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ABSTRACT

The adequacy of health sciences education enrollment levels in California is reviewed in the context of the 1981 Health Manpower Plan. After reviewing the Plan, attention is focused on two continuing problems among the issues: medical residencies and attrition in the nursing profession. New issues that receive extensive treatment in the 1981 Plan are discussed: (1) the "pro-competitive" model of health care in the United States; (2) the need for mental health manpower; and (3) the need for geriatric manpower. The major portion of the report consists of detailed information on enrollments and the number of degrees conferred in the various health sciences disciplines and programs in California colleges and universities. Most data comparisons begin with the year 1975-1976, and two student demographic characteristics are highlighted: ethnicity and sex. A broad overview of the size of educational programs in the various health fields by enrollment and output is included, along with data on changes in student characteristics. The following disciplines are covered: medicine, nursing, dentistry, pharmacy, optometry, podiatry, osteopathy, and allied health. Appended materials include a portion of the text of Assembly Bill 1748 and a summary of recommendations of the 1978-1980 Health Sciences Plan. (SW)



HEALTH SCIENCES EDUCATION IN CALIFORNIA

1983-1984

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Commission Report 83-9 Adopted February 2, 1983

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PREFACE

This report, the third in a series of biennial health sciences education reports prepared by the California Postsecondary Education Commission, responds to Section 22712.5 of the <u>Education Code</u>, which calls on the Commission to issue every other year a "Health Sciences Education Plan" containing at least three items:

(a) A finding, taking into account the Health Manpower Plan issues by the State Department of Health, as to whether health sciences education enrollment levels are adequate to meet the needs in California for health perconnel by category and specialty within each category.

(b) A finding as to the extent to which the sites of health sciences training programs make maximum available use of existing clinical and classroom resources throughout the state.

(c) Recommendations concerning the establishment of new programs or the elimination of existing programs in health sciences according to findings in subdivisions (a) and (b).

(The complete text of the 1976 legislation authorizing this series of reports appears in Appendix A on pp. 77-79.)

The first report in the series, that of July 1979, entitled <u>A</u> <u>Health Sciences Education Plan for California: 1978-1980</u> (Commission Report 79-9) addressed all three charges of its statutory mandate at length, and it contained 17 major recommendations, more than half of which concerned health manpower directly as opposed to health sciences education. (These recommendations are reproduced in Appendix B on pp. 81-83.)

The second report in the series, that of January 1981, titled <u>A</u> <u>Report on Health Sciences Education Planning</u> (Commission Report 81-2) emphasized the first of these three charges--that of adequate enrollment levels in the health sciences. But by the time of its publication, the second of the charges, dealing with the utilization of existing clinical and classroom facilities for training purposes, appeared to be increasingly anachronistic--a holdover from the era of rapid program growth when new facilities were urgently needed. In addition, the inadvisability of such a sweeping approach to recommendations as the 17 in the first report was apparent, and hence the second report contained no formal recommendations at all,

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despite its reiteration of the Commission's commitment to earlier recommendations.

This third report seeks to fulfill the Commission's responsibility for monitoring the educational preparation of health manpower in light of California's Health Manpower Plan; but in terms of the $_{c}$ > three charges to the Commission regarding its content, like the second report it deals at greatest length with the first of the three. The bulk of its content consists of findings on the enrollment and output of health sciences programs in California's public and independent institutions of higher education, together with commentary on trends in enrollments and degrees granted that have implications for the size and composition of the State's health ... manpower pool. Like its predecessor, it deals only tangentially with the second charge regarding the utilization of existing facilities. And while it contains implications for State policy regarding health sciences education, it makes no recommendations "concerning the establishment of new programs or the elimination of existing programs," in keeping with the Commission's general posture in the area of program review, which is to rely instead on the segmental and institutional processes of programmatic self-assessment and evaluation which operate at the institutional and segmental levels and which the Commission seeks to encourage and improve.

The organization of this report, like its title and substance, departs somewhat from that of the earlier documents. Following this Preface, its first section reviews the most recent Healtn Manpower Plan produced by the Division of Health Professions Development in the Office of Statewide Health Planning and Development. Its second section examines the status of key issues identified by the Commission in the two previous reports and focuses on two continuing problems among all of these issues: medical residencies, and attrition in the nursing profession. The third and longest section consists largely of statistical data on enrollments and degree production in California's health sciences programs, with comments on those trends having particular significance for California's health manpower pool in the future.

The data in the third section of the report differ occasionally from those in the previous two reports, due to improvements in data gathering. In the course of assembling data for the first two reports as well as their forerunner document of 1976, <u>Health Manpower</u> <u>Study of Selected Health Professions in California</u>, by John C. Wong (Commission Report 76-11), multiple sources of data were in some instances used for the same table. This practice, in the name of completeness, introduced occasional uncertainties and inaccuracies into the tables. This year, a special effort has been made to refine, correct, and update the data in order to present the most reliable and internally consistent information possible for the

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years covered by the Commission's information system--1976 through 1981.

These improvements should not be interpreted to mean, however, that the data in this report are completely reliable indicators of enrollments or outputs in every program for every year. In spite of the progress of the Commission's information system, many problems remain in identifying and counting students, assembling and transmitting information about them, and analyzing and displaying institutional and segmental outcome data. At appropriate points in the tables of this report, caveats are included in the text or in notes, and further discussion about the problems of data about student ethnicity can be found on pp. ix-x of the Commission's <u>1982</u> <u>Information Digest</u>: <u>Postsecondary Education in California</u>. Subject to the limitations of those caveats, the Commission presents the following findings and conclusions as the best available overview of the status of education in the health sciences in California at this time.

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(As part of the process leading to a final report, this draft report will be submitted for review to all interested entities of government and health, including the segments of higher education, the Office of Statewide Health Planning and Development, appropriate professional associations and licensing boards, and other relevant agencies.)

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THE 1981 HEALTH MANPOWER PLAN

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In carrying out its responsibility of taking into account the Health Manpower Plan in the development of this report on health sciences education, the Commission has reviewed the 1981 Health Manpower Plan as it has the previous editions of that document. Furthermore, at the request of the authors of the Manpower Plan, the Division of health Professions Development of the Office of Statewide Health Planning, a staff member of that agency made a presentation on the document at the April 1982 meeting of the Commission.

CONTINUING MANPOWER PROBLEMS

Much of the 1981 Health Manpower Plan is a reiteration of the manpower problems identified in earlier plans, and it is not necessary to review this material in detail. Most of these problems have become perennial in nature, with ongoing State policies and, in some cases, programs having been developed to meet them. They include:

- 1. The geographic maldistribution of health care personnel in California in the light of aggregate numbers which are entirely adequate, and the resultant detrimental effect on health care delivery in some areas.
- 2. The need for significantly larger numbers of minority professionals in health fields, together with the need for larger numbers of women in most senior level health occupations.
- 3. The shortage of nurses willing to work under existing employment conditions in the light of a large and growing pool of licensed nurses.
- 4. And the need for the State to encourage the development of primary care in the health professions, and to encourage the use of mid-level practitioners when appropriate.

The Commission not only has endorsed the Health Manpower Plan's position on these issues, but in several instances has adopted recommendations on them that predate the position of the Office of Statewide Health Planning and Development.



NEW MANPOWER ISSUES

Three new areas receive extensive treatment in the 1981 Health Manpower Plan: (1) the "pro-competitive" model of health care in the United States; (2) the need for mental health manpower; and (3) the need for geriatric manpower. Each of them warrants review here.

The "Pro-Competitive" Model of Health Care in the United States

The pro-competitive model, in the broadest sense, is the concept that cost containment in medical care can be best assured through the development of more consumer choice among competitive modes of health care, with the consumer paying enough of the cost of health care out-of-pocket to be vitally interested in finding the least expensive mode. Various legislative proposals have been drafted to establish such a system, generally along lines suggested by the health economist Alain Ethoven, but in its purest form such competitive health care would exist with considerably less--rather than more--statutory framework for health care. The State Health Plan might thus be a more appropriate place to explore the concept of marketplace competition than the Health Manpower Plan, but the Manpower Plan relates the concept to manpower planning through its discussion of potential physician surplus as a factor in competition.

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Acknowledging that the needs of the State for policy in this area are not clear, the Manpower Plan calls for pilot projects, presumably at the community level, to determine if various kinds of competitive health care delivery systems can make more cost-effective use of health personnel. It also calls for a jofnt effort among the Division of Health Professions Development of the Office of Statewide Health Planning and Development, the University of California, and the Postsecondary Education Commission to study "in depth the (impact on health personnel of the competitive model of health service delivery systems." The Postsecondary Education Commission recognizes the need for State government to explore and understand the economies of health care more fully, and will welcome the opportunity to participate in such an endeavor.

Mental Health Manpower

The Health Manpower Plan's second new area of attention is mental health. It is clear that issues of mental health have often received less attention than those of physical health; indeed, the Commission

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is aware of how little it has said about educational programs in mental health in its two earlier biennial health sciences education reports. The Health Manpower Plan has now appropriately devoted considerable attention to the size and nature of mental health activities in California and to the kinds of professional and paraprofessional personnel who work in this field.

General recommendations in the Plan regarding mental health manpower call for greater recruitment of minorities into mental health programs and for more mental health personnel for rural areas-although the Plan admits that "there is no available evidence to conclude that people in low areas with few personnel have a poorer mental health status as a result" (p. 343). Somewhat more specific recommendations call for the State to "initiate" programs to train mid-level practitioners and paraprofessionals in mental health, although the Plan does not discuss the role of mid-level practitioners nor indicate the usefulness that paraprofessionals might bring to mental health growing out of their training as such.

The Commission is concerned with the Plan's use of the term initiate, and its implication that no programs now exist in these areas. Programs do exist, but in some cases special legal problems render them ineffective. One conspicuous example of mid-level mental health practitioners training in California was the joint program of the Berkeley and San Francisco campuses of the University of California which produced graduates with the Doctor of Mental Health degree--this program, however, was discontinued at the end of the 1981-82 year. In addition, the usefulness in mental health situations of nursing clinical specialists or nurse practitioners has been momentarily set back by the Board of Registered Nursing's abandonment of the psychiatric nursing section of the licensing examination, which means that California nurses, unlike their counterparts in other states, will have no certification with respect to psychiatric nursing. Paraprofessionals, as that term is used in the Maupower Plan, are trained in a number of programs listed in the Allied Health portion of the third section of this report. The Commission agrees that in some cases, career pathways can be made clearer and more meaningful for personnel in mental health components of allied health, but concludes that, in general, there is no compelling immediate need for additional programs in this area.

Geriatric Health Care Manpower

Geriatric health care is explored in the Health Manpower Plan in much the same way as is mental health care, with a discussion of the nature of the special needs of this target population and a

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review of manpower considerations. Recommendations stress the importance of both team and mid-level care--concepts reviewed favorably in the Commission's 1980 report to the Legislature, <u>The</u> <u>Need for Educational</u> and <u>Research Centers in Geriatric Medicine--as</u> well as the need to improve financing of geriatric care and to assure sensitivity to the special health care needs of the elderly members of minority groups.

Commission Endorsement

Subject to the minor concerns identified above regarding competition and mental health, the Commission generally endorses the findings and recommendations of the 1981 Health Manpower Plan in the three areas covered for the first time in the Plan. It also reiterates its support of the Manpower Plan's general positions on the ongoing problems of attaining better distribution of health personnel and health care, recruiting substantially larger numbers of minorities and women into health professions, resolving the nursing shortage, and expanding the availability of primary care, including expanded use of mid-level practitioners whenever appropriate.

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RECURRING THEMES FROM EARLIER BIENNIAL REPORTS ON HEALTH SCIENCES EDUCATION

As noted in the Preface, the focus and scope of the three documents in this series have varied considerably. The 1978 report was ambitiously comprehensive, attempting to identify a broad array of educational--and even manpower--issues in all five fields specifically included in the statutory charge: medicine, nursing, dentistry, pharmacy, and optometry. The 1981 document was more modest in scope, narrowing its attention to two residual issues from the earlier report--graduate medical education, and the relation of nursing education to the problem of attrition in the nursing profession--and examining two others: (1) the lack of institutional settings and roots for educational programs in nurse midwifery, along with the statutory ambiguity surrounding this field; and (2) the growing need for better information for decision making on public policy matters in health manpower and health sciences education. Both of the residual issues in 1981 remain for extended review in later pages of this report. The two new issues of 1981, although not satisfactorily resolved, need not be reviewed extensively here, although they do deserve mention.

NURSE MIDWIFERY

Nothing has changed during the ensuing two years regarding the lack of programmatic and statutory bases for nurse midwifery, but the Legislature has given attention to several bills clarifying the legal status of nurse midwives free of the hysteria which is created when lay midwifery is included in the discussion. One bill passed, dealing only with licensing fees; another bill, dealing with scope of practice and educational preparation of nurse midwives, came within four votes of passage on the floor of the Senate after passing the Assembly.

DATA FOR POLICY MAKING IN HEALTH MANPOWER AND HEALTH SCIENCES EDUCATION

The disposition of this second issue has been equally inconclusive. Not only does it remain inexplicably difficult to obtain reliable data on the numbers and kinds of people being trained in the health sciences, but there seems to be an equally persistent tendency of

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some people to ignore the limitations of such unreliable data. Two recent examples of this latter tendency have been the widespread acceptance in governmental circles of the findings in the summary report of the Graduate Medical Education National Advisory Committee (GMENAC) without reference later to the full report whose data and methodology the Commission questioned in a critique for the Legislature; and the willingness of State manpower planners to continue to advise the Legislature on health sciences education matters using incomplete and inaccurate medical school enrollment data that were derived--in part by extrapolation--from secondary sources. While this issue of data will not be pursued further in this report, it cannot be ignored: Greater effort is needed not only to obtain but to use intelligently better data on the size, composition, and cost of educational activities in the health sciences.

MEDICAL RESIDENCIES

The recurring issue of graduate medical education, along with that of attrition in the nursing profession, also remains unresolved after repeated scrutiny in the earlier reports in this series, but at least several events have taken place which suggest that both direction and momentum have been attained in movement toward what may be mitigation if not resolution of both problems.

The problem of medical residences in California stems in large part from the basic characteristics of graduate medical education and the uniqueness of this form of on-the-job training. Tension is inherent in graduate medical education between the needs of the future for medical manpower, as represented by the resident as a physician-in-training, and the need for current delivery of costeffective health care, as represented by the resident as a physician member of the house staff of the hospital. Like a number of other forces at work in the development of public policy, this tension need not be undesirable in itself, but in California several sets of additional forces make it particularly complex and confusing for planners in education and health.

The governmental and institutional entities contributing to this tension are diverse. On one side are health manpower planners, led by the Division of Health Professions Development of the Office of Statewide Health Planning and Development, who together with some legislators and their staff have been influential in arguing that the State should restrict the growth of residencies in non-primarycare fields because of the strong possibility of a surplus of such specialists while lacking sufficient numbers of primary care physicians.



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On the other side are hospitals--the sponsors of residencies--who have immediate need for low-cost medical staff to deal with the secondary and tertiary care aspects of medicine which occur in that setting--surgery, anesthesiology, radiology, and the like. Since hospitals fund the residency positions out of revenues that ultimately derive from patient care, and since hospital care would likely be more costly without residents, broad social purposes are served by the existence of residencies for health care, as well as by residencies as investments in future manpower.

The fact that a current need for specialists in hospitals may be quite different from a future need for office-based private physicians appears not to have been a serious problem during the period following World War II when residencies expanded and developed rapidly out of the old internship system, simply because it was a period of growth for American medicine in which all additional physicians could be comfortably absorbed. But that growth has stopped, and the State now faces the question of its ability to absorb the output of graduate medical education. Ideally, health planners should address this question by considering both the need for proper balance in future medical manpower and that for immediate cost-effective health care in hospitals. In practice, however, the future effect of today's graduate medical education programs seems to have been given considerably more legislative attention than has the current requirement for low-cost physician care in hospitals.

This attention has now given rise to the development of counter forces which have influenced the original balance struck between present and future needs in dealing with residencies. One such force is the University of California's vital interest in the current supply and mix of residencies, not only because of the usefulness of residents in delivering cost-effective health care in University teaching hospitals, but because of their value as teachers and mentors in undergraduate medical education. The University has argued in recent years that reductions in the number of certain kinds of non-primary-care residencies by the Legislature in the name of a better future mix of specialists can have adverse effects upon the University's ongoing efforts in educating physicians. It has also noted that legislative efforts to affect the future specialty mix of physicians through controls on residencies fails to address the major source of the problem--the two-thirds to threequarters of new physicians licensed in California each year who have been educated throughout their program, including graduate medical education, in other states and countries.

A complication in this nexus of forces is the desire of some State officials to see the Charles R. Drew Postgraduate Medical School emerge as a semi-autonomous medical education program with substantial State support. In recent years, the Legislature has funded

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faculty supervision of Drew residents in a wide variety of specialties, including those non-primary-care fields which the Legislature has pressured the University to reduce throughout the rest of the University medical education program. In this case, the Legislature has accepted the University's argument that a broad mix of residents is necessary in educating physicians at the undergraduate or professional level of medical education and has indicated that special circumstances make this argument operable at Drew which should thus expand its State-assisted non-primary-care residencies, even though elsewhere in the University the number of such residencies should be reduced. If the same ratio of residents to medical students which the Legislature has authorized at Drew were applied to all medical education in the University, the University would need more than 9,100 residents for this purpose instead of the 4,400 residents presently supported for all purposes.

One final complication is the recent State budget crisis, through which \$2 million of support for a number of non-primary-care residencies was deleted from the University's budget in legislation designed to place limitations on Medi-Cal spending. Yet, the same legislation also created serious revenue shortfalls for hespitals that conceivably could result in a greater need to utilize residents in delivering health care rather than reducing such need. This move by the Legislature to cut back on support of non-primary-care residencies as a part of Medi-Cal reductions is the most recent in a series of specific actions taken over the past five years in the general direction of reducing State support of such residencies. Unfortunately, this action jeopardizes the recent progress in sequentially getting better information on the size and nature of University-affiliated residencies, working out understandings between the University and the State on the philosophy and rationale which should guide the development of residency programs, and developing for the first time realistic plans for both short-term and longer-range development of graduate medical education in California. The systematic progress which had been made in defining and providing a rational basis for the State's role in the development of residencies has been impeded. Significantly, the need for establishing such definition and rational foundation for graduate medical education was identified by the Commission as a high priority in its first Health Sciences Education Plan in 1978.

A brief review of the sequence of events of the last five years demonstrates the progress which had been made prior to this recent action.

 In supplemental language to the 1977-78 budget, the Legislature directed the University of California to henceforth provide

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annual information on the number and mix of residencies, projected increases and decreases, and a justification for the projected changes. The Legislature also expressed its intent "not to support additional residencies beyond the 1977-78 budgeted total unless the University can document that the specialty with added residencies is in short supply."

