financing Administration
HMSA	Hawaii Medical Service Association
PHCA	Prepaid Health Care Act
SHIP	State Health Insurance Program
QUEST	Quality care, ensuring Universal access, encouraging
	Efficient utilization, Stabilizing costs, and Transforming the
	way health care is provided to public clients
SSI	Supplemental Security Income

Appendix I Hawaii Prepaid Health Care Act





	(B) To defray or reimburse, in whole or in part, the expenses of health care.
(7) "Prepaid health care plan contractor" means:
to prov	(A) Any medical group or organization which undertakes under a prepaid health care plan ide health care; or
10 1101	(B) Any sonprofit organization which undertakes under a prepaid health care plan to
defray	or reimburse in whole or in part the expenses of health care; or
whole	(C) Any insurer who undertakes under a prepaid health care plan to defray or reimburse in or in part the expenses of health care.
) "Regular employee" means a person employed in the employment of any one employer
for at	least twenty hours per week but does not include a person employed in seasonal
employ	ment. "Seasonal employment" for the purposes of this paragraph means employment in a
	I pursuit as defined in section 387-1 by a seasonal employer during a seasonal period or 1 periods for the employer in the seasonal pursuit or employment by an employer engaged
	cultivating, harvesting, processing, canning, and warehousing of pineapple during its
	l periods. The director by rule and regulation may determine the kind of employment that
	ites seasonal employment.) "Wages" means all remuneration for services from whatever source, including
	sions, bonuses, and tips and gratuities paid directly to any individual by a customer of his
employ	er, and the cash value of all remuneration in any medium other than cash.
	the director may issue regulations for the reasonable determination of the cash value of
	ration in any medium other than cash. the employee does not account to his employer for the tips and gratuities received and is
	l in an occupation in which he customarily and regularly receives more than \$20 a month in
	combined amount received by him from his employer and tips shall be deemed to be at
director	ual to the wage required by chapter 387 or a greater sum as determined by regulation of the
	vages" does not include the amount of any payment specified in section 383-11 or 392-22
	ter 386. [L 1974, c 210, pt of §1; am L 1976, c 78, §1]
	93-4 Place of performance. "Employment" includes an individual's entire service,
	ed within or both within and without this State if: The service is localized in this State; or
	The service is not localized in any state but some of the service is performed in this State
and	
which e	(A) the individual's base of operation, or, if there is no base of operation, the place from ach service is directed or controlled, is in the State; or
winch s	(B) the individual's base of operation or place from which the service is directed or
controll	ted is not in any state in which some part of the service is performed but the individual's
residenc	e is in this State. [L 1974, c 210, pt of §1]
	3-5 Excluded services. "Employment" as defined in section 393-3 does not include
	wing services: Service performed by an individual in the smalley of an analogue when by the boxes of the
United 3	Service performed by an individual in the employ of an employer who, by the laws of the States, is responsible for cure and cost in connection with such service.
(2)	Service performed by an individual in the employ of his spouse, son, or daughter, and
service	performed by an individual under the age of twenty-one in the employ of his father or
mother.	Service performed in the employ of a valuetory construction for the service of the
providir	Service performed in the employ of a voluntary employee's beneficiary association ag for the payment of life, sick, accident, or other benefits to the member of the association
or their	dependents or their designated beneficiaries, if
1	A) admission to membership in the association is limited to individuals who are officers or
	es of the United States government, and B) no part of the net earnings of the association inures (other than through such payments)
to the b	enefits of any private shareholder or individual.
	THE STATE OF THE STRICTORS OF THE TAULET.