- Supplemental language to the 1979-80 budget directed the University to reduce the number of residents in 1980-81 to a level of 12 below the 1979-80 level, with the reductions to occur in non-primary-care fields.
- In the 1980 budget, supplemental language called for an annual report on medical residencies, with the first report to include an explanation of the process by which the University determines that residencies are necessary to its graduate medical education program, the way in which the State's interest in primary care and prevention is taken into account in the development of residencies, the relationship of the University's residency development to projected oversupplies of certain medical specialties, the relationship of residency development to the problem of geographical mall istribution of medical service, and the way in which residencies contribute to undergraduate medical education, graduate medical education in primary care specialties, and research. The University was also directed to add 17 residencies in preventive medicine specialties.
- Other year-to-year adjustments in the number of residencies were called for by the Legislature during this period, most notably in connection with the start-up of the UCLA medical education program at Drew. These adjustments were ultimately worked out satisfactorily through discussion and correspondence among representatives of the Postsecondary Education Commission, the Office of Statewide Health Planning and Development, the Legislative Analyst, the Department of Finance, and the University. This movement toward mutual understanding and acceptance of the University's role in graduate medical education culminated in supplemental language to the 1981-82 budget, calling for the University to develop a five-year plan for medical residencies, and the review of this plan by the Commission and the Office of Statewide Health Planning and Development.

In general, the University has complied with the intent of the Legislature, despite its initial hesitation in implementing the first legislatively mandated reduction in the number of residents:

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- The University supplied the annual inventory of residencies until that document was replaced with the annual report on residencies required in the 1980-81 budget language. This latter report and its successor, the five-year plan for residencies, were reviewed by the Commission and the Office of Statewide Health Planning and Development at the request of the Legislature; and the Commission found both documents to be appropriate and useful responses, although the Office of Statewide Health Planning and Development was somewhat less satisfied.
- The Legislature also asked in supplemental budget language for 1981 and 1982 that the University, the Commission, and the Office of Statewide Health Planning and Development review the report of the Graduate Medical Education National Advisory Committee (GMENAC) for its relevance in developing policies toward graduate medical education in California; and all three agencies complied.
- In the meantime, the University on its own produced a series of internal documents which formalized policies toward graduate medical education. In 1979 it published <u>Guidelines for Academic Planning in the Health Sciences</u> in which it adopted the concept of no further expansion of non-primary-care residencies. This document was followed by two similar documents in 1981--Status of Long-Range Planning for Health Sciences Education, and <u>Guidelines for Planning Graduate Medical Education Programs in University of California Schools of Medicine</u>-that bridged the period between the University's statement on philosophies and rationale for graduate medical education in response to the 1980-81 supplemental budget language, and the appearance in 1982 of its <u>Five-Year Plan for Medical Residents 1982-83 Through 1986-87</u>.
- The University published its <u>Five-Year Plan</u> in two sections, the first reflecting what the anticipated changes in residencies might normally be in the absence of any special circumstances, and the second--several months later--reflecting the actual changes for the first year that the University was forced to make because of the budget cuts it had to absorb late in the budgeting cycle for 1982-83 as a part of the severe fiscal crisis.

Shortly after the appearance of the second part of the <u>Five-Year</u> <u>Plan</u> came conference committee adoption of the Medi-Cal reform bill, including as one section, "It is the intent of the Legislature that, due to the oversupply of specialists, the sum of two million dollars (\$2,000,000) which would have been used to fund one-half of the residency positions for physicians not engaged in providing primary care for University of California hospitals during the



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1982-83 fiscal year, be removed from the University of California's budget allocation." Those physicians, of course, were house staff or residents, for whom the University had signed contracts earlier in the year. The elimination of this support for 300 non-primarycare residents meant that the University had to find \$2 million from other sources to comply with the contractual obligation--a difficult task in the face of reduced levels of support in every part of the University's budget.

The Commission is concerned with this interrupted progress in the resolution of the ongoing and inherent problem of residency balance. The State's position and the University's position on this matter should now be reconciled. Because of the recent budget actions, attainment of the Commission's goal of mutually acceptable role definition and rationale for graduate medical education in California, may be more difficult than before, but it is essential that efforts continue toward this goal.

SUPPLY OF NURSES

Like the tensions in graduate medical education, the cycle of meeting nurse manpower needs through nursing education is characterized by an inherent incompatibility between two strong forces at work, each of which is understandable and socially acceptable: the professional expectations of nurses on the one hand, and, on the other, society's expectations for utilizing nursing personnel. The recent shortage of nurses serves well to illustrate this incompatibility.

Considerable evidence indicates that basic dissatisfaction with working conditions is the major reason why large numbers of licensed nurses have dropped out of the work force in recent years and that salary levels are not among the primary reasons for this dissatisfaction. There seems to be a widespread feeling among these dissatisfied nurses that nursing is not treated by hospitals and physicians as a profession with the right to control its own practice. Such a situation, coupled with difficult working conditions and little opportunity for higher forms of professional recognition, including salaries commensurate with those of other health professionals, erodes the morale of nurses and causes them to leave the profession.

The resultant shortage of nurses has been addressed in a number of ways by hospitals, none of which has yet resolved the problem. From the hospitals' point of view, and indeed from society's as

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well, the professional satisfaction of nurses is not a primary concern; it is important only insofar as it contributes to keeping them on the job and effective in their performance. Also, hospital administrators perceive that meeting nurses' professional expectations would lead to higher health care costs, since nursing care represents a major proportion of hospital operating costs. As a result, most responses to the nursing shortage in recent years by hospitals, other agencies, and society at large have been relatively short-sighted efforts to recruit nurses whose professional expectations are low but whose need for a modest monthly pay check is high. This approach has been epitomized by an unfortunate sequence of events: (1) an increased failure rate of marginally trained nurses on the State licensing examination, (2) State pressure on the Board of Registered Nursing to adjust the licensing standards downward, and (3) creation of new forms of hospital-based apprenticeships with minimum higher education affiliation to train nurses in on-the-job settings. The net effect of this approach has been to ignore the apparent causes of the nurse work-stoppage and to respond with efforts that tend to deprofessionalize--and perhaps demoralize--nursing even further.

It is not clear what would happen if these policies were to continue through a lengthy period of nurse shortage. What has now happened, and what may now provide an opportunity to avoid further polarizing of the parties in this struggle, is an end--at least temporarily--to the nurse shortage. For several reasons, late 1982 was characterized by a tight employment market for nurses: difficult economic times sent nurses back to work, while low patient censuses in hospitals around the State and prospects of much lower levels of care under significant Medi-Cal cutbacks by the federal and State government produced layoffs for employed nurses, and difficulty in finding jobs for new graduates. These factors have been responsible for achieving what millions of dollars spent on recruiting and retention were unable to do--stabilizing the nursing work force.

The Commission believes that the State should quickly capitalize on the several immediate advantages that have developed from this situation: .

First, this stabilization of nursing manpower buys time for resolving the larger problem of nurses' need for professionalism versus society's need for nursing manpower. Crash programs are not needed to meet shortages; instead, the record can be examined of such programs as the California Work-Site Education and Training Act (CWETA), which has been training hospital-based nurse assistants and licensed vocational nurses, respectively to

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become licensed vocational nurses and registered nurses at annual State costs ranging between \$1,207 and \$7,355 per new licensed vocational nurse and \$2,027 to \$7,355 per new registered nurse. Progress can also be made toward resolving the perplexing question of level and content for basic professional preparation in nursing. Parallel questions can also be explored: can professional status be achieved in a field with extensive builtin career ladders, or is the need for professional status for nursing any different from that of professional status for physicians in relationship to the public interest?

Second and similarly, the State can back away from the polarization created by the Board of Registered Nunsing's insistence that standards be lowered to permit foreign-trained nurses and certain ethnic groups to pass the license examination in greater The whole question of nurse licensure can be explored numbers. dispassionately, including the rationale, standards, and procedures used by the Board of Registered Nursing to shape nursing curricula, design and administer licensing examinations, and Such a review can address two emerging credential nurses. realities: that many foreign nurse training programs are simply sub-standard for California's needs and that competence in oral and written English is essential for a nurse in California, whether on the licensing examination or in carrying out physician orders in the hospital. This review may also speak to the question of whether certain ethnic minorities have been shortchanged by being steered largely into the lowest level of nurse preparation--apprenticeships and career ladders--rather than by aggressively encouraging and expecting them to seek baccalaureate preparation.

While this period of stable employment may be an opportune time to re-examine the training, licensing, and utilization of nursing personnel free of the immediate pressures to produce more nurses, it is not a time for complacency or for assuming that the basic problems of keeping nurses on the job have been resolved. Improving economic conditions could change the situation quickly and drastically, sending nurses back to the stance they have taken in recent years. Conceivably the profession could consolidate its position into one calling for expanded professional recognition in both the level of authority exercised and salary received. It is also possible that backlashes could develop, for example, from the growing physician population, some of whom view the aspirations of nurses for greater professional autonomy as threatening their own professional role in the hierarchy of hospital personnel.

During the past several years, progress has been made in dialogue between the nursing profession and the hospital industry in providing a better philosophical rationale for the hiring, utilization,



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and retention of nurses. The Commission hopes that the present period of employment stability will provide an opportunity to continue this dialogue, particularly with respect to the quality of patient care and the quality of life for the hospital nurse. «Key elements in the improvement of both kinds of quality include the mutual acceptance of differentiated competencies and responsibilities at various levels of nursing experience and education and greater input from nurses into the decision making processes of hospitals-from patient care to broad administrative plans and policies. For its part of this cooperative effort, the nursing profession will need to continue to work toward a unification of the profession in support of definitions and goals acceptable to its membership and salable to the health establishment and society.

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THREE

HEALTH SCIENCES ENROLLMENT AND DEGREES CONFERRED IN CALIFORNIA INSTITUTIONS OF HIGHER EDUCATION

This third section contains the core of the Commission's report on the status of health sciences education in California: detailed information on enrollments and on the number of degrees conferred in the various health sciences disciplines and programs in institutions of higher education within the State. Most data comparisons begin with the year 1975-76, when the Commission's information system first began to collect data by various demographic characteristic.; although earlier enrollment and degree data is occasionally shown for comparing the overall size of programs, but no generalizations can be drawn about the internal mix of students or graduates before that year.

The two demographic characteristics of students highlighted in the following data are generally ethnicity and sex. Because data on ethnicity are gathered in slightly different ways from public and independent institutions, as well as from graduate or professionallevel and baccalaureate-level programs, they are not completely comparable in all cases, and caveats are necessary from place to place to emphasize this limitation of the data.

For example, in medicine, dentistry, pharmacy, and optometry, programs in the public sector report student ethnicity in nine categories, while those in the independent sector report in only six categories. This incongruity results in the need to combine and pro-rate the extra categories in the public sector into the smaller group of categories, with resultant uncertainty and inaccuracy.

Similarly, in nursing at the baccalaureate level, both sex and ethnicity are reported for public institutions, but only sex is available for independent institutions. At the associate degree level, only sex is available for both public and independent institutions.

In allied health, where data collection and analysis began only in 1978-79, data comparability problems are similar to those of nursing but are compounded by the fact that similar programs sometimes have dissimilar names, resulting in some programs that should be counted actually being overlooked.

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SIZE OF PROGRAMS

Table 1, which contains a broad overview of the size of educational programs in the various health fields by enrollment and output, illustrates the difficulty of getting an accurate comparison of all programs even for one year. Several categories show no figures for a particular segment, with a dash indicating that the program does not exist at that level in that segment. But other sections of the table contain NC (not collected) notations, meaning that data for them are not collected by the Commission's information system or by the Higher Education General Information Survey (HEGIS) in this form or at this level of detail. Where zeroes are shown in the table, programs do exist and are reported, but are not yet fully operational.

In all cases, the programs reported in Table 1 are the basic professional training programs which prepare graduates for practice in the professions, either through licensure or through the standard educational attainment necessary for practice. Higher or lower level programs are not included. For nursing, several levels of preparation for licensure are shown, including even the master's. degree which is now the level of the professional preparation program in nursing at the University of California, San Francisco; only that single graduate program is shown in the table. For most allied health fields, the baccalaureate level is shown, although in public health and clinical social work the professional master's degree program is also included in the totals.

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	Fall Enr	ollmen ndepen		Confer	Degrees <u>Conferred, 1980-81</u> Indepen-			
Profession	Public	dent	<u>Tota</u>	Public	dent	Total		
Medicine	2587	1531	4118	567	404	971		
Nursing Hospital Associate Degree Bachelor's Degree Master's Degree	440 8564 4231 347	427 490 1487 -	867 9054 5718 347	192 3583 910 137	137 182 432	329 3765 1342 137		
Dentistry	461	1736	2 197 🗢	176	350	526.		
Pharmacy	446	1083	1529	113	330	443		
Optometry 🕫 ·	271	399	670	59	90	. 149		
Osteopathy	-	236	236	· 🛥	0	0		
Podiatry	-	403	403		95	95		
Allied Health				-	÷			
Clinical Social Work	248	NC	· 248	.91	-	91		
Dental Hygiene	45	NC	45	<u> </u>	34	56 °		
Medical Laboratory Technology	-736	NC	736	184	31	215		
Occupational Therapy	365	NC	365	. 48	59	107		
Physical Therapy	953	NC	953	107	130	237		
Public Health	1443	NC	1443	436	102	538		
Radiologic Technology	50	-	50	6	-	6 .		
Speech Pathology	2760	NC	2760	771	58 [°]	829		
Licensed Vocational Nursing	NC	-	NC	1322	-	1322		
Chiropractic	-	-	-	0	0	0		
Health Services Technologies	NC	NC	NC	2120	NC	2120		

TABLE 1 Size of California Educational Programs in the Health Sciences, 1981

Note: Dashes indicate program not in existence. "NC" indicates that data are not collected in this form or level of detail.

Source: Analytical Studies, California Postsecondary Education Commission.

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CHANGES IN STUDENT CHARACTERISTICS

Table 2 is also designed to display comparatively the basic demographic characteristics of the students enrolled in and graduating from the various programs over a period of time. Basically, all figures in the table are the percentages that each ethnic or gender group represented of the total enrollment or output of professional training programs for given years during a six- or three-year time span.

Three caveats require emphasis regarding this table:

- 1. Ethnic data exist for both public and independent institutions in medicine, dentistry, pharmacy, and optometry, and for the independent institutions which have the only programs in podiatry, osteopathy, and chiropractic. In nursing and allied health fields, however, ethnic data exist only for public institutions.
- 2. Reporting spans differ in the two sections of the table, with data on medicine through optometry on page 19 reflecting data from 1976 through the fall enrollment of 1981, while data in the second portion of the table on pp. 20-21 cover only the period from the spring quarter of 1979 through fall enrollment of 1981.
- 3. Conclusions should be drawn cautiously from the table inasmuch as the percentages reflect <u>known</u> ethnicity. The voluntary self-identification by students of their ethnicity virtually assures incompleteness of the data. In some fields, particularly in nursing and the allied health fields, unknown ethnicity may be as high as one-fourth of the total. In a few fields, such as radiologic technology, the total numbers are so small as to make ethnic percentages potentially misleading.

No indication of total size or shifts in total size of the programs appears in Table 2; instead, such data are available in the remaining portions of this report, which are devoted to data and brief interpretations of data on each of the individual health sciences disciplines that the Commission monitors for the purposes of its series of health sciences education reports.



TABLE 2 Ethnicity and Sex of the California Population, High School and College Graduates, and Students and Degree Recipients in Health Sciences Education Programs, 1976-1981 and 1979-1981

PERCENT OF CALIFORNIA POPULATION 7.7 7.5 0.5 0.8 3.7 610 15.8 19.2 71.5 66.5 49.8 49.3 50.2 50.7 PERCENT OF CALIFORNIA COLLEGE CRADUATES ¹ 7.9 8.5 0.4 1.0 3.1 6.2 12.7 16.0 75.9 68.4 NC 45.8 NC 54.2 PERCENT OF CALIFORNIA COLLEGE CRADUATES 4.6 0.8 0.9 6.9 9.2 4.6 6.2 79.9 79.0 55.3 51.0 44.7 49.0 PERCENT OF FALL ENROLL- MENT AND TEAK'S GRADUATES, FILTOS IN MAICK SIX TAAS 5.9 0.8 0.3 10.2 12.0 9.6 10.1 73.1 71.7 74.6 67.7 75.4 32.3 Independent 5.3 4.9 0.8 0.7 8.5 11.7 4.8 4.8 33.7 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 <t< th=""><th>Group</th><th>Black Non- <u>Hispanic</u> '76 '81</th><th>American Indian/ Alaskan <u>Native</u> '76'81</th><th>Asian/ Pacific Islander '76 '81</th><th><u>Hispanic</u> '76' '81</th><th>White Non- <u>Hispanic</u> '76 '81</th><th>Male 176 81</th><th>Female '76 '81</th></t<>	Group	Black Non- <u>Hispanic</u> '76 '81	American Indian/ Alaskan <u>Native</u> '76'81	Asian/ Pacific Islander '76 '81	<u>Hispanic</u> '76' '81	White Non- <u>Hispanic</u> '76 '81	Male 176 81	Female '76 '81
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COLLECE GRADUATES 4.6 4.6 0.8 0.9 6.9 9.2 4.6 6.2 79.9 79.0 55.3 51.0 44.7 49.0 PERCENT OF FALL ENROLL- MENT AND YEAR'S GRADUATES, FIELDS IN WHICH SIX YEARS OF DATA EXIST	PERCENT OF CALIFORNIA HIGH SCHOOL GRADUATES ^a	7.9 8.5	0.4 1.0	3.1 6.2	12.7 16.0	75.9 68.4	NC 45.8	NC 54.2
HENT AND TEAR'S ORADUATES, FTELDS IN WHICK SIX YEARS OF DATA EXIST Medicine (M.D.) Earollment 5.9 Total 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.6 5.9 5.6 5.9 5.6 5.9 5.6 6.7 7.7 7.8 7.7 7.8 7.7 7.8 7.7 7.8 7.7 7.8 7.7 7.8 7.7 7.8 7.8 7.9 7.17 7.8 7.8 7.8 7.8 7.8 7.9 7.9 7.9 7.9 7.9 7.9		4.6 4.6	0.8 0.9	6.9 9.2	4.6 6.2	79.9 79.0	55.3 51.0	44.7~49.0
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Pharmacy (Pharm.D.;B.S.) Enrollment Public 7.4 5.0 0.0 0.0 29.1 38.4 7.4 5.7 56.1 50.9 53.8 46.4 46.2 53.6 Independent 2.2 2.3 0.6 0.4 28.0 41.9 4.9 5.3 64.4 50.1 67.4 52.3 32.6 47.7 Total 3.5 3.1 0.4 0.3 28.2 40.9 5.5 5.4 62.3 50.3 64.0 50.6 36.0 49.4 Graduates Public 0.0 8.1 0.0 0.0 44.3 25.2 3.3 5.4 52.5 61.3 63.9 52.2 36.1 47.8 Independent 1.2 2.9 0.3 1.0 27.4 30.6 0.9 4.1 70.2 61.5 70.8 63.6 29.2 36.4 Total 1.0 4.3 0.3 0.7 30.0 29.2 1.3 4.5 67.4 61.4 71.0 60.7 29.0 39.3 <tr< td=""><td>Public Independent</td><td>2.7 1.5</td><td>0.0 0.0</td><td>12.2 17.8</td><td>5.4 3.9</td><td>79.6 76.8</td><td>94.1 92.0</td><td>5.9 8.0</td></tr<>	Public Independent	2.7 1.5	0.0 0.0	12.2 17.8	5.4 3.9	79.6 76.8	94.1 92.0	5.9 8.0
Public 7.4 5.0 0.0 0.0 29.1 38.4 7.4 5.7 56.1 50.9 53.3 46.4 46.2 53.6 Independent 2.2 2.3 0.6 0.4 28.0 41.9 4.9 5.3 64.4 50.1 67.4 52.3 32.6 47.7 Total 3.5 3.1 0.4 0.3 28.2 40.9 5.5 5.4 62.3 50.3 64.0 50.6 36.0 49.4 Graduates 0.0 8.1 0.0 0.0 44.3 25.2 3.3 5.4 52.5 61.3 63.9 52.2 36.1 47.8 Independent 1.2 2.9 0.3 1.0 27.4 30.6 0.9 4.1 70.2 61.5 70.8 63.6 29.2 36.4 Total 1.0 4.3 0.3 0.7 30.0 29.2 1.3 4.5 67.4 61.4 71.0 60.7 29.0 39.3 Optometry (0.D.) Enrollment Public 4.0 1.5	•	3.4 4.5	0.2 0.0	13.0 20.5	1.2 0.3	/0.3 00.0	53.0 80.3	7.0 13.3
Public 0.0 8.1 0.0 0.0 44.3 25.2 3.3 5.4 52.5 61.3 63.9 52.2 36.1 47.8 Independent 1.2 2.9 0.3 1.0 27.4 30.6 0.9 4.1 70.2 61.5 70.8 63.6 29.2 36.4 Total 1.0 4.3 0.3 0.7 30.0 29.2 1.3 4.5 67.4 61.4 71.0 60.7 29.0 39.3 Optometry (0.D.) Enrollment Public 4.0 1.5 0.0 0.4 26.8 29.1 5.2 5.9 64.0 63.1 72.7 67.9 27.3 32.1 Independent 0.5 1.8 0.3 0.3 9.5 15.8 2.8 5.1 86.9 77.1 91.8 69.4 8.2 30.6 Total 1.9 1.7 0.2 0.3 16.3 21.2 3.8 5.4 78.0 71.4 84.3 68.8 15.7 31.2 Graduates Public 3.6	Public Independent	2.2 2.3	0.6 0.4	28.0 41.9	4.9 5.3	64.4 50.1	67.4 52.3	32.6 47.7
Enrollment 4.0 1.5 0.0 0.4 26.8 29.1 5.2 5.9 64.0 63.1 72.7 67.9 27.3 32.1 Independent 0.5 1.8 0.3 0.3 9.5 15.8 2.8 5.1 86.9 77.1 91.8 69.4 8.2 30.6 Total 1.9 1.7 0.2 0.3 16.3 21.2 3.8 5.4 78.0 71.4 84.3 68.8 15.7 31.2 Graduates	Public Independent	1.2 2.9	0.3 1.0	27.4 30.6	0.9 4.1	70.2 61.5	70.8 63.6	29.2 36.4
Public 4.0 1.5 0.0 0.4 26.8 29.1 5.2 5.9 64.0 63.1 72.7 67.9 27.3 32.1 Independent 0.5 1.8 0.3 0.3 9.5 15.8 2.8 5.1 86.9 77.1 91.8 69.4 8.2 30.6 Total 1.9 1.7 0.2 0.3 16.3 21.2 3.8 5.4 78.0 71.4 84.3 68.8 15.7 31.2 Graduates Public 3.6 1.7 0.0 0.0 37.5 22.4 1.8 3.5 57.1 72.4 78.3 81.4 21.7 18.6 Independent 0.0 0.0 1.1 14.3 5.6 3.2 3.4 82.5 89.9 93.7 76.7 6.3 23.3								ı
Public 3.6 1.7 0.0 0.0 37.5 22.4 1.8 3.5 57.1 72.4 78.3 81.4 21.7 18.6 Independent 0.0 0.0 1.1 14.3 5.6 3.2 3.4 82.5 89.9 93.7 76.7 6.3 23.3	Public Independent Total	0.5 1.8	0.3 0.3	9.5 15.8	2.8 5.1	86.9 77.1	91.8 69.4	8.2 30.6
	Public Independent	0.0 0.0	0.0 1.1	14.3 5.6	3.2 3.4	82.5 89.9	93.7 76.7	6.3 23.3