(i) Room accommodations;
(ii) Regular and special diets;
(iii) General nursing services;
(iv) Use of operating room, surgical supplies, anesthesia services, and supplies;
(v) Drugs, dressings, oxygen, antibiotics, and blood transfusion services.
(B) Out-patient care:
 (i) Covering use of out-patient hospital; (ii) Facilities for surgical procedures or medical care of an emergency and urgent hature.
(ii) Figurines for surgical procedures of include care of an emergency and agoin meters.
(A) Surgical services performed by a licensed physician, as determined by plans meeting the
standards of subsections (a) and (b);
(B) After-care visits for a reasonable period;
(C) Anesthesiologist services.
(3) Medical benefits:
(A) Necessary home, office, and hospital visits by a licensed physician;
 (B) Intensive medical care while hospitalized; (C) Medical or surgical consultations while confined.
(4) Diagnostic laboratory services, x-ray films, and radio-therapeutic services, necessary for
diagnosis or treatment of injuries or diseases.
(5) Maternity benefits, at least if the employee has been covered by the prepaid health care plan
for nine consecutive months prior to the delivery.
*(6) Substance abuse benefits:
(A) Alcoholism and drug addiction are illnesses and shall receive benefits as such. In-patient
and out-patient benefits for the diagnosis and treatment of substance abuse, including but not
limited to alcoholism and drug addiction, shall be specifically stated and shall not be less than the benefits for any other illness, except as provided in this subsection. Medical treatment of substance
abuse shall not be limited or reduced by restricting coverage to the mental health or psychiatric
benefits of a plan. However, any psychiatric services received as a result of the treatment of
substance abuse may be limited to the psychiatric benefits of the plan.
(B) Out-patient benefits provided by a physician, psychiatrist, or psychologist, without
restriction as to place of service; provided that health plans of the type specified in section
393-12(a) shall retain for the contractor the option of:
(i) Providing the benefits in its own facility and utilizing its own staff, or
(ii) Contracting for the provision of these benefits, or (iii) Authorizing the patient to utilize outside services and defraying or reimbursing the
(iii) Authorizing the patient to unlize outside services and deraying of removining the expenses at a rate not to exceed that for provision of services utilizing the health contractor's own
facilities and staff.
(C) Detoxification and acute care benefits in hospital or any other public or private
treatment facility, or portion thereof, providing services especially for the detoxification of
intoxicated persons or drug addicts, which is appropriately licensed, certified, or approved by the
department of health in accordance with the standards prescribed by the Joint Commission on
Accreditation of Hospitals. In-patient benefits for detoxification and acute care shall be limited in
the case of alcohol abuse to three admissions per calendar year, not to exceed seven days per
admission, and shall be limited in the case of other substance abuse to three admissions per calendar year, not to exceed twenty-one days per admission.
(D) Prepaid health plans shall not be required to make reimbursements for care furnished by
government agencies and available at no cost to a patient, or for which no charge would have been
made if there were no health plan coverage.
(d) The prepaid health care advisory council shall be appointed by the director and shall
include representatives of the medical and public health professions, representatives of consumer
interests, and persons experienced in prepaid health care protection. The membership of the
council shall not exceed seven individuals. [L 1974, c 210, pt of §1; am L 1976, c 25, §2]
*Not a required benefit. (The President signed Public Law 97-473 bn January 14, 1983 which exempted the Nawaii Prepaid
Health Care Act from preemption by the Employee Retirement Income Security Act (ERISA), but substance abuse benefits were deleted.)





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SI	§12-12-73 Coverage by the fund. (a) Notwithstanding section 12-12-41(d), the premium applementation fund shall provide benefits to an eligible employee whose employer has failed to
	rovide coverage in the following manner:
	(1) The eligible employee shall be deemed to have selected the most prevalent reimburse- ment plan if the services were obtained from a health care provider normally paid by such plan.
	(2) The eligible employee shall be deemed to have selected the most prevalent fee for service plan if services were obtained from a fee for services health care provider.
	(b) The premium supplementation fund shall reimburse the eligible employee for payment fees based on subsection (a)(1) or (2) less the premium the employee would have paid for such
ye	overage. A claim for reimbursment shall be filed on a form provided by the director within two ars after such services are provided, and shall contain a certification by the eligible employee that
A	e employer has refused a written request to provide the required benefits to the eligible employee. n employer shall be deemed to have refused to provide such benefits where the employer fails to ontact such eligible employee within thirty calendar days after such eligible employee makes a
	(c) Any employee who is eligible for or received benefits under other laws shall not be
	titled to benefits under this section. (d) The health care contractor with the most prevailing plan selected in the category of
re	bsection (a)(1) or (2) shall assist the department, upon request, in arriving at the proper imbursement to the eligible employee. [Eff: May 7, 1981] (Auth: HRS §393-32) (Imp: RS §393-48)
	§§12-12-74 to 12-12-75 (Reserved)
	SUBCHAPTER 7 PENALTIES
	§12-12-76 Penalties. Penalties under section 393-33, HRS, shall be assessed by the rector, or a designated representative, after hearings held in accordance with chapter 91, HRS. ff: May 7, 1981] (Auth: HRS §393-32) (Imp: HRS §393-33)
E	fective: May 7, 1981