(continued)

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TABLE 2 (Continued)

Group	Black Non- <u>Hispan</u> 79	ic	Ameri India Alask <u>Nati</u> '79	in/ kan ve	Asia Pacii <u>Isla</u> 179	fic		anic 181	Hisp	ite on- <u>panic</u> 81	<u>Mal</u> 79	e '81	<u>Fema</u> 79	1]e 181
PERCENT OF CALIFORNIA POPULATION	7.7 7	.5	0.5	0.8	3.7	6.0	15.8	19.2	71.5	66.5	49.8	49.3	50.2	50.7
PERCENT OF CALIFORNIA HIGH SCHOOL GRADUATES	7.98	1.5	0.4	1.0	3.1	6.2	12.7	16.0	75 .9	68.4	NC	45.8	ЯС	54.2
PERCENT OF CALIFORNIA " COLLEGE GRADUATES	4.6	•.6	0.8	0.9	6.9	9.2	4.6	6.2	79.9	79.0	55.3°	51.0	44.7	49.0
PERCENT OF FALL ENROLL- MENT AND YEAR'S GRADUATES FIELDS IN WHICH THREE YEARS OF DATA EXIST							/							
Podiatry (D.P.M.)														
Enrollment Independent	1.0	1.8	0.0	0.0	9.3	8.4	1.0	2.3	88.6	87.4	85.6	84.9	14.4	15.1
Graduates Independent	1.1	1.1	0.0	0.0	3.2	5.5	2.1	1.í	93.6	92.3	90.4	91.6	9.6	8.4
Osteopathy (D.O.) ^b Enrollment							÷,				0/ 6	79.2	15 /	20.8
Independent	1.1	1.7	1.1	1.3	5.5	5.1	1.1	1.3	91.2	90.1	84.0	19.2	13.4	20.0
Chiropractic (D.C.) Enrollment Independent Graduates Independent				÷		۰ ۲	•							·
Clinical Social Work (M.S.W Enrollment		= (2.4	1.6	3.9	4.8	7.1	6.4	- 77.2	2 81.6	34.7	28.6	65.3	71.4
Public; Graduates	•	5.6			-					B 79.7	44.7		55.3	67.7
Public	3.9	6.8	0.0	3.4	7.9	6.8	1.3) 3.4	00.0	5 / 5 . /			55.5	
Dental Hygiene (B.S.) Enrollment												, ,		OF 4
Public	2.0	0.0	0.0	2.4	32.6	35.7	8.2	2 4.8	57.	1 57.1	2.1		97.8	95.6
Graduates Public	0.0	0.0	0.0	0.0	25.0	38.1	0.0	4.8	75.	0 57.1	4.3	0.0	95.7	100.0
Medical Laboratory Technology (B.S.)														
Enrollment Public	9.3	LO.8	0.6	1.6	41.2	42.8	5.7	7 9.2	42.	7 35.7	32.7	29.9	67.3	70.1
Graduates Public	2.6	5.1	0.0	0.0	51.8	50.0	5.3	3 3.8	40.	4 41.0	35.3	38.5	64.7	61.5
Occupational Therapy (B.S.) Enrollment	I													1
Public	3. 6	6.4	2.2	2.6	16.1	18.4	3.	7 5.2	74.	5 67.4	4.3	9.1	L 95.7	90.9
Graduztes Public	1.9	0.0	0.0	3.3	11.6	13.3	3.	8 6.7	82.	7 76.7	7.8	10.0	92.2	90.0
Physical Therapy (B.S.)														
Enrollment Public	8.1	4.8	1.2	2.5	10.3	10.2	7.	8 7.7	72.	6 74.9	22.9	21.	6 77.1	78.4
Graduates	0.0	2.9	0.0	2.0	8.6	5 8.8	1.	2 5.9	90.	2 80.4	27.0	23.	4 73.0	76.6
Public	0.0			2.0								(cc	ontin	ued)



TABLE 2 (Continued)

Group	Black Non - <u>Hispanic</u> '79 '81	American Indian/ Alaskan <u>Native</u> '79 '81	Asian/ Pacific <u>Islander</u> '79 '81	<u>Kispanic</u> '79 '81	White Non- <u>Hispanic</u> '79 '81	<u>Male Female</u> 79 81 79 81
PERCENT OF CALIFORNIA POPULATION	7.7 7.5	0.5 0.8	3.7 6.0	15.8 19.2	71.5 66.5	49.8 49.3 50.2 50.7
PERCENT OF CALIFORNIA HIGH SCHOOL GRADUATES	7.9 8.5	0.4 1.0	3.1 6.2	12.7 16.0	75.9 68.4	NC 45.8 NC 54.2
PERCENT OF CALIFORNIA COLLEGE GRADUATES	4.6 4.6	0.8 0.9	6.9 9.2	4.6 6.2	79.9 79.0	55.3 51.0 44.7 49.0
Public Health (M.P.H.)						
Enrollment Public	4.8 5.9	4.0 3.6	8.5 9.1	7.1 6.2	75.7 75.2	35.4 33.0 64.6 67.0
Graduates		/	7 2 2 4	3.7 5.4	80.3 75.8	39.1 35.7 60.9 64.3
Public	5.1 5.9	3.9 3.4	7.3 9.6	3.7 5.4	00.3 /3.0	39.1 33.7 00.9 04.3
Radiologic Technology (M.S.)					
Enrollment Public	0.0 0.0	0.0 0.0	0.0 0.0	0.0 9.1	100.0 90.9	70.0 64.7 30.0 35.3
Graduates						
Public	0.0 0.0	0.0 0.0	11.1 20.0	0.0 0.0	88.9 80.0	90.9 50.0 9.1 50.0
Speech Pathology and Audiology (B.S.) Enrollment						
Public	8.6 7.2	1.4 2.4	5.3 5.9	7.1 8.7	77.7 75.4	8.7 7.7 91.3 92.3
Graduates Public	3.3 4.0	0.0 0.8	5.7 6.9	4.5 5.6	86.4 82.8	8.3 7.9 91.7 92.1

a. The 1976 ethnic percentages for high school students are for seniors who are enrolled, rather than for graduates. The 1981 percentages for total California college graduates by gender are from 1979 data, rather than from 1981.

b. Inasmuch as no class has yet graduated from the only osteopathy program in California, no graduates are shown in this field.

Note: "NC" indicates that data are not collected in this form or level of detail.

Source: Analytical Studies, California Postsecondary Education Commission.

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MEDICINE

As of 1981, total enrollment in medical schools in California had leveled off and even dipped for the first time, reflecting an enrollment decline of about 2 percent in the three independent medical schools, which more than offset an increase of about 1 percent in the five University of California medical schools (Table M-1, below).

TABLE M-1 Fall Enrollment in Medicine, 1973-1981

Medical School	1973	1974	1975	1976	<u> 1977</u>	1978	1979	1980	-
PUBLIC									
UCD	347	401	408	405	402	40 6	402	400	
UCI	246	257	301	308	293	312	367	387	
UCLA	557	604	617	598	582	595	609	615	
UCR	-	-	•	-	16	35	46	56	
UCSD	233	275	319	350	384	425	467	479	
UCSF	565	<u> </u>	<u> 633</u>	590	613	626	<u> 616 </u>	629	•
TOTAL PUBLIC	1,948	2,112	2,278	2,251	2,290	2,399	2,507	2,566	:
INDF PENDEN	T								
Loma Lir	nda 599	627	640	572	588	642	619	611	
Stanford		374	396	352	362	340	380	377	
USC	_439	472	517	541	<u> </u>	587_	549	577	
TOTAL	rt 1 408	1.473	1.553	1,465	1,521	1,569	1,548	1,565	
INDEPENDEN	TT 1,408	1,473	1,553	1,465	1,521	1,569	1,548	1,565	
GRAND	2 256	2 505	3,831	3,716	3,811	3,968	4.055	4,131	
TOTAL	3,356	3,585	7,077	2,110		5,700		.,	

Source: Analytical Systems, California Postsecondary Education Commissio

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Total output of graduates, which peaked in 1980, has also dipped, with the University's medical schools graduating almost 6 percent fewer students in 1981 than in the peak year. In the independent institutions, however, output continues to grow, with 1981 graduations up more than 5 percent over 1980 and 3 percent over the previous high year for that sector (Table M-2).

TABLE M-2 Professional Degrees Conferred in Medicine, 1966-67 -1980-81

Medical School	1966 -67	1967 <u>-68</u>	1968 -69	1969 <u>-70</u>	1970 -71	1971 <u>-72</u>	1972 <u>-73</u>	1973 <u>-74</u>	1974 <u>-75</u>	1975 <u>-76</u>	1976 <u>-77</u>	1977 <u>-78</u>	1978 -79	1979 <u>-80</u>	1980 -81
PUBLIC			v												
UCSF UCLA UCD UCI UCSD	101 68 87	128 76 	130 71 75	126 78 - 58 -	131 113 64	122 130 64 	67	136 132 50 63 <u>52</u>	137 144 95 64 48	156 158 99 74 <u>65</u>	139 158 101 82 59	148 152 89 76 <u>88</u>	153 161 95 77 <u>87</u>	153 157 104 79 109	161 132 95 89 <u>90</u>
TOTAL PUBLIC	256	293	276	262	308	407	435	433	488	552	539	554	573	602	567
INDEPENDENT															
INDEPENDE	NT														
USC Stanfor	71	67 61	69 61	73 69	74 69	84 75	85 88	103 74	97 81	113 72	134 107	136 94	153 81	151 78	150 83
USC	71 d 48									72					
USC Stanfor Loma	71 d 48 <u>88</u>	61	61	69	69	75 <u>97</u>	88	74	81	72	107 <u>151</u>	94 <u>143</u>	81	78	83

*First graduating class

Source: Analytical Studies, California Postsecondary Education Commission.



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Progress has been made in enrolling additional numbers of medical students from underrepresented groups, but these gains have been slow. The percentage of women in the University's medical school enrollment has gone from 25.4 to 32.2 in the five-year reporting period, while in the independent institutions the increase has been from 22.1 to 25.9 percent (Table M-3). Blacks constituted 6.3 percent of the University's medical school enrollment in 1976 but only 6.0 percent in 1981, although the proportion of Hispanic enrollment increased from 9,5 to 10.2 percent during this time. In the independent sector, Black enrollment declined from 5.3 to 5.0 percent of the total, while Hispanic enrollment rose from 4.8 to 6.4 percent.

TABLE M-3 Fall Enrollment in Medicine, by Ethnicity and Sex, 1976-1981

Non- Medical School Residen and Year Alien M F	Black t Non- <u>Hispanic</u> M F	American Indian/ Alaskan <u>Native</u> M F	Asian/ Pacific <u>Islander</u> M F	<u>Hispanic</u> M F	White Non~ <u>Hispanic</u> M F	Tota] M F	<u>A11</u> .
PUBLIC							
UCD							(05
1976 50.	20 4	2 0	39 16	21 4	190 104	277 128	405
1977 11 4	16 8	30	29 15	20 5	190 101	269 133	402
1978 10 5	14 7	20	31 16	13 4	201 103	271 135	406
1979 13 5	78	10	28 19	15 5	196 105	260 142	402
1980 2 1	37	3 D	36 19	19 5	188 117	251 149	400
1981 2 0	.27	20	31 15	19 7	190 132	246 161	407
UCI							
1976 10 0	21 9	51	14 3	35 7	163 40	248 60	308
1977 15 0	19 11	31	81	32 11	153 39	230 63	293
1978 10 2	22 17	0 0	83	41 7	166 36	247 65	312
1979 0 0	17 11	21	34 10	46 17	167 62	266 101	367
1980 16 6	15 11	21	27 6	39 16 🤇	167 61	266 101	367
1981 8 9	97	62	39 10	41 18	154 77 .	257 123	380
UCLA							
1976 2 2	20 6	30	43 5	49 8	362 98	479 119	598
1977 4 2	21 11	20	43 7	47 11	332 102	449 133	582
1978 7 6	20 14	0 0	50 11	34 14	333 106	444 151	595
1979 1 5	20 19	0 0	47 13	34 18	338 114	440 169	609
1980 1 0	24 19	0.0	48 21	33 19	331 119	437 178	615
1981 11 14	31 18	10	55 18	33 20	307 120	438 190	628
UCR							
1976 Not ope	erstional u	mti l 1977	,				
1977 0 0	0 0	0 0	04	0 0	12 0	12 4	16
1978 0 0	0 0	0 0	53	0 0	- 22 5	27 8	35
1979 0 1	0 0	0 0	92	0 1	29 4	38 8	46
1980 0 0	0 0	0 0	13 3	03	31 6	44 12	56
1981 0 0	0 0	0 0	75	01	29 5	36 11	47
UCSD							
1976 1 0	72	21	32 9	12 2	234 48	288 62	3504
1977 2 0	8 2	2 2	30 10	15 3	245 65	302 82	384
1978 6 Q	4 2	0 2	35 12	16 2	279 67	340 85	425
1979 7 3	7 3	12	38 12	17 5	186 86	356 111	467
1980 9 4	11 9	3 2	29 12	23 5	289 86	364 118	482
1981 2 0	16 8	3 2	31 21	31 8	306 81	389 120	509

(convinued)



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TABLE M-3 Continued

Medical School	Res	ion- ident ien F	N	ack on- panic F	Ind Ala	rican ian/ skan tive F	As Pac	ian/ ific <u>ander</u> F		<u>panic</u> F		te on- banic F	<u>Tota</u> M	al F	<u>A11</u>
UCSF															
1976	0	1		,20	3	0	53	14	56	19		148	388	ູ 202 [*]	590
1977	<u> </u>	0	28	19	0	1	65	19	58	20		154	400	213	613
1978	- 1	1	22	23	2	0	61	23	53	22	260	158	399	227	626
1979	1	1	20	18	5	0	58	21	53	20	266	153	403	213	616
1980	1	1	25	21	5	0	61	23	52	18	267	157	411	220	631
1981	1	0		20	4	0	49	24	53	26		159	• 387	229	616
TOTAL PUBLIC								,							
1976	18	3	100	41	15	2	181	47	173	40	1,193	438	1,680	571	2,251
1977	33	6	92	51	10	4	175	56	172	50	1,180		1,662	628	2,290
1978	34	14	82	63	4	2	190	68	157	49	1,261		1,728	671	2,399
1979		15		59	9	3	214	77	165	66	1,282		1,763	744	2,507
1980		12		67	13	3	214	84	166	62	1,273		1,773	778	2,551
1981		23		60	16	4	212	93	177	80	1,234		1,753	834	2,587
1901		-5	20		10	-	212		1,,	00	1,234	3/4	1,755	034	2,507
INDEPENDENT															
Loma Linda							-								
1976	2.2	3	24	4	1	1	21	6	-6	2	381	101	455	117	572
1977	39	10	22	5	ō	ī	23	7	6	2	378	95	468	.120	588
1978	39	9	17	7	ŏ	ī	37	13	7	ī		109	502	140	642
1979	56	8	13	4	ō	ī	21	-3	8	ī		107	490	129	619
1980	47	11	9	5	1	ō	34	13	8	ō		109	473	138	611
1981	23	4	12	ó	2	ŏ	43	16	12	1	358	98	450	125	575
Stanford	23	-	12	v	-	U	-1	10	14	•	0 ل ل	30	400	123	575
1976	5	3	27	8	5	4	9	7	21	9	183	71	250	102	352
1977	5	2		11	6	4	12	8	21	10	180	77	250	112	362
1978	7	3		14	6	3	15	9	20	-9	174	65	237	103	340
1979	8	3		14	6	ĩ	17	8	24	15	184	81	258	122	380
1980	16	5		15	5	ī	19	8	32	14	167	79	255	122	377
1980	16	6		16	5	2	23	10	33	11	153	81	249	126	375
USC	10	0	13	10	5	2	23	10		11	133	01	243	120	5/5
1976	3	0	10	3	0	0	31	9	31	0	361	93	436	105	541
	6	1	12	8	2	2	-29	10	42	4				110	571
1977		-		-		_					370	85	461		
1978	5	0		10	1	2	39	11	38	5	383	79	480	107	587
1979	0	3	4	6	0	0	53	13	33	3	365	69	455	94	549
1980	. 20	3	14	7	0	0	48	18	29	9	344	85	455	122	577
1981	5	2	13	7	0	e	56	24	28	10	333	103	435	146	581
TOTAL INDEPENDENT					•										
1976	30	6	61	15	6	5	61	22	58	11	925	265	1,141	324	1,465
1977	50	13	60	24	8	7	64	25	69	16	928	257	1,179	342	1,521
1978	51	12	46	31	7	6	91	33	65	15	959	253	1,219	350	1,569
1979	64		36		6	2	91	29	65	19		257	1,203	345	1,548
1980	83			27	6	1	101	39	69	23		273	1,183	382	1,565
1981	- 44		44		7	2	122	50	73	22	- 844		1,134	397	1,531
1901				27	'	-	122	50	,,,		2		1,134	577	1,331
GRAND TOTAL															
	.48	۰. o	161	56	21	7	21.2	60	221	51		702		895	
1976					21		242		231		2,118				
1977	83		152		18		239		241	66	2,108		2,841	970	3,811
1978	85		128			8	281		222	64	2,220		2,947		3,968
1979	86		107		15	5	305		230	85	2,223		2,966		4,055
1980	112		117		19	4	315		235		2,158		2,956		4,116
1981	68	35	134	89	23	6	334	143	250	102	2,078	826	2,887	1,231	4,118

Source: Analytical Studies, California Postsecondary Education Commission.



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Graduation trends have generally paralleled those of enrollments. The percentage of women in graduating classes in medicine grew from 21.9 to 28.2 in the University medical schools during the five years, and went from 17.0 to 21.3 in the independent institutions during the same time (Table M-4). For Blacks, the same number (24) graduated from the University's medical schools in 1976 as in 1981, but the male-to-female ratio of this group reversed from roughly 2:1 to 1:2 during this time. The percentage of the graduating class that was Black went from 4.4 to 4.3 during this period. For Hispanics in the University's medical schools, greater growth occurred, with their number of graduates going from 26 to 44, and their proportion of the graduating class rising from 4.8 to 7.9 percent. In the independent institutions, the output of Black graduates rose from 9 to 13, and their proportion in the graduating class increased from 2.7 to 3.4 percent. The change for Hispanics was similar: from 13 to 17 in number, and from 4.0 to 4.4 percent in proportion.

Table M-4 Professional Degrees Conferred in Medicine, by Ethnicity and Sex, 1976-1981

	Medical School and Year	Res	on- ident ien	N	ack on - pani F		Ind Ala Na	rican ian/ skan tive F	Asi Paci	ian/ ific ander F	<u>Hisp</u> M	<u>panic</u> F	Whit Nor <u>Hispa</u> M	1-	<u>To</u> M	otal F	<u>A11</u>	
,	PUBLIC																	
	UCD																	
	1975-1976	0	1	2	3		0	1	8	2 2	2 5	3	54	23	66	33	99	
	1976-1977	2	0	2 5	1		0	0	18		5	0	51	17	81	20	101	Ċ
	1977-1978	0	0	2	1		1	0	8	1	6	0	46	24	63	26	89	
	1978-1979	1	. 0	3	0		1	0	7	5	2	2	52	22	66	29	95	
	1979-1980	3	0	3 5	2		1	0	7	7	6 5	1	<u>,</u> 41	31	63	41	104	
	1980-1981	Ō	1	1	2		1	0	9	4	5	0	53	19	69	26	95	
	UCI															·	.	
	1975-1976	2	2	0	0		0	0	5 7	σ	1	0	52	12	60	14	74	
	1976-1977	2	0	0 3 7	0	2	1	0	7	1.	4	0	-51	14	67	15	82	
	1977-1978	1	0	7	2		1	1	4	0	3	2	45	11	61	16	76	
	1978-1979	1	0	6	4		0.	0	2 2	1	10	0	45	8	64	13	77	
	1979-1980	4	0	- 4	4		0	0	2	0	8	4 1	46	7	64	15	79	
	1980-1981	2	2	2	2		0	0	13	2	7	5	38	16	62	27	89	
	UCLA																	
	1975-1976	2	2	2	1		0	0	13	0	6	2	114	16	137	21	158	
	1976-1977	0	1	6	2		1	0	16	2	5	1	104	20	132	26	158	
	1977-1978	1	0	6 5	2 2		2	0	11	1	15	2	95	18	129	23	152	
	1978-1979	1	1	3	1		0	0	13	3	10	1	96	32	123	38	161	
	1979-1980	0	0	5	1		0	0	11	1	10	3	93	33	119	38	157	
	1980-1981	1	0	•4	7		0	0	14	3	3	2	78	20	100	32	132	

(continued)



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Table M-4 (Continued)

	Medical School and Year	Res	on- ident ien	- 7 N	ack Ion-	Ind Ala	rican ian/ skan tive	As ⁻ Pac ⁻	ian/ ific ander	Hisu	Danic	Whi: Noi <u>Hisp</u> a	n-`	к Т	otal	· <u>A11</u>
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	1
	UCSD															
	1975-1976	0	1	3	2	1	0	3	0	5	1	36	13	48	17	65
	1976-1977	2	1	0	0	0	0	6	1	2	1	42	4	52	7	59
	1977-1978	0	0	3	0	0	0	્3	1	2	· 0	59	20	67	21	88
	1978-1979	1	0	2	1	0	1	10	3	2	2	57	10	72	· 15	87
	1979-1980	1	0	1	0	1	0	12	4	7.	1	68	14	90	19	109
	1980-1981	2	0	1	0	1	0	7	3	3	0	57	16	71	19	90
	UCSF	_	-	_			-		,	-	-				~	154
	1975-1976	1	0	8	3	0	0	15	4	5	ļ	91	28	120	36	156
	1976-1977	0	1	12	2	1	0	.7	1	6	4	75	30	101	38	139 148
	1977-1978	0	0	7	2	0	0	14	1	6	4	70 57	44 42	97 98	51 55	153
	1978-1979	0	0	10	5	0	0	17	6	14	2	65	34	100	53	153
	1979-1980	0	0	4	7.	0	0	19	5 5	12 15	1	68	43	105	56	161
	1980-1981	1	1	2	3.	1	-	18	5	12	\$	00	43	105	10	101
	TOTAL PUBLIC							•								
	1975-1976	5	6	15	9	1	1	44	63	19	7	347	92	431	121	552
	1976-1977	6	3	26	5	3	ō	54	7	22	6	323	35	433	137	570
	1977-1978	2	õ	24	7	4	1	40	4	32	8	315	117	417	137	554
	1978-1979	4	ī		ii	1	ī	49	18	38	5	307	114	423	150	573
	1979-1980	8	ō	19		2	ō	51	17	43	16	313	119	436	166	602
	1980-1981	6	4	10		3	0	61	17	33 ,	11	294	114	407	160	567
														÷		
	INDEPENDENT						,									
	Loma Linda		,													
	1975-1976	13	1	3	0	1	0	7	0	3	1	110	18	137	20	157
	1976-1977	8	2	- 4	1	1	0	7	2	2	0	109	15	131	20	151
	1977-1978	7	2	8	0	1	0	2	1.	1	1	98	22	117	26	143
	1978-1979	2	1	6	2	0	0	9	4	1	0	83	23	101	30	131
	1979-1980	13	2	6	0	0	1	5	1	3	1	97	26	124	31	155
	1980-1981	11	1	3	0	0	0	7	2	1	0	115	31	137	34	171
	Stanford															
	1975-1976	0	0	2	Ô	0	0	0	0	4	0	50	16	56	16	72
	1976-1977	2	0	3	2	1	0	2	3	9	1	63	21	80	27	107
	1977-1978	2	0	10	0	1	,	4	0	6	3	46	21	69	25	94
I.	1978-1979	1	1	3	3	0	0	1	3	3	1	45	20	53	28	81
	1979-1980	0	0	5	3	3	1	· 3	2	4	1	41	15	56	22	78
	1980-1981	2	0	3	2	2	0	2	1	8	4	38	21	55	28	83
	USC		•	,	•	•	•	E	2	5	^	77	19	91	22	113
ļ	1975-1976		~ 0	4	0	0	0	5 5	3 1	7	0 1	94	24	108	26	134
	1976-1977	0	0 1	1	2	1	0 0	4	i	7	i	92	25	106	30	136
	1977-1978 1978-1979	ō	Ō	6	4	ī	1	11	2	17	i	94	16	129	24	153
	1979-1980	2	2	2	· i .		ō	7	5	7	2	99	24	117	34	151
	1980-1981	3	ō	4	1	ŏ	ō	14	3	8	0	97	20	126	24	150
	1900 1901	5	Ŭ	-	•	•	Ϋ.	••	•	-	-					
	TOTAL INDEPENDE	NT														
	1975-1976	13	1		0.	1	0	12	3	12	1	237	53	284	58	342
	1976-1977	10	2	9	3	2	0	14	6	18	2	266	60	319	73	392
	1977-1978	10	3	19	2	3	1	10	2	14	5	236	68	292	81	373
	1978-1979	3	2	15	9	1	1	21	9	21	2	222	59		82	365
	1979-1980	15	4	13	4	3	2	15	8	14	4	237	65	297	87	384
	1980-1981	16	1	10	3	2	0	23	6	17	4	250	72	318	86	404
		-														
	GRAND TOTAL		_			-			~		0	50/	1/5	715	179	894
	1975-1976	18	7	24		2	1	56	9	31	8	584 589	145 145	715 752	210	962
	1976-1977	16	5	35		5	0	68	13	40 46	8		145	709	218	927
	1977-1978	1.2	3	43		7	2	50	6	46 59	13 7	551 529	173	709	232	938
	1978-1979	7	3		20		· 2	70	27	59 57	20	529	184	733	252	986
	1979-1980	23	.4		18	5 5	2 0	66 84	25 23	50	15	544	186	725	246	971
	1980-1981	22	5	20	17	C	U	5 0 4	23	50		J	100			

Source: Analytical Studies, California Postsecondary Education Commission.



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NURSING

Enrollment

Table N-1 shows that enrollment in hospital nursing programs is remarkably resilient, with 1981 registering the highest enrollment in the State's four remaining hospital programs since 1975.

Table N-2 shows enrollment in Community College nursing programs continuing to climb, with the increase of 1981 over 1980 about 9.4 percent-considerably higher than their growth rates in previous recent years.

TABLE N-1 Fall Enrollment in Hospital Nursing Programs, 1973-1981

<u>Hospital</u>	1973	1974	1975	1976	<u>1977</u>	<u>1978</u>	<u>1979</u>	1980	<u>1981</u>
CONTINUING PROGRAMS									
St. Luke's Ca. Hospital Medical Center L.A. County Medical Center Samuel Merritt	133 143 479 	139 151 405 205	137 151 375 216	132 166 260 277	126 166 324 160	136 140 365 <u>189</u>	141 108 383 196	140 108 363 232	94 99 440 234
TOTAL	913	900	879	835	776	830	828	843	867
DISCONTINUED PROGRAMS*						!			
Kaiser	162	112	57	-	-	-	-	-	-
San Jose	80 82	39	-	-			-		
St. Vincent's TOTAL	324	151	57	-	-	-		-	-
GRAND TOTAL	1,237	1,051	936 [,]	835	776	830	828	843	867

Note: Dashes indicate program not in existence.

*Discontinued in 1972 were Hollywood Presbyterian, Queen of Angels, and St. Joseph's. Source: Analytical Studies, California Postsecondary Education Commission.

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TABLE N-2

Fall Enrollment in Associate Degree Nursing Programs at Community Colleges, 1973-1981

1.8.

· ·									
Community College	1973	1974	1975	1976	1977	1978	1979	1980	1981
				*******		-			
American River	68	73	68	67	75	76	69	95	107
Antelope Valley	69	68	72	79	77	82	91	115	97
Bakersfield	86	91	84	72	92	114	125	113	•139
Cabrillo	66	36	72	74	72	75	.77	85	77
Cerritos	132	152	175	172	147	157	167	152	152
Chabot	92	64		90	87	89	90	90	124
Chaffey	105	76	110	144	148	142	138	144	152
C.C. of San Francisco	145	147	172	175	186	174	180	170	186
College of the Canyons	-	-	-	-	-		-	35	34
College of the Desert	115	126	135	143	145	146	140	167	205
College of Harin	103	98	106	103	103	93 60	108	119	110 63
College of the Redwoods	55	65	63	65	66	-	66 120	88 144	154
College of San Mateo	· 119	121	127 65	121 65	135 77	115 82	86	111	126
College of the Sequoias	65 121	65 136	135	132	124	116	120	120	119
Compton Contraction	121	136	135	132	145	128	120	120	119
Contra Costa	50	50	52	51	53	53	65	73	82
Cuesta	169	165	168	172	151	141	149	167	179
Cypress De Anza	109	100	108	107	111	105	107	105	115
East Los Angeles	137	185	194	184	196	180	167	134	114
El Camino	138	155	153	152	152	170	224	222	223
^d Fresno City	117	113	116	143	137	144	118	175	229
Glendale			-	-	-			41	46
Golden West	153	179	196	220	208	213	256	224	251
Grossmont	102	101	100	107	105	105	103	104	143
Hartnell	58	65	62	62	61	56	62	61	65
Imperial Valley	64	67	72	71	88	78	72	80	57
Long Beach City	19x	221	245	257	239	256	259	246	321
Los Angeles City	259	240	200	174	175	150	148	162	162
Los Angeles Harbor	169	161	167	166	168	160	174	174	142
Los Angeles Pierce	145	162	166	173	173	169	169	172	188
Los Angeles Southwest	163	131	193	118	206	209	150	215	190
Los Angeles Trade-Technical	66	64	. 311	311	102	99	93	96	99
Los Angeles Valley	247	275	306	268	295	289	269	255	320
Los Medanos	-	20	38	65	41	44	47	57 -	60
Merced	-	-	-	-	-	•		-	30
Merritt	96	95	99	105	105	107	108	115	155
Modesto	174	161	134	185	137	176	180	183	191
Mount San Antonio	109	103	115	101	110	129	130	130	173
Napa	110	112	96	95	89	97	93 °	100	100
Ohlone	85	80	76	81	.77	70	77	- 72	73
Palomar	107	99	117	119	132	147-) 236	146 ,240	153 264	168 260
Pasadena City	252 126	264 142	243 148	255 173	175	181	200	204	222
Rio Hondo Riverside City	185	185	191	201	197	184	169	185	195
Sacramento City	115	118	132	133	129	121	126	138	144
Saddleback	107	127	103	124	194	151	188	205	216
San Bernardino Valley	103	116	110	116	117	122	118.	108	101
San Diego City	30	29	30	33	32	39	43	125	137
San Joaquin Delta	113	123	127	125	133	129	124	122	148
San Jose & Evergreen Valley		135	147	164	143	159	156	166	181
Santa Ana	30	30	30	55	59	47	47	48	60
Santa Barbara	83	83	91	74	82	.102	97	78	90
Santa Monica	106	112	115	115	122	121	134	116	129
Santa Rosa	84	- 96	104	99	97	99	107	103	108
Shasta ,	66	69	66	73	70		72	83	93
Sierra	-	-	-	-	-	19	-		
Solano	78	91	48	87	81	83	88	81	93
Southwestern	77	79	77	77	, 79	74	76	76	76
vencura	98	95	123	120	131	165	200	192	233
Victor Valley	-	-	33	58	70	72	83	100	141
West Los Angeles	-	-	-	-	-	-	-	45	72
Yuba								<u> </u>	26
	<	6 100	7 000	7 0/0	7 000	7 100	7 200	7 000	9 54/
TOTAL	6,319	0,482	7,098	1,242	7,089	7,180	1,332	7,829	0,304

Source: Board of Registered Nursing.



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Table N-3 indicates that enrollment in associate degree nursing programs offered by four-year institutions remains essentially at the level of eight years ago, although it has been considerably higher in the meantime.

Table N-4 reveals conflicting trends in batcalaureate-level nursing enrollments. At the University of California, enrollments are down substantially, reflecting the phasing out of the generic B.S. program in nursing at the San Francisco campus. In the State University, enrollments are up, but these particular enrollments have been characterized for years by fluctuations, reflecting year-to-year and campus-to-campus changes in the way students are counted, particularly at the lower division level. Total enrollment in the baccalaureate programs in the independent sector is relatively trendless for the last five years, although 1979 and 1980 did show somewhat larger totals than 1978 and 1981.

TABLE N-3 Fall Enrollment in Associate Degree Nursing Programs at Independent Four-Year Institutions, 1973-1981

Institution	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	1981
Loga Linda*	114	148_	169	167	85	79	59	67	85
Mt. St. Mary's	94	91	9 6	124	139 [.]	137	ົ້ 133	132	130
Pacific Union	273	290	321	257	320	260	231	248	275
TOTAL	481	529	586	548	544	476	423	447	490

*It is not possible to determine fallgenrollment in this associate degree program until the quarter before graduation when students declare *heir degree intentions.

Source: Analytical Studies, California Postsecondary Education Commission.

TABLE N-4 Fall Enrollment in B.S. Nursing Programs at Four-Year Institutions, 1973-1981

Institution	1973	1974	1975	1976	1977	1978	1979	1980	1981
PUBLIC							• .		
UCLA	88	95	92	123	× 98	97	95	100	94
UCSF	319	336	269	287_	293	281		181	83
TOTAL UC	408	431	361	410	381	378	380	28 1	177
CSC Bakersfield	168	118	105	83	103	102	115	96	143
CSU Chico	499	274	254	232	236	227	196	178	182
CSU Fresno	302	439	, 491	473	434	394	. 491	509	523
CSU Hayward	302	120	195	176	163	212	220	183	177
Humboldt State	197	167	146	182	189	198	181	160	233
CSU Long Beach	456	· 488	578*	577*	571*	515*	498★	437*	473*
CSU Los Angeles	646	723*	784*	814*	727*	739*	713*	644*	637*
CSU Sacramento	496	313	337	346	354	36 6	348	354	392
San Diego State	423	279	310	419	400	385	408	488	504
San Francisco State	306	325	342	338	411	363	357	395	407
San Jose State	506	442	443	446	457	452	547	544	560
TOTAL CSU	4,301	3,688	3,985	4,086	4,045	3,953	4,074	3,988	4,231
INDEPENDENT					÷				•
Azusa Pacific	–	29	NA	94	64	96	146	135	167
Biola	210	178	5 141	353	180	198	194	195	176
Loma Linda	265	279	255	254	372	311	340	288	248
Mt. St. Mary's	112	118	120	124	129	135	172	172	184
Point Loma	57	67	111	259	263	122	123	122	108
Stanford	18 ₄	· -	-	- ;	-	-	-	-	-
USF	328	365	363	<u> </u>	403	599	622	661	604
TOTAL INDEPENDENT	990	1,036	• •	1,495	1,411	1,461	1,597	1,573	1, 487

*These institutions also have degree-completion programs for R.N.s, the students of which are included in these totals.