Appendix II Hawaii's Medicaid Program

Hawaii established its Medicaid program in 1966 under title XIX of the Social Security Act. Initially, the state used government salaried physicians, hospital outpatient clinics at nonprofit hospitals, and state-owned facilities to serve Medicaid recipients. Later in the 1960s, the program moved from exclusively using government health care providers to giving recipients a choice of public and private providers. The State Department of Human Services oversees Hawaii's Medicaid program and the Hawaii Medical Services Association serves as the program's fiscal agent—the agency that administers the program's claims processing functions.

The greatest number of Medicaid recipients live on the island of Oahu; however, the islands of Molokai and Hawaii have the highest percentage of Medicaid recipients when compared to their total populations. In fiscal year 1992, nearly 24 percent of Molokai's residents were covered by Medicaid and approximately 14 percent of the island of Hawaii's residents were on Medicaid.¹ The island of Lanai has both the lowest number of Medicaid recipients and the lowest percentage of recipients (4 percent).

Hawaii's Medicaid-Eligible Population Is Rising

Hawaii's Medicaid-eligible population grew significantly over the past few years. Hawaii's average monthly Medicaid-eligible population rose from 72,070 in fiscal year 1989 to about 101,000 in fiscal year 1993. The expansion in eligibility, combined with outreach activities for the State Health Insurance Program, contributed significantly to the increase in the number of residents identified as eligible for Medicaid.² Table II.1 shows the average monthly Medicaid-eligible population for fiscal years 1989 through 1993.

Table II.1: Hawaii Average Monthly Medicaid-Eligible Population (Fiscal Years 1989-93)

	Fiscal year				
	1989	1990	1991	1992	1993
Average monthly eligible					
population	72,070	73,364	74,573	88,260	101,000

^aState of Hawaii Department of Human Services estimate.

Source: State of Hawaii Department of Human Services and annual Medicaid Report for the State of Hawaii.

¹The fiscal year 1992 figures were the most recent figures available from the state and HMSA.

²In 1989, Hawaii expanded its Medicaid eligibility to include such optional groups as pregnant women and infants with family incomes less than or equal to 185 percent of poverty, and the elderly and disabled whose income is less than or equal to 100 percent of poverty.

	Appendix II Hawaii's Medicaid Program		
	With the rise in the number of Hav an increase in Medicaid expenditu		
	benefits paid to providers. While p reimbursement rates to be low in the state than they are nationally.	providers consider Medicaid Hawaii, the rates are slightly hi	gher in
	providers by Medicaid in Hawaii t the nation as a whole.		
	providers by Medicaid in Hawaii t	o the average fees paid by Med	
	providers by Medicaid in Hawaii t the nation as a whole.		icaid in United
	providers by Medicaid in Hawaii t	o the average fees paid by Med Hawaii	icaid in United States 0.62
	providers by Medicaid in Hawaii t the nation as a whole. Primary care	o the average fees paid by Med Hawaii 0.58	United States 0.62 0.49
	providers by Medicaid in Hawaii t the nation as a whole. Primary care Hospital visits	o the average fees paid by Med Hawaii 0.58 0.57	United States 0.62 0.49 0.49
	providers by Medicaid in Hawaii t the nation as a whole. Primary care Hospital visits Surgery	o the average fees paid by Med Hawaii 0.58 0.57 0.61	icaid in United States
Table II.2: Ratio of Medicaid Maximum Fees to Private Fee Levels, 1990	providers by Medicaid in Hawaii t the nation as a whole. Primary care Hospital visits Surgery OB-Gyn	o the average fees paid by Med Hawali 0.58 0.57 0.61 0.63	United States 0.62 0.49 0.49 0.57