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Source: For public institutions: HEGIS; UC Statistical Summary; CSU Statistical Reports. For independent institutions: HEGIS; Board of Registered Nursing; direct institution response.

Table N-5 points to considerable variation in enrollment in B.S. programs for previously licensed nurses during recent years, reflecting the part-timeness of students who may "stop out" from time to time. After initial rapid growth, the size of these programs may now be stabilizing.

Table N-6 displays fall nursing enrollment by sex and ethnicity for 1976-81. This table displays ethnicity in nine categories, unlike similar tables for medicine, dentistry, pharmacy, and optometry, in which Filipino enrollment for public institutions is combined into the Asian category and the "No Response" and "Other" totals are pro-rated into known ethnic enrollment to make their columns comparable to those for independent institutions which report ethnic data in the six-category format of the Higher Education General Information Survey (HEGIS).

While total baccalaureate-level nursing enrollment in the public segments increased by 32.3 percent during the five years, Table N-6 shows that enrollment of underrepresented minorities underwent even greater change but followed no consistent pattern. Black enrollment actually declined by 38.7 percent, while Hispanic enrollment grew 57.4 percent. In terms of the proportion of total enrollment, Blacks dropped from 7.5 percent in 1976 to 4.4 percent in 1981, while Hispanics increased from 4.6 percent to 5.4 percent. It should be noted, however, that a fairly high proportion of nursing enrollment (10.8% in 1976 and 16.0% in 1981) was in the "No Response" or "Other" categories, and additional minority enrollment may be hidden within these categories. In the University of California, enrollment of both underrepresented minorities declined both numerically and proportionately.

TABLE N-5 Fall Enrollment in B.S. Programs for Previously Licensed Nurses, 1974-1981

Institution	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
PUBLIC								
CSU Fullerton CSC San Bernardino Sonoma State CSC Stanislaus	36 120 165	141 106 195	237 110 210	288 101 227 57	271 119 226 100	255 99 244 <u>133</u>	208 138 219 113	198 131 203 106
TOTAL, PUBLIC	321	442	557	673	716	731	67,8	638
INDEPENDENT								
Holy Names Univ. of San Diego California Lutheran	18 45	44 76 	61 44 	66 52 	65 66 <u>18</u>	-76 85 28	76 72 29	71 64
TOTAL, INDEPENDENT	63	120	105	118	149	189	177	156

Source: HEGIS, supplemented by data from CSU Chancellor's Office.



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TABLE N-6Fall Enrollment in Nursing at Public Four-Year Institutions,
by Ethnicity and Sex, 1976-1981

					A			,	•												
	No	n-	81	ack		rican Han/	As	ian/			Wb	ite									
Institution		dent		lon-		ska	Pac	ific			N	on-				No					
and Year		ien	His	panic		<u>ive</u>						Panic					<u>0t</u>	<u>ner</u>	Tot	tal_	<u>A11</u>
	M	F	M	F	M	۴	M	F	М	F	M	F	M	F	M	F	M	F	M	F	
UCLA																					
1976	0	0	0	7	0	0	0	25	0	8 -	2	76	0	4	0	0	0	1	2	121	123
1977	0	0	0	Ś.	0	0	0	19	0	7	0	62	0	6	0	1	0	0	0	98	98
1978	0	1	0	5	0	0	0	9	0	13	0	62	0	3	1	0	0 .	0	1	93	94
1979	0	2	0	3	0	0	0	8	0	7	4	60	0	0	1	2	0	0	5	82	87
1980 1981	0	1 2	1	1 3	0	0	0	11 8	0	4 1	6 5	70 69	0	1	0	5 2	0 0	0 2	7 6	93 88	100 94
UCSF	Ŭ	-	-	5	v	U	Ŭ	0	Ŭ	-	5		Ŭ	-	Ŭ	-	Ŭ	-	Ŭ	00	24
1976	0	0	0	16	C	2	໌ 2	38	3	5	29	161	0	11	· 3	14	0	3	37		287
1977	0	.1	1	17	0	1	5	37	1	5	24	172	0	14	0	4	0	1	31	252	283
1978	. 0	2	2	15	0	0	3	29	2	9	27	170	0	11	0	7	3	4	37		284
1979 1980	0	4	2 1	12 6	0 0	0	0	31 21	3 1	11 6	26 15	170 121	1	10 •4	0	6 1	4 1	3 0	36	247 162	2 8 3 181
1981	ŏ	ī	ō	1	ŏ	1	õ	5	ō	3	4	67	Ō	1	Ō	ō	ō	ŏ	4	79	83
CSC Bakersfield .	-	-	-	-	-	-	-		-		•	••	-			•	-	-			
1976	0	3	0	1	0	1	0	1	1	6	7	44	0	0	0	2	0	0	8	58	66
1977	0	1	0	0	0	0	0	5	1	4	7	65	0	1	0	3	0	0	8	79	87
1978 1979	0	4 0	0	1 4	0 0	1 1	0	6 6	0	0 8	4	64 68	0	G O	0	5 13	1 2	0 4	5	81 104	86 113
1980	ŏ	ŏ	1	2	ŏ	i	Ő	3	ŏ	9	10	63	i	1	ŏ	1	ō	4	12	84	96
1981	ŏ	ō	ī	5	1	3	ŏ	3	ĩ	ú	11	89	ī	ī	ĩ	10	Ō	5		127	143
CSU Chico																					
1976	0	0	0	4	0	0	1	4	0	7.	10	158	0	0	2	38	1	2	14		227
1977	0	• 0	0	3	0 0	0 1	1	2	0	7 4	10 13	152	0	0	2	43 48	1 0	0	14	207	221
1978 1979	0	0 0	Ö	2 0	ŏ	1	0	0' 0	0	5	14	135 122	0	0	2 2	34	2	3 5		193 167	208 185
1980	ŏ	ŏ	ŏ	ĩ	ŏ	ō	ŏ	2	ŏ	3	10	134	ŏ	ŏ	3	21	2	2		163	178
1981	Ō	0	Ō	ī	0	. 0	0	1	Ō	2	9	158	0	Ō	ō	5	ī.	5		172	182
CSU Fresno		_								_			_	_				_			
1976	. 0	1	0	8	0 0	3	2	19	3	20	20	227	0	0 0	2 5	⊳ 9 \>>0	0	5 4		292	319
1977 1978	0 1	2 2	1	4 5	0	2	2 1	15 12	1 4	15 15	15 18	180 .169	0 1	1	1	`30 8	0 1	4		252 218	275 246
1979	ō	ō	ō	13	ŏ	8	ī	27	6	33	17	343	ī	7	2	24	ī	8		463	491
1980	Ō	6	2	10	·2	9	ō	32	5	36	22	329	2	5	ī	39	ū.	8		474	509
1981	0	6	1	8	1	9	1	22	5	37	24	329	2	7	3	60	0	8	37	486	523
CSU Hayward	· •	,	•	,	•	•	•	•	•	•		1.05	~	•	~	•	•	,		107	1/0
1976 1977	0	4 5	0	4 1	0 0	1 2	0	3 3	0	2 2	11 10	105 91	0	2 2	0	2 1	2 2	4 3		127 110	140 122
1978	ŏ	4	ŏ	3	ŏ	2	ŏ	12	ŏ	8	16	97	ŏ	ī	ŏ	4	ō	õ		131	147
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1981 1981	0	0	1	6	0	4	0	14	1	9	10	126	0	2	0	2	0	2	12	165	177
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1976	2	15	2	38	0	6	0	19	2	13	18	251	0	1	1	39	1	6	26	388	414
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1978	0	2	0	25	0	5	0	13	3	14	16	205	0	11	1	51	1	7		333	354
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TABLE N-6 (Continued)

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1981 0 1 0 20 1 6 0 36 0 41 12 239 1 12 0 110 0 133 154 2086 1 31 29 293 5 34 228 3103 333 1976 3 31 4 24 12 227 19 133 154 2086 1 31 29 293 5 34 228 3103 333 1976 1 23 4 199 1 16 13 202 12 131 158 1859 0 53 22 274 17 165 228 292 314 197	1980	0		-		_	-	-		-				-							541	560
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Note: Numbers in this table are not closely comparable to numbers in the annual <u>Statistical Report</u> published by the California State University because a different method is used in that publication for counting enrollment.

a. For simplicity, a single enrollment for which no sex was designated (San Francisco, 1980, Hispanic) has been counted as being female.

Source: Analytical Studies, California Postsecondary Education Commission.



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Degree Production

Table N-7 indicates that output of the four remaining hospital diploma programs is higher than it was eight years ago, and is the second highest since that time.

Table N-8 shows that output of Community College nursing programs has resumed its upward trend after leveling off for two years. Several new programs are contributing to this growth.

TABLE N-7 Diplomas Conferred in Hospital Nursing Programs, 1972-73 - 1980-81

Hospital CONTINUING PROGRAMS	1972 <u>-73</u>	1973 <u>-74</u>	1974 <u>-75</u>	1975 <u>-76</u>	1976 <u>-77</u>	1977 <u>-78</u>	1978 <u>-79</u>	1979 <u>-80</u>	1980 <u>-81</u>
St. Luke's Ca. Hospital Medical Center L.A. County Medical Center Samuel Merritt	34 23 177 <u>48</u>	34 30 175 65	45 40 163 70	40 42 229 <u>60</u>	41 35 120 79	39 40 126 50	32 43 162 51	40 43 176 44	40 26 •192 71
TOTAL	282	304	318	371	275	255	288	303	329
DISCONTINUED PROGRAMS									· .
Kaiser San Jose St. Vincent's	45 42 54	45 35 	56	-		-	-	-	
TOTAL	151	80	56	-	-	-	-	-	-
GRAND TOTAL	433	384	374	371	275	255	288	303	329

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Source: Analytical Studies, California Postsecondary Education Commission.

ERIC Full lext Provided by ERIC

TABLE N-8

Associate Degrees Conferred in Nursing Programs at Community Colleges, 1972-73 - 1980-81

	972 -73	1973 -74	197 4 -75	1975 -76	1976 -77	1977 -78	1978 -79	1979 -80	1980 -81
Community College	-/3 -								05
American River	37	33	33	35	28	35 33	39 32	28 31	35 57
Antelope Valley	34	35	28 47	31 58	40 42	32	59	63	56
Bakersfield	42 25	38 24	36	33	35	34	36	34	45
Cabrillo	53	49	71	78	84	- 7 1 -	86	75	77
Cerritos Chabot	48	46	40	50	. 49	44	47	47 67	49 65
Chaffey	52	50	50	29	72	69 8 8	65 85	82	73
C.C. of San Francisco	42	69	87	81	80	-	-		34
College of the Canyons	40	34	51	65	58	90	80	80	80
College of the Desert College of Marin	40	40	33	51	47	42	47	42	61
College of the Redwoods	23	22	28	30	28	42	37 52	45	32 53
College of San Mateo	40	50	35	45	49 29	37 29	42	42	39
College of the Sequoias	29	27 51	32 63	30 46	46	42	42	38	35
Compton	52 85	75	79	70	74	64	59	55	49
Contra Costa	26	26	22	25	25	26	27	28	35
Cuesta Cypress	67	·77	77	78	76	85	69 45	76 56	84 49
De Anza	56	54	55	33	45	34 79	45 65	66	25
East Los Angeles	49	66	64 71	92 84	45 77	75	73	93	80
El Camino	51 49	60 43	49	54	72	70	75	63	63
Fresno City	45	-	-	-	-	<i></i>	-	-	39
Glendale Golden West	69	64	84	93	108	84	89	122 46	130 48
Grossmont	40	40	47	46	50	49 25	44 21	27	25
Hartnell	22	23	26	24 32	27 24	23	34	30	45
Imperial Valley	30 89	26 82	23 102	119	129	115	128	127	115
Long Beach City	81	110	75	95	95	68 ·	68	74	63
Los Angeles City Los Angeles Herbor	61	77	51	67	60	68	57	57	52 68
Los Angeles Pierce	30	60	74	71	75	81	74 55	78 61	60
Los Angeles Southwest	41	47	56	53	82 84	64 92	55 69	78	72
Los Angeles Trade-Technical	67	64 110	64 130	62 158	138	160	169	138	136
Los Angeles Valley	108	-	- 150	16	20	19	20	21	34
Los Medanos Merritt College	43	49	46	49	_ 5C	52	55	52	70 70
Modesto	43	57	42	38	105	-51 46	69 47	100 53	57
Mount San Antonio	35	42	43	41 47	48 33	40 39	38	42	53
Napa	29	46 32	50 37	30	39	36	26	32	28
Ohlone	31	61	37	65	49	56	71	68	80
Palomar Pasadena City	83	101	154	126	121	99	90	122 99	131 98
Rio Hondo	50	47	65	64	84 93	82 88	84 87	69	82
Riverside City	61	71 41	71 44	81 55	55	63	52	51	59
Sacramento City	46 36	38	63	67	54	83	83	84	108
Saddleback San Bernardino Valley	45	45	49	51	57	57	59	59	56
San Diego City	27	29	28	30	28	29	38	40 57	56 63
San Joaquin Delta	48	49	57	67	60 63	61 48	66 59	58	68
San Jose & Evergreen Valley	54	• 51	54 30	50 54	53	58	47	47	47
Santa Ana	32	29 37	36	14	37	22	28	35	39
Santa Berbara Santa Moni ca	42	54	59	60	65	57	62	70	46 47
Santa Rosa	25	36	44	52	48	44	39	52 36	30
Shasta	23	29	33	31	35	29 34	36 34	38	39
Solano	39	29 32	36 33	37 33	36 37	33	34	33	36
Southwestern	29 42	52 52		53	49	64	64	89	92
Ventura Victor Valley		-		-	28	28	31	43	47
West Los Angeles									18
TOTAL	2,451	2,729	2,933	3,129	3,320	3,482	3,289	3,449	3,583

Source: Board of Registered Nursing.

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Table N-9 reveals that output of non-Community-College associate degree programs has been fairly level for several years after peaking in the late 1970s.

Table N-10 demonstrates that the output of baccalaureate-level programs continues to dip in the State University as well as in independent institutions. This trend, along with lower enrollment from budget cuts in the nursing schools of the University of California does not augur well for long-term resolution of periodic nursing shortages in California or toward the related goal of enhancement of the professional standing of nursing.

TABLE N-9 Associate Degrees Conferred in Two-Year Nursing Programs at Four-Year Institutions, 1972-73 -1980-81

Institution	1972 <u>-73</u>	1973 -74	1974 <u>-75</u>	1975 <u>-76</u>	1976 <u>-77</u>	1977 <u>-78</u>	1978 -79	1979 <u>-80</u>	1980 -81
Loma Linda Mt. St. Mary's Pacific Union	24 	40 34 83	54 36 103	64 32 <u>119</u>	61 46 <u>107</u>	85 69 99	11 66 <u>102</u>	51 64 <u>84</u>	61 62 -59
TOTAL	102	157	193	215	214	253	179	199	182

Source: Analytical Studies, California Postsecondary Education Commission.

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TABLE N-10

Bachelor's Degrees Conferred in Nursing Programs at Four-Year Institutions, 1972-73 -1980-81

Institution	1972 -73	1973 -74	1974 <u>-75</u>	1975 <u>-76</u>	1976 <u>-77</u>	1977 <u>-78</u>	1978 -79	1979 <u>-80</u>	1980 <u>-81</u>
PUBLIC									
UCLA	49	38	43	81	48	51	46	45	48
UCSF	90		184	102	120	137	136	138_	138
TOTAL, UC	139	117	227	183	168	188	182	183	186
CSC Bakersfield	57	62	38	46	55	• 77	92	73	10
CSU Chico	70	89	92	91	78	107	129	81	70
CSU Fresno	129	105	128	114	110	125	58	92	95
CSU Hayward	20	55	87	65	73	62	54	78	70:
Humboldt State	21	22	39	29	34	33	36	42	39
CSU Long Beach	74	72	83	92	105	132.	103	120	118 -
CSU Los Angeles	146	233	178	161	94	199	212	174	163
CSU Sacramento	47	76	59	100	74	241	137	55	64
San Diego State	84	-79	84	95	87	97	118	38	77
San Francisco State	57	5,6	80	70	63	84	96	88	97,
San Jose State	119	130	114	129	110	106	70	129	107
TOTAL, CSU	767	979	982	992	883	1,263	1,105	970	910
INDEPENDENT Azusa Pacific	-	-	-	-	*	28	59	21	25
	20	28	29	. 39	44	57	· 57	56	61
Biola Loma Linda	46		83		81	76	103	100	68
Mt. St. Mary's	45				68	· 58	78	. 98	89
Point Loma	-				33	39	40	39	36
Stanford	18	-			-	_	-	-	
	90		•	119	120	129	125	161	153
USF	 219								432
TOTAL INDEPENDENT	213		~~~						

*Azusa Pacific reported no graduates to HEGIS for 1976-77, but it reported 23 graduates in May of 1977 to the Board of Registered Nursing.

Source: For public institutions: HEGIS; UC Statistical Summary; CSU Statistical Reports. For independent institutions: HEGIS; Board of Registered Nursing; direct institutional response.



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Table N-11 indicates that the number of B.S. degrees conferred to previously licensed nurses is holding up reasonably well, reflecting the continued need for such programs for the growing population of associate degree nurses.

Table N-12 shows that total output of public baccalaureate programs in nursing continues to fall. By 1981, it was down about 25 percent from the all-time high reached in 1977-78. On some California State University campuses, the number of students graduating varies widely from year to year which is hard to explain in professional programs which generally are regarded as having a fixed number of "seats" available.

Efforts at attracting and retaining additional numbers of underrepresented minorities into nursing are generally disappointing. The percentage of nursing graduates who are Black declined from 7.7 to 3.7 over the five-year period, while the actual number fell from 92 to 40. For Hispanics the percentage declined from 4.6 to 3.8, with the number dropping from 55 to 41. In contrast, the output of males--the underrepresented sex in nursing--increased proportionately from 5.8 percent of the total to 8.3 percent, and numerically from 70 to 91.

TABLE N-11 Bachelor's Degrees Conferred in Programs for Previously Licensed Nurses at Four-Year Institutions, 1973-74 - 1980-81

Institution	1973 <u>-74</u>	1974 -75	1975 <u>-76</u>	1976 <u>-77</u>	1977 <u>-78</u>	1978 -79	1979 <u>-80</u>	1980 -81
PUBLIC CSU Fullerton	–	-	ii	28	53	49	67	59
CSC San Bernardino Sonoma State University CSC Stanislaus	37	56	33 78	24 72	82 	12 70 	26 86 40	24 102 6
TOTAL PUBLIC	37	56	122	124	140	158	219	191
INDEPENDENT Holy Names University of San Diego California Lutheran	NA	5	3	4	7 24	26 22 3	18 34 9	27 30 11
TOTAL INDEPENDENT		5	3	16	31	51	61	68
GRAND TOTAL	37	61	125	140	171	209	280	259

Source: Analytical Studies, California Postsecondary Education Commission.



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Table N-12 Bachelor's Degrees Conferred in Nursing Programs at Public Four-Year Institutions, by Ethnicity and Sex, 1975-76 - 1980-81

Institution 		ident ienF	Bla No <u>Hisp</u> M	n-	Ameri India Alas <u>Nati</u> M	an/ kan	Asi Paci <u>Isla</u> M	fic	<u>Hisp</u> M	o <u>anic</u> F	Hist	te on- <u>panic</u>	<u>Fili</u> M	<u>pino</u> F	spo	Re- Inse F	<u>Oth</u> M	er	Tot M	tal F	<u>_A11</u>	•
UCLA 1975-76 1976-77 19778 1978-79 1979-80 1980-81	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	3 3 0 3 2 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0	12 7 13 7 4 5	0 0 0 0 0	6 7 3 2 5 1	5 1 1 0 4	54 29 33 32 33 34	0 0 0 0	1 1 2 0 0	0 0 0 1	0 0 0 0 0	0 0 0 0 0	2 1 0 0 4	5 1 1 0 1 4	78 48 50 46 44 44	83 49 51 46 45 48	
UCSE 1975-76 1976-77 1977-78 1978-79 1979-80 1980-81	0 0 0 0 0	0 0 0 1 1	0 0 1 1 1	14 6 8 4 5	0 0 0 0	0 0 1 0 0 1	1 2 3 0	0 17 20 16 13 19	2 1 1 0 2 1	12 4 4 6 3	6 17 11 14 14 13	77 82 84 91 78 88	1 0 0 0 1	3 3 9 3 7 4	0 0 0 0 0	0 0 0 5 0	0 0 0 2 1	0 0 0 3 0	10 19 14 18 19 17	106 112 126 118 119 121	116 131 140 136 138 138	
CSC, Eakersfiel 1975-76 1976-77 1977-78 1978-79 1979-80 1980-81	d 0 1 0 6 0	0 3 1 17 0	1 0 0 0 0	3 1 0 1 0	0 0 1 0 0	0 1 0 0 0	0 1 2 0 1 0	1 3 1 5 3 0	1 2 2 0 0	2 3 4 1 2 0	6 7 12 7 1 1	32 33 52 74 40 6	0 0 1 0 0	0 0 1 0	0 0 0 0	0 0 3 0 1 3	000000	0 0 0 1 0	8 11 16 10 8 1	38 44 61 82 65 `9	46 55 77 92 73 10	
CSU, Chico 1975-76 1976-77 1977-78 1978-79 1979-80 1980-81	0 0 0 0 0	0 0 0 0	0 0 0 0 0	3 1 1 2 0 0	0 0 0 0 0	1 0 0 1 0	0 0 0 0 0	1 2 0 0	0 0 0 0 0	0 2 3 1 2	3 3 7 7 6	74 60 62 72 44 48	0 : 0 0 0	0 0 0 0 0	0 0 1 2 2 1	8 9 34 43 24 12	0 0 1 0 0	1 0 0 2 0	3 3 5 9 8	88 75 102 120 72 62	91 78 107 129 81 70	
CSU, Fresno 1975-76 1976-77 1977-78 1978-79 1979-80 1980-81	0 0 0 0 0	4 0 1 0 0	0 0 0 0 0	2 4 1 0 2 1	1 0 0 0 0 0	0 2 1 0 3	0 0 2 0 1 0	5 3 11 1 2 10	0 1 0 0 1 0	6 4 8 1 1 2	3 8 6 11 6 6	91 81 90 32 77 62	0 0 1 0	0 0 0 1 0	0 2 0 1 0 1	1 2 2 10 0 7	0 0 0 0 1	1 3 1 1 2	4 11 8 13 8 8	110 99 117 45 84 87	114 110 125 58 92 95	
CSU, Hayward 1975-76 1976-77 1977-78 1978-79 1979-80 1980-81	0000000	1 2 3 0 0 1	0 0 0 0	6 2 1 1 3	0 0 0 0 0	1 0 1 0 1 2	0 0 0 0 0	3 1 0 1 6 7	0 0 0 0 0	0 1 0 1 6 2	5 5 7 8 6	41 56 52 43 54 49	0 0 0 0	2 0 1 0 2 0	000000000000000000000000000000000000000	2 2 0 0 1 0	0 0 1 0	4 4 2 0 0	5 5 2 8 8 6	60 68 60 46 70 64	65 73 62 54 78 70	
Humboldt State 1975-76 1976-77 1977-78 1978-79 1979-80 1980-81	0 0 0 0 0	0 1 0 0 2	0 0 0 0 0	0 1 0 1 0 1	0 0 0 0	1 2 0 0 0 0	0 0 0 0 0	2 0 0 1 0	0 1 0 2 0	0 0 2 1 0 0	1 3 1 3 7 6	23 17 30 23 29 27	0 0 0 0	0 0 0 0 0	0 0 2 0 1	2 6 0 4 3 2	0 0 1 0	0 3 0 1 0	1 4 1 6 9 7	28 30 32 30 33 32	29 34 33 36 42 39	

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Table N-12 (Continued)

Institution and Year		on- dent en F	No	ack on- oanic F	Indi Alas Nat	ican an/ kan <u>ive</u> F	Paci		His M	<u>panic</u> F	N <u>His</u>	ite on- panic F	<u>F111</u> M	<u>píno</u> F	sp	Re- onse F	<u>Otř</u> M	<u>er</u> F	- <u>To</u> M	otal F	<u>A11</u>
CSU, Long Beach 1975-76 1976-77 1977-78	0 0 0	011	0 0	7 6 6	0 0 0	0 2 1	1 1 0	8 4 10	0 0 0	2,36	1 1 2	69 73 87	0	0 0 1	0 0 0	4 12 17	0 0	0 2 1	2 2 2	90 103 130	92 105 132
1978-79 1979-80 * 1980-81	0 0 0	0	0 1 0	8 3 3	0 0 0	I 0 1	0 0 0	3 6 4	0 2 0	6 2 5	454	61 74 78	0 0 0	1 4 2	0 0 0	17 18 17	1 0 0	_0 5 3	5 8 4	98 112 114	103 120 118
CSU, Los Angele: 1975-76 1976-77	5 0 0	2 0	2 2	22 19	0 0	2 0	'0 0	20 10	0	19 5	1 2	84 50	0	0 ; 0	1 0	8 5	0 0	0	4 5	157 89	161 94
1977-78 1978-79 1979-80	0 0 0	0 3 1	0 1 0 1	22 29 18 17	0 0 0	1 1 1 0	0 1 0 0	16 11 12 21	1 0 0	14 15 12 13	4 6 5 7	125 120 115	0 0 0 1	2 1 0 0	1 1 2 2	13 23 8 10	0 0 0	0 0 0 2	-6 9 7 11	193 203 167 152	199 212 174
1980-81 CSU, Sacramento 1975-76	0	2	0	5	1	1	0	2	0	3	3	89 57	0	0	3	23	0	0	7	93	163 100
1976-77 1977-78 1978-79 1979-80	0 0 0 0	0 8 4 0	0 0 0	1 5 7 0	0 0 2 0	0 0 0	0 1 い	2 3 6 1	0 1 0 0	3 - 8 6 1	4 12 7 4	47 188 88 34	0 0 0 0	0 1 0 0	1 1 4 1	12 13 11 14	0 0 1 0	4 0 1 0	5 15 14 5	69 226 123 50	74 241 137 55
1980-81 San Diego State 1975-76	0 0	1 0	1	0 3	0	1 0	1	1	0	0	2 14	3 2 75	0 0	0	3	20 0	0 _{.9}	2 0	7	57 80	64 95
1976-77 1977-78 1978-79	0 0, 0	0 1 0	0 0 0	0 1 4	0 0 0	0 0 2	1 0 0	0 0 3	0 0 0	0 3 3	4 1 10	81 91 96	0 0 0	0 0 0	0 0 0	1 0 0	0 0 0	0 0 0	5 1 10	82 96 108	87 97 118
1979-80 1980-81 San Francisco Si	0 0 tate	0 0	0 0	3 1	0 0	0 0	0 0	2 2	0	1 4	3 4	27 57	1 0	1 1	0 1	0 6	0 0	0	4 5	34 72	38 77
1975-76 1976-77 1977-78	0 0 0	0 0 0	0 1 0	8 3 2	0	0 1 1	0 0 0	7 10 12	0 0 0	1 0 0	1 0 5	47 43 54	0 0	2 2 4	0 0 0	2. 1 2	0 0	°2 2 4	1 1 5	69 62 79	70 63 84
1978-79 1979-80 1980-81	0 0 0	1 0 4	0 0 1	6 5 4	0 0 0	0 0 0	0 0 0	12 9 9	1 0 0	2 1 3	2 2 9	65 58 59	0 0 0	6 9 3	0 0 0	1 1	0	0 3 4	3 2 10	93 86 87	96 88 97
San Jose State 1975-76 1976-77 1977-78	ა 0 0	1 0 0	0 0	8 4 3	0 0 0	1 1 0	0 1 0	8 10 9	2 0 0	6 1 0	0 2 2	85 74 70	0 0 0	1 1 1	0 2 2	16 14 15	0 0 0	1 0 4	2 5 4	127 105 10 2	129 110 106
1978-79 1979-80 1980-81	0 0 0	18 4 2	0 0 0	0 3 1	0 0 0.	1 0 0	0 0 0	2 4 5	0 0 0	2 4 5	3 2 3	35 80 60	0 0 0	0 2 0	0 1 0	6 25 28	0 0 0	3 4 3	3 3 3	67 126 104	70 129 107
TOTAL 1975-76 1976-77	0 1	12 7	3 3	89 53	2	8 10	3	79 68	5 6	50 27	50 55	800 725	1	8 5	6	71 74	0	18 25	77	1135 994	1205 1071
1977-78 1978-79 1979-80 1980-81	1 0 6 0	15 31 23 12	0 2 2 4	50 71 43 36	0 3 0 0	6 7 3 8	7 4 2 1	96 68 63 83	3 3 7 1	52 57 42 40	62 87 64 71	1017 929 743 689	1 1 1 2	21 15 26 10	5 12 7 9	139	2	15 12 19 21	116 91	1374 1329 1062 1005	1454 1445 1153 1096

Source: Analytical Studies, California Postsecondary Education Commission.



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Table N-13 indicates that the output of generic nursing programs in independent institutions dipped slightly from the record levels of 1979-80. Virtually all of these programs are characterized by fairly stable output levels.

TABLE N-13

Bachelor's Degrees Conferred in Nursing Programs at Independent Institutions, by Sex, 1972-73 -1980-81

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Institution	1972 -73 M F	1973 -74 M F	1974 <u>-75</u> M F	1975 <u>-76</u> M F	1976 -77 M F	1977 <u>-78</u> M F	1978 <u>-79</u> M F	1979 <u>-80</u> M F	1980 <u>-81</u> M F
Biola Loma Linda Mt. St. Mary's Point Loma San Francisco	nc NC NC NC NC	0 28 2 72 0 63 1 30 <u>1 104</u>	0 29 2 81 0 73 2 26 2 <u>108</u>	0 39 1 76 0 73 1 34 <u>1 118</u>	1 43 1 80 0 68 1 32 1 119	NC NC 3 81 1 75 0 41 NC NC	1 56 3 100 9 78 4 36 <u>3 122</u>	1 55 7 93 0 98 1 38 20 141	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
TOTAL	NC	4 297	6 317	3 340	4 342	4 197	11 392	29 425	15 392

Note: "NC" indicates that data are not collected in this form or level of detail. Source? Analytical Studies, California Postsecondary Education Commission.

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Table N-14 reveals that the output of graduate degrees in nursing appears to be in a long-range uptrend, particularly in the California State University. The University of California remains the primary supplier of graduate level nurses in this state, but no clear trends are apparent in its output of master's and doctoral degree recipients in nursing. ١

TABLE N-14 Graduate Degrees Conferred in Nursing, 1973-74 - 1980-81

Institution	1973 <u>-74</u>	1974 <u>-75</u>	1975 -76	1976 <u>-77</u>	1977 <u>-78</u>	1978 -79	1979 <u>· -80</u> '	1980 -81
MASTER'S DEGREES								
UNIVERSITY OF CALIFORNIA UCLA: UCSF	75 153	89 	69 _149	83 155	105 134	85 98	126 144	111 137
TOTAL UC	228	140	218	238	239	183	270	248
CALIFORNIA STATE UNIVERSITY CSU, Chico CSU, Fresno CSU, Los Angeles San Jose State CSU, Long Beach TOTAL CSU INDEPENDENT UNIVERSITY Loma Linda	x 4 12 40 9 	8 18 46 12 84	6 14 29 15 	8 5 39 19 71 31	8 11 26 12 8 65	3 8 21 12 18 62 23	3 13 31 13 31 91 22	3 7 45 13 <u>27</u> 95
TOTAL MASTER'S DEGREES	310	239	304	340	323	268	383	360 r
DOCTORAL DEGREES								
UCSF	. 7	4	3	2	8	5	7	9
GRAND TOTAL	317	243	307	342	331	273	390	369

Source: Analytical Studies, California Postsecondary Education Commission.





DENTISTRY

In the field of dentistry, enrollment has begun to dip nationally, but this trend has not yet shown up in California (Table D-1). However, the output of graduates from the five dental schools in California dipped in 1980-81 from the record high of 1979-80, as Table D-2 reveals.

In dental education, affirmative action appears to have produced reasonably good results, particularly at the University of California, as Tables D-3 and D-4 show. The percentage of graduates of the University's dental schools who are B.ack has risen from 4.6 percent to 10.2 percent between 1976 and 1981, comparing favorably to the 1980 percentage of 7.5 for Blacks in the California population as a whole and 4.6 percent of the eligibility pool of 1981 college graduates in California. For Hispanics, the results have also been gratifying with the percentage of the dental graduates going from 10.3 to 10.8 during the five-year period, compared to the 1980 proportion of the population of 19.2 percent and 6.2 percent of the recent college graduate eligibility pool. In the three independent dental schools, the percentage of graduates who are Black declined from 2.6 to 1.4 during the same period, and the proportion of Hispanic graduates declined from 5.1 to 3.7 percent.

TABLE D-1 Fall Enrollment in Dentistry, 1973-1981

Institution	197	3 1974	1975	1976	1977	<u>1978</u>	1979	1980	1981
UCSF UCLA USC UOP Loma Linda	33 42 50 45 <u>45</u>	0	404 	377 426 508 404 208	384 425 511 408 	401 406 521 401 255	411 425 584 403 <u>269</u> 2,092	418 436 526 408 273 2.061	461 427 526 413 <u>370</u> 2,197
TOTAL	í 1,98	1,954	1,984	1,923	1,961	1,984	2,092	2,001	-,177

Source: Analytical Studies, California Postsecondary Education Commission.

TABLE D-2 Professional Degrees Conferred in Dentistry, 1966-67 - 1980-81

Institution	1966 <u>-67</u>		1968 -69	1969 <u>-70</u>	1970 <u>-71</u>	1971 <u>-72</u>	1972 <u>-73</u>	1973 <u>-74</u>	1974 -75	1975 <u>-76</u>	1976 <u>-77</u>	1977 <u>-78</u>	1978 <u>-79</u>	1979 <u>-80</u>	1980 <u>-81</u>	
UCSF UCLA USC UOP Loma Linda TOTAL	70 82 46 57 255	68 27 101 58 55 309	71 26 107 55 <u>59</u> 318	73 74 118 61 <u>59</u> 385	74 92 113 79 <u>64</u> 422		68 90 130 97 <u>64</u> 449	`124 191	73 99 122 119 <u>120</u> 533	89 85 147 125 <u>66</u> 512	76 94 132 137 <u>66</u> 505	88 106 134 127 <u>73</u> 528	82 103 107 133 <u>68</u> 493	89 116 138 131 <u>83</u> 557	90 86 123 135 <u>92</u> 526	

Source: Wong, 1976; Analytical Studies, California Postsecondary Education Commission.

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TABLE D-3 Fall Enrollment in Dentistry, by Ethnicity and Sex, 1976-1981

	10 190			1			· ·		
Institution and Year	Non- Residen <u>Alien</u> M F	Black t Non- <u>Hispanic</u> M F	Americ Indian Alaska <u>Nativ</u> M F	/ As n Pac	ian/ ific ande F	r <u>Hispanic</u> M F	White Non-	- <u>Total</u> M F	<u>A11</u>
PUBLIC									
UCLA			•						
1976	10 4	19 11	4 1	40	15	35 7	204 76	312 114	426
1977	10 2	23 18	1 0	55	20	54 6	208 81	351 127	478
1978	4 1	19 23	20	47	19	40 8	175 68	287 119	406
1979	72	25 18	12	61	21	51 13	154 70	2 9 9 126	425
1980	2 1	23 15	22	74	24	44 12	1 46 73	2 9 1 127	418
1931	0 0	18 12	33	66	26	44 14	1 73 68	304 123	427
UCSF .				5.0		())	000 007	000 /F	
1976 1977	1 1 1 0	18 9 21 8	20 30	53 71	6 11	492 454	209 27 198 25	3 32 45 339 48	377 387
1978	1 0	14 10	3 0	82	12	45 5	196 33	341 60	401
1979	1 0	17 8	3 0	84	20	54 6	199 33	358 .67	425
1980	ōō	15 6	1 0	91	25	55 6	197 40	359 77	436
1981	10	11 11	2 1	96	34	57 9	194 45	361 100	46 1
TOTAL PUBLIC									
1976	11 5	. 37 20	61	93	21	84 9	413 1 03	644 159	803
1977	11 2	44 26	4 0	126	31	99 10	406 106	690 175	865
1978	5 1	33 33	5 0	129	31	95 13	371 101	628 179	807
1979	82	42 26	42	145	41	105 19	353 103	657 193	850
1980	21	38 21	32	165	49	9 9 18	343 113	650 204	854
1981	10	29 23	54	162	60	101 23 ,	367 113	665 223	888
INDEPENDENT									
Loma Linda									
1976	13 0	34	0 1	8	1	21	169 6	195 13	208
1977	12 3	22	0 0	18	4	30	181 8	216 17	233
1978	15 7	13	0 0	21	10	7 1	186 4	230 25	255
1979	27 10	1 3	0 0	14	6	60	190 12	238 31	269
1980 1981	22 12 13 3	31 41	00	20 28	3 8	80 111	191 1 3 257 44	244 29 313 57	273 370
UOP	12 2	4 I	0 0	20	٥	11 1	237 44	313 37	570
1976	0 0	10	10	52	9	51	302 33	361 43	404
1977	0 0	ōō	ōŌ	56	9	5 1	307 30	368 40	408
1978	1 C	0 0	10	55	10	4 1	297 32	358 43	401
1979	0 0	0 0	10	50	12	40	2 9 5 41	350 53	403
1980	0 0	10	10	49	17	53	283 49	339 69	408
1981	0 0	20	40	42	22	83	261 71	317 - 96	413
USC 1976	376	15 3	4 0	52	6	45 9	327 26	480 50	530
1977	37 9	8 3	3 0	61	5	37 10	306 32	452 59	511
1978	15 4	62	5 0	95	_	39 9	300 33	460 61	521
1979	13 2	72	30	101	10	45 6	360 35	529 55	584
1980	28 5	31	2 0	87	13	2 9 2	319 37	468 58	526
1981	37 11	21	20	82	18	32 3	297 41	452 74	526
TOTAL INDEPENDENT						-			
1976	50 6	19 7	5 1	112	16	52 11	798 65		1,142
1977	49 12	10 5	30	135	18	45 11	794 70	1,036 116	
·1978 1979	31 11 40 12	75 85	60 40	171 165	33 28	50 11 55 6	783 69 845 88	1,048 129 1;117 139	·
1979	50 17	7 2	3 0	155	33	42 5	793 99		1,207
1981	50 14	8 2	6 0	152	48	51 7	815 156	1,082 227	
		-	2		_	·			
GRAND TOTAL	<i>2</i> 1 11			905		106 00	1 011 160	1 600 075	1 0/5
1976	61 11 60 14	56 27	11 2	205 261		136 20 144 21	1,211 168		1,945
1977 1978	60 14 36 12	54 <u>31</u> 40 38	7 0 11 0	300	49 64	144 21 145 24	1,200 176 1,154 170		2,017 1,984
1978	48 14	40 38 50 31 ·	8 2	310	69	160 25	1,198 191	1,774 332	
1980	52 18		- 6 - 2	321	82	141 23	1,136 212		2,061
1981	51 14	37 25	11 4	314		152 30	1,182 269	1,747 450	

Source: Analytical Studies, California Postsecondary Education Commission.