HMSA attributed this increase to the greater number of recipients using these services. See table II.3 for a summary of total Medicaid expenditures and table II.4 for information about the growth in Medicaid enrollment and expenditures in Hawaii and the United States.

Table II.3: State and Federal MedicaidExpenditures for Hawaii (Fiscal Years1989-92)

Dollars in Millions				
		Fiscal ye	ar	
	1989	1990	1991	1992
Hawaii	\$109.2	\$128.9	\$141.6	\$183.5
Federal	98.0	113.1	125.1	169.6
Total	207.2	242.0	266.7	353.1

Source: State of Hawaii Department of Human Services.

Appendix II Hawaii's Medicaid Program

Table II.4: Average Annual Growth inMedicaid Enrollment and Expenditures(Fiscal Years 1988-90)

	Hawaii	United States
Enrollment	1.82%	5.20%
Expenditures	13.67	15.84
Expenditures per enrollee	11.64	10.11

Source: Health Care Financing Administration.

Premium History of Prevalent Insurance Plans in Hawaii (1984-93)

	Kaiser ^a Smali Busi	Kaiser ^a Smali Business Plan B		HMSA ^b Small Business Plan 4		Kaiser* Large Group Plan B	
	Monthly premium	Percent change	Monthly premium	Percent change	Monthly premlum	Percent change	
1984	\$52.92		\$47.52	· · · · · · · · · · · · · · · · · · ·	\$52.92		
1985	67.92	28.34%	47.52	0.00%	67.92	28.349	
1986	61.62	-9.28	55.72	17.26	61.62	-9.28	
1987	63.88	3.67	64.70	16.12	63.88	3.67	
1988	66.24	3.69	73.12	13.01	66.24	3.69	
1989	72.68	9.72	87.58	19.78	72.68	9.72	
1990	90.36	24.33	94.62	8.04	90.36	24.33	
1991	100.70	11.44	101.58	7.36	103.80	14.87	
1992	107.20	6.45	109.72	8.01	117.65	13.34	
1993	115.49	7.73	128.38	17.01	130.49	10.91	

Note: All premiums are for individual coverage.

^aKaiser Foundation Health Plan.

^bHawaii Medical Service Association.

Source: Kaiser Foundation Health Plan and Hawaii Medical Service Association.

General Employment and Business Data: Hawaii Compared to the United States

Data that would permit a definitive evaluation of the Prepaid Health Care Act's effect on Hawaii's businesses have not been developed. However, some key employment indicators show that Hawaii has done as well or better than the United States as a whole. This appendix contains data on these economic indicators. Table IV.1 shows that from 1976 to 1992, Hawaii's part-time employment rate has remained close to the U.S. average, and table IV.2 demonstrates that since 1980 Hawaii's unemployment rate has been markedly lower than the U.S. average. Indexed growth rates from 1970 to the present for total private employment and employment in retail and wholesale trades show that Hawaii outstrips the U.S. average (figures IV.1 and IV.2).