TABLE D-4 Professional Degrees Conferred in Dentistry, by Ethnicity and Sex, 1975-76 - 1980-81

Institution and Year	Non- Resident <u>Alien</u> M F	Black Non- <u>Hispanic</u> M F	Americ Indian Alaska <u>Nativ</u> M	ו/ וח	Asian, Pacific <u>Island</u> M	c er Hi	<u>spanic</u> M F	White Non- <u>Hispan</u> M		<u>Total</u> M	F	<u>A11</u>
PUBLIC UCLA 1975-76 1976-77 1977-78 1978-79 1979-80 1980-81	0 0 2 2 3 0 2 0 3 0 0 1	3 5 4 7	0 1 L 3 D 0 3 1 B 0 2 0	0- 1 0 0 0	9 4 17 8 13 14	1 2 6 5 3 6	11 2 3 0 7 1 4 0 10 1 8 2	51 49 47 62 52 25	7. 24 20 14 19 21	7 5 64 79 81 85 54	10 30 27 22 31 32	85 94 106 103 116 86
UCSF 1975-76 1976-77 1977-78 1978-79 1979-80 1980-81	1 0 0 1 0 0 0 0 1 0 0 0	3 7 0 4	0 0 1 0 1 1 1 0 4 2 2 0	0 0 0 0 0	11 3 12 24 11 21	4 1 2 1 2 4	5 0 5 0 11 0 11 0 10 2 7 2	61 56 49 38 46 44	2 6 5 7 7 3	83 67 80 73 74 79	6 9 8 9 15 11	89 76 88 82 89 90
TOTAL PUBLIC 1975-76 1976-77 1977-78 1978-79 1979-80 1980-81	1 0 2 3 3 0 2 0 4 0 0 1	8 6 12 4 11 1 14	0 1 2 3 1 1 4 1 .2 2 4 0	0 1 0 0 0	20 7 29 32 24 35	5 3 6 5 10	16 2 8 0 18 1 15 0 20 3 15 4	112 105 96 100 98 69	9 30 25 27 26 24	158 131 159 154 159 133	16 39 35 31 46 43	174 170 194 185 205 176
INDEPENDENT Loma Linda 1975-76 1976-77 1977-78 1978-79 1979-80 1980-81	3 0 6 0 3 1 5 1 6 2 10 1	0	1 0 0 0 1 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	· 7 5 3 6 2 8	0 1 0 1 2 1	2 2 1 0 1 0 2 0 0 0 4 0	49 50 61 51 62 64	2 3 2 8 3	61 62 69 64 70 87	5 4 4 13 5	66 66 73 68 83 92
UOP 1975-76 1976-77 1977-78 1978-79 1979-80 1980-81 USC			0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	9 15 18 18 19 18	1 2 3 3 2 4	3 0 1 0 1 0 1 0 1 0 2 0	105 103 97 103 100 100	7 11 8 8 9 10	117 123 116 122 120 121	8 14 11 11 11 14	125 137 127 133 131 135
1975-76 1976-77 1977-78 1978-79 1979-80 1980-81	4 (5 1 (8 5 5	3 7 0 0 L 5 0 0 3 0 L 4	1 0 0 4 0 0 0 2 2 1 0 0		22 15 22 12 31 26	1 0 3 1 3 2	11 0 11 0 7 6 5 2 18 4 7 0	97 93 75 76 62 72	2 5 10 8 6 6	140 127 114 96 120 114	7 5 20 11 18 9	147 132 134 107 138 123
TOTAL INDEP 1975-76 1976-77 1977-78 1978-79 1979-80 1980-81	6 13 8 6 14	3 7 1 1 2 6 1 0 5 0 2 5	2 0 0 4 1 0 0 2 3 1 0 0	0 0 0 0 0	52	2 3 6 5 7 7	16 2 13 0 9 6 8 2 19 4 13 0	251 246 233 230 224 236	11 19 20 18 23 19	318 312 299 282 310 322	20 23 35 26 42 28	338 335 334 308 352 350
GRAND TOTAL 1975-76 1976-77 1977-78 1978-79 1979-80 1980-81	15	3 15 4 7 2 18 1 4 5 11 3 19	2 1 2 7 2 1 4 3 15 3 4 0	0	42 72 68 76	7 6 14 11 12 17	32 4 21 0 27 7 23 2 39 7 28 4	363 351 329 330 322 305	20 49 45 39 49 43	476 443 458 436 469 455	36 62 70 57 88 71	512 505 528 493 557 526

Source: Analytical Studies, California Postsecondary Education Commission.

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PHARMACY

Enrollment in the four pharmacy programs in the fall of 1981 was the lowest since 1974 (Table P-1). In the University of California, Blacks represented 7.3 percent of the pharmacy enrollment in both 1976 and 1981, while Hispanics increased from 4.9 to 5.6 percent (Table P-2, p. 48). In the independent institutions, Black enrollment in pharmacy rose from 2.0 to 4.6 percent during this period, and Hispanic enrollment increased from 2.1 to 5.0 percent.

5.5

Over the last five years, output of graduates was up sharply at the University of California, San Francisco, but down slightly in the independent institutions, with the total output of pharmacists in all programs in 1981 reaching an all-time high of 443 (Table P-3, p. 48).

The number of underrepresented minorities graduating from the School of Pharmacy at the University of California, San Francisco, has gone up over the last five years, with Blacks showing the greatest increase, from zero percent of the graduating class in 1976 to 8.0 percent in 1981 (Table P-4, p. 49). Hispanics have increased from 3.3 to 5.3 percent in the graduating class during the same period. In the independent institutions, Blacks represented 1.2 percent of the graduating class in 1976 and 2.7 percent five years later, while Hispanics increased from 0.9 to 3.9 percent.

TABLE P-1 Fall Enrollment in Pharmacy, 1972-1981

Institution						\sim	、 、			
and Program	1972	1973	1974	<u> 1975</u>	1976	1977	1978	1979	1980	1981
UCSF										
Dr. of Pharmac USC	y 362	378	386	399	400	427	443	457	453	446
Dr. of Pharmac; UOP	7 461	459	532	586	607	577	586	605	608	593
Dr. of Pharmacy Bachelor	y 524 *	364 194	417 169	422 184	456 167	440	404	375	355	378
						151	157	163	142	112
TOTAL	1,347	1,395	1,335	1,591	1,630	1,595	1,590	1,600	1,558	1,529

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*UOP reported a single total for its two programs in 1972.

Source: Analytical Studies, California Postsecondary Education Commission.



Fall Enrollment in Pharmacy, by Ethnicity and Sex, 1976–1981 TABLE P-2

Institution and Year	Non Resid <u>Alie</u> M	ent	Blac Nor <u>Hispa</u> M	1-	Ameri India Alasi Nati M	in/ kan	Paci	an/ fic <u>nder</u> F	<u>Hispa</u> M	anic F	Whi No <u>Hisp</u> M	n- anic	Tot M	alF	<u>A11</u>	
UCSF (Dr. of Pha 1976 1977 1978 1979 1980 1981	rmacy) 4 6 4 1 3	46443	11 13 17 17 17 13	18 20 17 12 11 9	0 0 0 0 0	0 0 0 0 0	54 56 52 67 72 65	60 58 63 66 90 104	24 22 21 21 15 13	5 5 9 11 12	122 134 132 134 119 113	98 109 126 123 113 111	215 229 228 243 224 207	185 198 215 214 229 239	400 427 443 457 453 446	- · · ·
USC (Dr. of Phan 1976 1977 1978 1979 1980 1981	macy) 19 17 17 22 22 15	6 7 10 24 31 21	10 2 4 1 1 2	10 9 7 4 6 5	5 7 2 3 1 0	0 2 3 3 3	99 103 115 129 130 125	69 73 76 83 98 131	22 16 16 16 16 16	6 7 10 8 14 18	245 223 208 200 178 150	116 111 118 112 108 111	400 368 362 371 348 306	207 209 224 234 260 287	607 577 586 605 608 593	7 5 5 8
UOP (Dr. of Pha 1976 1977 1978 1979 1980 1981	rmacy) 31 19 21 10 8 10	15 12 8 6 12 12	1 1 0 4 4 6	1 4 3 2 8	0 2 3 2 2 2	1 0 1 0 1	96 95 75 64 50 55	23 39 48 60 57 74	16 8 6 11 15	4 5 7 6 7 4	187 166 143 133 125 104	81 92 88 81 77 87	331 291 248 219 200 192	125 149 156 156 155 186	450 440 37 35 37	0 4 5 5
UOP (Bachelor) 1976 1977 1978 1979 1980 1981	4 9 5 4 3 4	3 4 6 2 4 3	2 1 4 4	1 0 2 2 0	0 0 1 0	1 0 0 0 0	16 14 20 31 29 24	19 19 19 20 19 18	5 6 4 3	3 2 4 3 2	64 52	42 35 36 27 23 21	98 90 94 108 91 68	55 51	16 15 15 16 14 11	1 7 3 42
TOTAL 1976 1977 1978 1979 1980 1981	58 49 49 40 34 32	29 28 36 51 39	18 22 26 26	30 30 28 21 21 21) 9 5 1 6 1 3	2 2 4 3 2	291 281	206 229 264	67 52 49 47 45 43	18 20 24 27 35 36	582 545 531 474	368 343 321	1044 978 932 941 863 773	617 658 659 695	159 159 160 159	95 90 00 58
	tical			•										·		
TABLE P-		190	56-0	57	- 1	980	-01									
Institution and Program	19((56 1 57 _	967 1 - <u>68</u> _	968 -69	1969 -70	1970 -71	1971 <u>-72</u>	1972 <u>-73</u>	1973 -74	1974 -75	1975 <u>-76</u>	1976 <u>-77</u>	1977 <u>-78</u>	1978 1 -79 -	979 -80	1980 -81
UCSF Doctoral USC		62	79	71	81	86	83	78	84	84 121		91 142	88 141	97 136	96 153	113 134
Doctoral UOP Doctoral	. 1	93 3	122 2	82 1	96 22	114 30	99 36	113 91	131	152	165	137	133 46	144	128	142

Institution and Program	1966 <u>-67</u>	1967 68	1968 -69	1969 -70	1970 <u>-71</u>	1971 <u>-72</u>	1972 -73	1973 <u>-74</u>	1974 75	1975 <u>-76</u>	1976 <u>-77</u>	1977 <u>-78</u>	1978 -79		1980 <u>-81</u>	
UCSF Doctoral	62	79	71	81	86	83	78	84	84	61	91	88	97	96	113	
USC Doctoral	93	122	82	96	114	99	113	131	121	126	142	141	136	153	134	
UOP Doctoral Bachelor	3 59		-	22 78	-	36 60		130 62			137 61	133 46	144 	a	142 54	•
TOTAL	217	265	210	277	301	278	409	407	402	397	431	408	417	433	443	

Source: Wong, 1976, Analytical Studies, California Postsecondary Education Commission.

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TABLE P-4 Professional Degrees Conferred in Pharmacy, by Ethnicity and Sex, 1975-76 - 1980-81

Institution	Res	on- ident ien F	Ň	ack on- panic F	Ind Ala	rican ian/ skan tive F	Pac	ian/ ific <u>ander</u> F	<u>His</u> M	<u>panic</u> F	Ň	ite Ion- panic F	<u>To</u> M	<u>tal</u> F	<u>A11</u>	
UCSF (Dr. of Pha	rmacy	7)														
1975-76	0	0	0	0	0	Ø	8	19	2	C	29	3	39	22	61	
1976-77	1	1	0	3	0	0	17	16	3	0	29	21	50	41	91	
1977 - 78	0	3	2	3	0	0	21	15	4	0	25	15	52	36	88	
1978-79	2	0	2	5	0	0	11	13	4	0	29	31	48	49	97	
1979-80	1	1	5	2	0	. 0	10	14	10	1	27	25	53	43	96	
1980-81	1	1	3	6	0	0	14	14	4	2	37	31	59	54	113	
USC (Dr. of Phar	macy))														
1975-76	5	2	0	2	1	0	25	16	1	0	56	18	88	38	126	
1976-77	7	<u> </u>	1	4	0	0	20	13	5	1	65	25	98	44	142	
1977 - 78	8	1	1	ı.	3	0	23	15	3	0	66	20	104	37	141	
1978-79	3	4	1	4	1	0	21	14	1	1	57	29	84	52	136	
1979-80	1	0	1	1	1	0	30	26	7	2	47	37	87	66	153	
1980-81	5	2	0	. 2	0	1	30	18	5	, 1	51	19	91	43	134	
UOP (Dr. of Phar	macy))		1												
1975-76	0	0	1	0	0	0	28	13	1	0	90	32	120	45	165	1
1976-77	0	0	1	0	0	0	42	7	0	0	67	20	110	27	137	
1977-78	0	0	1	0	0	0	28	8 '	4	0	63	29	96	37	133	
1978-79	8	5	1	0	0	0	.34	14	0	0	53	29	96	48	144	
1979-80	6	1	0	1	2	0	26	14	1	0	44	33	79	49	128	
1980-81	3	4	2	2	2	0	16	19	1	3	58	32	82	60	142	
UOP (Bachelor's)																
1975-76	0	0	0	1	0	0	3	5	1	0	26	9	30	15	45 `	
1976-77	0	0	0	1	0	0	7	2	- 1	0	32	18	40	21	61	
1977 - 78	2	1	2	0	0	0	5	4	2	2	17	12	28	18	46	
1978-79	1	1	0	1	0	0	2	6	1	1	- 13	14	17	23	40	
1979-80	2	0	0	0	0	0	8	4.	1	1	28	12	39	17	56	
1980-81	0	2	3	0	0	0	9	4	2	1	23	10	37	17	54	
TOTAL															۱.	
1975-76	5	2	1	3	1	0	64	53	5.	0	201	62	277	120	397	
1976-77	8	2	2	8	0	0	86	38	9	1	193	84	298	133	431	
1977-78	10	5	6	4	3	0	77	42	13	2	171	76	280	128	408	
1978-79	14	10	4	10	1	0	68	47	6	2	152	103	245	172	417	
1979-80	10	2	6	4	3	0	74	58	19	4	146	107	258	175	. 433	
1980-81	9	9	8	10	2	1	69	55	12	7	169	92	269	174	443	

Source: Analytical Studies, California Postsecondary Education Commission.



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OPTOMETRY

Statewide enrollment in optometry has increased only slightly over 1976, but nevertheless stood at an all-time high of 670 for the fall of 1981 in the two programs in California (Table 0-1, below). The proportion of Blacks enrolled in the School of Optometry at the University of California, Berkeley, has dropped from 4.0 to 1.5 percent during the past five years, while the proportion of Hispanics has increased from 5.1 to 5.9 percent (Table 0-2). In the Southern California College of Optometry, Black enrollment was 0.5 percent of the total in 1976 and 1.8 percent in 1981, while Hispanic enrollment rose from 2.8 percent in 1976 to 5.0 percent in 1981.

In contrast to increased enrollments in optometry, the output of graduates has dipped from its all-time high in 1978-79 (Table 0-3). Output of underrepresented minorities in optometry has generally shown no growth from the low levels existing five years ago. In the University of California, Berkeley program the percentage of Blacks in the graduating class has declined from 3.3 to 1.7 percent, while that of Hispanics dropped from 3.4 to 1.7 percent. At the Southern California College of Optometry, no Blacks graduated in either year (and only two graduated over the entire six-year reporting span), and Hispanics constituted 3.2 and 3.3 percent, respectively, of the graduating classes of 1976 and 1981.

TABLE O-1 Fall Enrollment in Optometry, 1973-1981

Institution	<u> 1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	1980	<u>1981</u>
UC Berkeley	238	251	261	270	257 _.	257	262	261	271
Southern Califo	rnia								
College of Optometry	314	367	371	390	397	387	390	396	399

Source: Wong, 1976; Analytical Studies, California Postsecondary Education Commission.

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TABLE 0-2 Fall Enrollment in Optometry, by Ethnicity and Sex, 1976-1981

. . . .

					Amer	ican								,	
Institution	No Resi	dent	Bla No	n"	Indi Alas	kan	Pac	ian/ ific			N	ite on-	Ta	h - 3	A73
and Year	Ali			anic		ive	151	ander		<u>anic</u>		panic		<u>tal</u>	<u>A11</u>
	M	F	M	F	M	F	M	- F	M	F	M	F	M	. r	
UC Berkeley															•
1976	2	1	6	4	0	0	38	29	9	4	129	31	134	69	253
1977	3	0	5 3	5 3	0	0.	33	27	12	4	139	27	192	63	255
1978	0	2	3	3	0	0	37	21	11	2	147	°31	198	59	257
1979	1	2	2	5	0	0	41	22	13	2	143	31	200	62	262
1980	1	0	1	4	0	0	44	30	12	1	131	37	189	72	261
1981	0	0	0	4	1	0	45	. 34	15	1	123	48	184	87	271
Southern Califor	nia														
College of															
Optometry															
1976	0	0	1	1	1	0	32	5	11	0	313	26	358	32	390
1977	0	0	1	1 0	2	0	28	6	10	0	309	40	350	47	397
1978	1 2	0	2	0	2	0	22	11	12	1	286	50	325	62	387
1979	2	0	4	1	3	0	23	16	9	4	258	70	299	91	390
1980	1 3	1 3	3	1	2	0	25	19	11	4	238	91	280	116	396
1981	3	3	.4	3	1	0	40	22	12	8	217	86	277	122	° 399
TOTAL												•			
1976	2	1	7	5	1	0	70	34	20	4	442	57	542	101	643
1977	2	-0	6	6	2	0	61	33	22	4	448	67	542	110	652
1978	1	2	5	3	2	0	59	32	23	3	433	81	523	121	644
1979	3	2	6	6	3	0	64	38	22	6	401	101	499	153	652
1980	3 2 3	1	4	5	2	0	69	49	23	. 5	369	128	469	188	657
1981	3	3.	4	7	2	0	85	56	27	9	340	134	461	209	670

Source: Analytical Studies, California Postsecondary Education Commission.