Table IV.1: Part-Time EmploymentRates in the United States and Hawaii,1976-1992 Annual Averages

	Part-time employ percent of total en	
	United States	Hawaii
1976	18.4	18.6
1977	18.3	17.9
1978	18.0	18.0
1979	17.9	17.4
1980	18.7	19.0
1981	19.0	18.6
1982	20.5	19.2
1983	20.3	18.1
1984	19.2	20.0
1985	19.0	20.3
1986	19.0	19.2
1987	18.8	20.0
1988	18.7	19.0
1989	18.5	16.8
1990	18.5	16.0
1991	19.2	16.1
1992	19.2	18.1

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Appendix IV General Employment and Business Data: Hawaii Compared to the United States

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Table IV.2: Unemployment Rates in theUnited States and Hawaii, 1976-1992;Annual Averages and First 6 Months of		United States	Hawaii
993, Seasonally Adjusted	1976	7.7	9.8
	1977	7.1	7.3
	1978	6.1	7.7
	1979	5.8	6.3
	1980	7.1	4.9
	1981	7.6	5.4
	1982	9.7	6.7
	1983	9.6	6.5
	1984	7.5	5.6
	1985	7.2	5.6
	1986	7.0	4.8
	1987	6.2	3.8
	1988	5.5	3.2
	1989	5.3	2.6
	1990	5.5	2.8
	1991	6.7	2.8
	1992	7.4	4.5
	1993	7.0	4.7

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Appendix IV General Employment and Business Data: Hawaii Compared to the United States

Figure IV.1: Total Private Employment, Hawaii and the United States (1970-92)



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Appendix IV General Employment and Business Data: Hawaii Compared to the United States

Figure IV.2: Retail and Wholesale Trade Employment, Hawali and the United States (1970-92)



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Medicaid Disproportionate Share Hospital Program in Hawaii

Hospitals that serve large numbers of Medicaid patients can face significant financial burdens because Medicaid generally reimburses providers at a lower rate than other insurers. To reduce the burden, the Congress established the Medicaid disproportionate share hospital program (DSH) in 1981.¹ The program allows states to designate hospitals treating large numbers of low-income patients as "disproportionate share hospitals" and to give these hospitals additional Medicaid reimbursement.

Federal legislation gives states minimum criteria and formulas for identifying hospitals that qualify for disproportionate share status. This legislation requires states to consider the amount of charity care provided by the hospitals when deciding if they qualify as disproportionate share hospitals and in calculating their reimbursements. Each state chooses the formulas that are used to qualify hospitals for disproportionate share status and to determine the amount of funds these hospitals receive.² In Hawaii, 23 of the 28 acute care facilities in the state received disproportionate share payments in fiscal year 1992. (See table V.1 for data on hospitals' Medicaid utilization, revenues, and income in fiscal year 1992.)

In recent years, disproportionate share payments have climbed rapidly in Hawaii. State officials attribute this increase to Hawaii's decision to designate as disproportionate share hospitals those facilities that derived more than \$100,000 of annual revenue from public funds for the care of low-income patients. Total disproportionate share payments in Hawaii rose from almost \$8 million in fiscal year 1991 to over \$40 million in fiscal year 1992 (see table V.2).

¹Omnibus Budget Reconciliation Act of 1981, Public Law 97-35.

²Criteria established by State of Hawaii to qualify hospitals as disproportionate share facilities read as follows:

A. Either-

⁽¹⁾ Has at least two obstetricians with staff privileges at the facility who have agreed to provide obstetric services to individuals who are eligible for assistance under the Medicaid program; or (2) Did not offer non-emergency obstetric services as of December 22, 1987; and B. Either—

⁽¹⁾ Has indigent inpatient days equal to or greater than 15 percent of total acute inpatient days; or (2) Has a Medicaid inpatient utilization rate equal to or greater than one standard deviation above the statewide mean Medicaid inpatient utilization rate; or

⁽³⁾ Has a low income utilization rate equal to or greater than 25 percent; or

⁽⁴⁾ Is a hospital that derives more than \$100,000 of revenue from public funds paid for care of low-income patients (including state general assistance and state cash subsidies but excluding Medicare and Title XIX, Medicaid funds).

Table V.1: Medicaid Utilization,Revenues, and Income (Fiscal Year1992)

Hospital location and name	Medicaid utilization rate (percent)	Net patient revenues	Net income (loss)
Island of Hawali			
Hilo Hospital ^a	13.64	\$48,834,080	4,995,302
Honokaa Hospital ^a	1.91	1,958,418	328,212
Kau Hospital ^a	16.00	880,418	205,468
Kohala Hospital ^a	0.89	586,054	(1,704,457)
Kona Hospital ^a	17.93	19,901,043	955,017
Island of Kaual			•••••••••••••••••••••••••••••••••••••••
Kauai Veterans Memorial Hospitala	10.71	1,589,644	(6,185,936)
Samuel Mahelona Memorial Hospitala	0	3,754,345	(298,725)
Wilcox Memorial Hospital ^b	12.28	32,982,587	(173,593)
Island of Lanal			
Lanai Community Hospital ^a	34.02	513,311	(166,872
Island of Maul			
Maui Memorial Hospital ^a	9.47	38,767,598	1,147,543
Island of Molokal			
Molokai General Hospital ^b	Ð	2,152,068	(1,398,039
Island of Oahu			
Castle Medical Center ^c	25.85	43,422,026	2,218,411
Kahuku Hospital ^b	29.72	3,461,775	169,581
Kaiser Foundation Hospital-Hawaiib	1.03	9	
Kapiolani Medical Center for Women and Children ⁶	34.64	113,234,952	16,491,907
Kuakini Medical Center ^b	4.69	88,902,881	(470,757
Pali Momi Medical Center ^b	10.52	30,403,935	(6,601,193
The Queens Medical Center ^b	17.58	222,629,488	14,482,044
Rehabilitation Hospital of the Pacific ^b	11.14	19,582,072	908,242
St. Francis Medical Center°	11.29	6	
St. Francis Medical Center-West ^e	24.67	24,121,083	(3,355,212
Straub Clinic and Hospitald	6.28	153,466,573	(5,495,748
Wahiawa General Hospital ^b	13.88	23,903,723	(961,100

^aState hospital.

^bNonprofit hospital.

°Church hospital.

^dProprietary hospital.

*Not available.

Table V.2: DSH Payments (Fiscal Years 1991 and 1992)

Hospital location and name	1991 DSH	1992 DSH	Percent
Island of Hawali			
Hilo Hospital ^a	\$371,654	\$3,544,535	854
Honokaa Hospital ^a	152,233	527,270	246
Kau Hospital ^a	68,845	420,949	511
Kohala Hospital ^a	145,649	757,654	420
Kona Hospital ^a	1,180,328	4,934,850	318
Island of Kauai			
Kauai Veterans Memorial Hospital ^a	768,176	3,440,496	348
Samuel Mahelona Memorial Hospital ^a	255,733	1,438,853	463
Wilcox Memorial Hospital ^b	138,575	386,021	· 179
Island of Lanal			
Lanai Community Hospital ^a	61,897	334,264	440
Island of Maui			
Maui Memorial Hospital ^a	422,153	7,105,387	1,583
Island of Molokai			
Molokai General Hospital ⁶	1,275	9,500	645
Island of Qahu			
Castle Medical Center ^c	473,462	1,832,887	287
Kahuku Hospital ^b	498,406	515,604	3
Kaiser Foundation Hospital-Hawaiib	20,849	276,420	1,226
Kapiolani Medical Center for Women and Children ^b	106,003	1,293,745	1,120
Kuakini Medical Center ^b	162,955	585,584	259
Pali Momi Medical Center ^b	104,182	509,901	389
The Queens Medical Center ^b	2,238,280	8,676,643	288
Rehabilitation Hospital of the Pacific ^b	119,999	883,493	636
St. Francis Medical Center ^c	301,193	1,336,270	344
St. Francis Medical Center-West ^o	272,182	575,471	111
Straub Clinic and Hospital ^d	105,404	668,346	534
Wahiawa General Hospital ^b	28,064	299,991	969
		200,001	

^aState hospital.

^bNonprofit hospital.

°Church hospital.

^dProprietary hospital.

Appendix VI Major Contributors to This Report

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