TABLE 0-3 Professional Degrees Conferred in Optometry, by Ethnicity and Sex, 1975-76 - 1980-81

	N	0n-	81	ack		rican ian/		ian/			Wh	ite.			i
Institution and Year	Res Al	ident ien	His	on- panic	Ala Na	skan tive	Is]	ific <u>ander</u>		anic	His	on~ panic	To	tal_	<u>A11</u>
	M	F	M	F·	M	F	M	F	M	F	M	F	M	F	
UC Berkeley															
1975-76	3	1	2	0	0	0	15	6	1	0	26	6	47	13	60
1976-77	1	1	2	0	0	0	7	10	1	0	27	8	38	19	57
1977-78	1	0	1	2	0	0	7	9	1	3	31	6	41	- 20	61
1978-79	0	0	0	0	0	0	10	5	2	0	38	9	50	14	64
1979-80	0	0	1	1	0	0	10	5	2 2	1	36	6	49	13	62
1980-81	1	0.	1	0	0	0	8	5	2	0	36	6	48	11	59
Southern Californ	nia								•						
College of															
Optometry			_	_	_	_	-			-		•		,	(2)
1975-76	0	o	0	0	0	0	8 6	1	2 4 2 3	0	49	3	59	4	63
1976 - 77	0	0	0	0	0	0	6	1	4	0	67	6	77	7	34
1977 - 78	1	0	1	0	1	0	. 4	0	2	0	47	6	56	6	62
1978 - 79	1	0	0	0	0)	9	1	3	0	81	6	94	7	101
1979-80	0	0	1	0	1	0	4	2	2 3	0	74	10	82	12	94
1980-81	0	1	0	0	1	0	1	4	3	0	64	16	69	21	60
TOTAL															
1975 - 76	3	1	2	0	0	0	23	7	3	0	75	9	106	17	123
1976 - 77	1	1	2	0	0	0	13	11	3 5 3	0	94	14	115	26	141
1977-78	2	0	2	2	1	0	11	- 9		3	78	12	97	26	123
1978-79	1	0	0	0	0	0	19	6	5	0	119	15	:144	21	165
1979 - 80	0	0	2 [.]	1	1	0	14	7	4	1	110	16	131	25	156
1980-81	1	1	1	0	1	0	9	9	5	0	100	22	117	32	149

Source: Analytical Studies, California Postsecondary Education Commission, and Southern California College of Optometry.

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PODIATRY

The three years of data on podiatry provide only a limited basis for generalizing about enrollment or degree trends, let alone changes in the demographic characteristics of students and graduates. Nonetheless, Table PO-1 shows that underrepresented groups have not been drawn to this profession in large numbers. In enrollment, Blacks and Hispanics each represented only 1.0 percent of the total in 1979; by 1981 the respective proportions were 1.8 and 2.3 percent. Women constituted 14.4 percent of podiatry enrollment in 1979, and 15.1 percent two years later.

Ratios for ethnic and women graduates show no growth, with Blacks remaining at 1.1 percent of the total number of graduates over the reporting span, while Hispanics dropped from 2.1 to 1.1 percent and women declined from 9.6 to 8.4 percent (Table PO-2).

TABLE PO-1 Fall Enrollment in Podiatry, by Ethnicity and Sex, 1979-1981

California College of Podiatric Medicine	Noi Resid <u>A1</u> M		Ne	ack on- <u>panic</u> F	Indi Alas		Pac	ian/ ific ander F.	<u>H1s</u> M	<u>panic</u> F	White Non- <u>Hispani</u> M F	<u>c Tot</u> M	tal F	<u>A11</u>
1979	9	1	1	3	0	0	28	8	4	0	297 45	339	57	396
1980	10	0	1	3	0	0	26	5	6	1	301 43	344	52	416
1981	7	0	4	3	0	0	28	6	8	1	295 51	342	61	403

Source: Analytical Studies, California Postsecondary Education Commission.

TABLE PO-2 Professional Degrees Conferred in Podiatry, by Ethnicity and Sex, 1979-1981

California College of Podiatric Medicine	Nor Resi Al		Ne	ack on - <u>Danic</u> F	Ind Ala	rican ian/ skan <u>tive</u> F	Pac	ian/ ific ander F	<u>His</u> M	<u>panic</u> F	N	ite on- panic F	\ \ \ M	otal F	<u>A11</u>
1979	0	0	1	0	0	0	3	0	2	0	79	9	85	9	94
1980	0	0	0	0	0	0	3	3	1	0	66	8	70	11	91
1981 ¢	4	0	0	1	0	0	4	1	1	0	78	6	87	8	95

Source: Analytical Studies, California Postsecondary Education Commission.



OSTEOPATHY

The only program in osteopathy in California had not yet graduated its first class by the fall of 1981. Its enrollment of underrepresented groups has shown only modest change, with Blacks going from 1.1 to 1.7 percent of the total over the three years, Hispanics increasing from 1.1 to 1.3 percent, and women growing from 15.4 to 20.8 percent (Table OS-1).

TABLE OS-1 Fall Enrollment in Osteopathy, by Ethnicity and Sex, 1979-1981

College of Osteopathic Medicine of the Pacific	No Resi A1 M		N	ack on- <u>panic</u> F	Ind Alas		Pac	ian/ ific ander F	<u>His</u> M	Danic F	N	ite on- panic F	<u>To</u> M	otalF	. <u>A11</u>
1979	0	0	1	0	0	1	5	0	1	0	70	13	77	14	91
1980	0	0	2	0	0	0	12	0	0	0	113	34	127	34	161
1981	0	0	3	1	3	0	11	1	3	0	167	47	187	49	236

Source: Analytical Studies, California Postsecondary Education Commission.

ALLIED HEALTH

Tables AH-1 through AH-6 on pp. 54-73 depict trends in enrollments, degrees conferred, and program completions in the several allied health fields. In these fields, problems of data completeness and interpretation are particularly severe, leading to a need for caution in drawing extensive conclusions about trends from the tables.



TABLE AH-1 Fall Enrollment in Allied Health at Public Institutions, 1979-1981

Progr am and <u>Institution</u>	·	Res	on ide lie			ick in- <u>Janic</u> F	Ala	ian/	Asi Paci <u>Isla</u> M	fic	<u>His</u> M	<u>panic</u> F	Whi No <u>Hisp</u> M	n-	<u>Fili</u> M	<u>pino</u> F		lo lonse F	<u>Oth</u> M	er _	<u>Tota</u> M		<u>A11</u>
CLINICAL SOCIAL W California State University	ORK				1											•							
<u>Undergraduate</u> Los Angeles	1979 1980 1981) ()	0 0 0	7 9 7 8	21 19 20	1 2 1	1 1 1	`1 0 0	2 1 0	5 7 6	18 19 12	7 5 8	30 16 14	0 0 0	0 0 0		13 14 20	0 0 0	0 0 0	27 25 34	70	112 95 101
Graduate Fresno San Diego San Francisco	1979 1980 1981 1979 1989 1981) (L () () (L 1)))	0 0 1 0 0 1 0	2 0 1 2 0 0	2 1 1 3 2 6	2 3 1 0 0	0 0 0 1 0	0 1 0 0 3	1 1 0 0 0	3 4 0 1 1 2 0	3 4 2 1 2 2 1	16 9 5 7 7 11 5	13 14 6 32 36 38 25	0 0 0 0 0 0	0 0 0 0 0 1	10 5 2 4 5 1 4	2 2 4 6 3 0 15	0 1 0 0 0 0	0 0 1 1 1	33 23 10 14 15 15 12	21 22 15 41 46 44 49	54 45 25 55 61 59 61
	1980 1981) ()))	0	0	2 3	0 0	1 1	0	0 4	0 2	0 0	1 9	14 33	0 0	1	10 6	17 5	0 0	0	11 17	35 46	46 63
DENTAL HYGIENE University of California															•								
<u>Undergraduate</u> San Francisco	197 198 198	0	0 0 0	0 0 0	0 0 0	1 1 0	0 0 1	0 0 0	0 0 0	14 16 15	1 0 0	3 3 2	0 0 0	23 23 24	0 0 0	2 0 0	0 0 0	0 0 0	0 1 1	1 1 2	1 1 2	49 44 43	50 45 45
MEDICAL LABORATO TECHNOLOGY California Stat University					•								•				-	·					
<u>Undergraduate</u> Bakersfield	197 198 198	0 N 1	R 0	0 NR 0	0 NR 0	0 NR 0	0 NR 0	0 NR 1	0 NR 0 0	0 NR 0 0	0 NR 0 1	1 NR 1 0	2 NR 0 13	4 NR 0 21	1 NR 0 0	0 NR 0 0	0 NR 0 1	0 NR 0 8	0 NR 0 0	0 NR 1 0	4 NR 0 17	5 NR 3 32	3
Chico	197 ⊥98 198 197	0	1 2 0 1	2 0 0 3	1 0 0 9	0 1 1 10	0 0 0	0 0 0 1	0 1 5	0 0 14	2 2 3	0 1 3	10 9 10	13 17 21	0 . 0 . 8	0 0 18	2 0	3 0 2	0 0 0	1 1 0	16 12 37	18 20 72	32 109
Dominguez Hills Los Angeles	198 198 198	0 1	224	1 0 7	5 5 4	11 17 8	0 0 0	2 3 0	2 3 18	10 10 27	2 2 5	1 6 11	14	13 16 16 14	6 8 3 7	16 16 17 20	9 0 9 6	21 3 17 6	0 1 0 0	0 0 0 1	33 32 57 57		103 160
Sacramento	197 198	11 19	3 1	8 18 1 2 NR	1 2 2 1 NR	9 6 2 3 NR	0 0 0 NR	1 0 1 1 NR	16 9 2 3 NR	35 21 6 4 NR	6 9 1 2 NR	7 10 1 1 NR	12 7 20 17 NR	14 37 30 NR	9 1 1 NR	15 1 1 NR	9 21 22 NR	21 31 23 NR	0 2 1 NR	2 1 2 NR	53 52 48 NR	107 81 67 NR	160 133 115 NR
San Francisco San Jose	- 197 198 198 198	79. 30 31	6 6 3 2	8 10 13 3 1	3 3 3 3 4	12 10 15 3 2	0 0 0 1 2	1 0 1 0 0	22 13 13 · 3 6	45 36 44 16 15	1 2 5 0 1	7 8 1 1	17 15 18 7 7	45 .36 51 36 31	16 11 11 2 2	26 24 28 4 7	14 26 10 12 7		2 1 2 1 0 0	4 4 4 5 4 1	77	198 187 93	266 275 252 126 111 88
<u>Graduate</u> Dominguez Hills San Francisco	198 197 198 198 198	31 79 30 31 79	1 	2 - 0 4 3 2	2 - 0 0 0 0 0	0 2 1	2 - 0 0 0 0 0	1 - 0 3 1 0	5 - 0 3 2 4	12 0 1 15 12 17	1 0 0 1 1 1	- 0 2 2	9 0 18 15 22	0 40 23	4 - 0 1 0 3	6 - 0 1 0 2	5 - 0 9 11 2	0 0 18 34	-00000	1	0 0 34 31	1 2 8 7	 L 1 2 2 5 120 7 108

(continued)



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TABLE AH-1 (Continued)

Program and <u>Institution</u>			dent	N	ack on- panic F	In	rican dian/ aska tive F	Pac	ific	<u>His</u> M	panic F	N	ite Ion- panic F	Fili M	pino F		No Ponse F	<u>Ot</u> M	ier F		al F	<u>A11</u>	
OCCUPATIONAL THE California Stat University																							
<u>Undergraduate</u> San Jose	1979 1980 1981	0	1 0 0	0 1 4	5 11 13	0 0 1	3 5 6	0 2 3	20 17 44	0 1 3	5 6 11		99 119 169	1 2 1	1 1´` 1	5 3 . 5	56 46 32	0 0	8 5 3	12	198 210 279	222	
<u>Graduate</u> San Jose	1979 1980 1981	0	0 0 0	0 0 0	1 1 1 1	Q 0 0	0 0 1	0 1 1	2 4 4	0 0 0	1 0 1	0 1 2	12 29 42	0 0	0 0 0	0 1 0	13 9 6	0 0 0	0 0 0	0 3 3	29 55 55	29 58 58	
PHYSICAL THERAPY University of California	.																						
<u>Undergraduate</u> San Francisco	1979 1980 1981	0	1 0 0	0 0 0	0 0 0	0 0 0	1 1 0	1 0 2	2 2 0	0 0 0	0 0 2	6 4 7	27 12 28	0 0 0	2 0 0	0 0 0	0 0 0	0 0 0	0 1 0	7 4 9	33 16 30	40 20 39	
California Stat University	ē						a											*-*	C. 17 April	r:maj 1940)	b r	Ø	
<u>Undergraduate</u> Fresno	1979 1980 1981	1	0 1 0	0 0 3	5 9 6	2 2 1	3 2 2	3 3 1	8 10 9	7 5 4	10 12 14	39	160 163 181	0 0 1	0 0 0	15 14 7	16 8 26	0 2 2	2 3 2	66	204 208 240	274	
Long Beach	1979 1980 1981	0	000	11 7 4	37 32 26	1 1 6	3 3 10	6 6 8	30 31 46	15 11 10	19 31 30	41 47	205 210 254	1 2 1	6 5 11		155 86 39	5 6 5	12 8	120 111	467 406 429	587 521	
Northridge	1979 1980 1981	0	0 0 0	7	20 6 1 1	000	0 0 2	5 1 3	15 1 3	5 0 2	8 1 2	29 7 12	86 15 34	2 0 0	3 0 0	9 2 4	26 5 5	2 0 1	3 1 1	- N	147 24 48	206	
PUBLIC HEALTH University of California												.•											
<u>Undergraduate</u> Los Angeles	1979 1980 1981	0	1 2 2	1 1 1	3 0 1	0 0 0	• 0 0 0	_0 2 2	.4 3 3	0 0 4	3 1 3	6 4 5	18 26 19	1 0 0	1 1 1	1 2 2	0 1 0	0 0 0	1 1 0	9 9 14	31 35 29	40 (44 (43	
<u>Graduate/Profe</u> Berkeley		<u>al</u> 16	13 7	4	10 16	12 13	12 11	8 9	12 14	7 10	10 9		118 142	0	1	4 2	8 5	0 1			186 206	300 342	
Los Angeles	1981 1979 1980 1981) 11) 14) 14	6 24 17 10	14 6 6	14 13 14 10	10 0 0 1	13 4 3 1	12 8 19 15	13 19 18 22	8 14 8 6	14 15 8 11	66 95 107	152 179 186 194	0 0 0 0	2 2 2 0	1 18 30 26	6 38 61 70	0 0 0 1	' i 1 1	122 155 184	221 295 315	343 450 499 480	, /
California State University	2																						
<u>Undergraduate</u> Fresno	1979 1980 1981) ()	1 0 1	0 0 0	0 1 1	0 0 0	0	0 0 2	1 1 0	0 0 2	1 0 2	5 6 4	4 4 8	0 1 0	0 0 0	1 1 0	0 0 1	000	0 0 1	6 8 8	7 6 14	14	•.
Los Angeles	1979 1980 1981) 1	2 1 v 1	0 1 3	1 0 1	0 0 0	0 0 0	34	3	4 2 1	1 2 2	4 0 0	0 0 2	0 0 1	0 0	3 1 6	0 0 1	0 0 0	0 0 0	15 8 18	7 4 8	22 12 26	
Northridge	1979 1980 1981) 1) 2	0 3 2	3 3 6	8 13 15	2 1 0	3 2. 3	9 4 5	4 9 12	6 4 7	7 3 5	40 34 55	74 68	1 1 1	1 0 3	17 15 16	7 10 25	2 1 0	6 5 5	81 65 93	110 113 186	191 178 279	5
San Diego	1979 1980 1981) ()) ()	000	0 0 0	0 0 0	0 0 0	1 0 0	2 1 0	0 - 0	2 1 0	1 0 1	5 5 3	1 6 6	0 0 0	0 1 0	0 \ 0 0	3 2 1	0 0 0	0 0. 0	9 7 4	6 9 8	15 16	

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(continued)

TABLE AH-1 (Continued)

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Program and Institution	•	Res	lon ide 11ie		Blac Nor <u>Hisp</u> a M	ck n /	Ameri Indi Ala: <u>Nat</u> M	ian/ ska	Asia Pacif <u>Islan</u> M		<u>Hisp</u> M	<u>anic</u> F	Whi No <u>Hisp</u> M	0-	<u>Filir</u> M	<u>pino</u> F	Rest M	lo <u>sonse</u> F	171	Γ	<u>Tota</u> M	F	<u>11</u>
San Jose	1979 1980 1981) ()))	0 0 0	0 0 0	0 0 1	0 0 0	0 0 0	0 0 0	1 1 2	1 0 0	0 0 1	5 3 0	2 2 3	0 0 0	0 0 0	5 2 2	1 0 1	Ō	0 0 0	11 5 3	3	15 8 11
<u>Graduate</u> Fresno	1979 1980 1981) () (0 1 1	1 0 0	0 0 0	0 0 0	0 1 1	0 0 0	0 0 0	0 0 0	0	1 0 0	1 0 3	0 1 1	0	0	0 0 0	1 0 2	0	0 0 0	1 2 6 2	3. 2 [\] 1 5	4 4 7 7
Long Beach	1979 1980 198	9 0 1	0 0 0	0 0 0	0 0 0	0 0 3	0	0 0 1	0 0	0 0 0	1 1 0 3	0 0 0 3	1 1 1 34	2 7 3 60	0 0 0	1 1 0 0	0 1 13	2 0 17	0	0 0 3	2 2 57	10 7 91 1	12 9 48
Northridge .	197 198 198	0 1	1 2 2	1 2 3	1 2 1	1 3 1	1 · 0 3	0 0 0	4 4 2 1	6 4 7 1	3 3 2 0	3 6 0	41 27 2	74 69 17	0 0 1	0 1 0 ³	11 9 3	19 13 14	4 2 0	3 1 0		L08 1 L01 1 -34	L49 42
San Jose	197 198 198	0	0 1 1	1 0 1	0 1 0	1 1 1	1 0 0	0	1 0	1 2	0	1 5/	2 3	23 28	0 · 0	0	7 6	22 15	1 0	0 0	13 10	48 52.	61 62
RADIOLOGIC TECHN University of California	OLOG	Y				• •																	
<u>Graduate</u> Irvine	197 198 198	10	0 - , 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 / 0 / 0	0 0 0	0 0 0	3 4 4	0 0 0	0 0 0	0 0 0	0 2 3	0 1 1	0 0 0	0 0 0	3 6 7	0 1 1	3 7 8
California State University	2													•									
<u>Undergraduate</u> Northridge	197 198 198	80	0 0 0	0 1 4	0 0 0	1 1 0	0 0 0	.0 0 1	0 2 3	0 0 1	0 1 2	0 0 0	5 4 7	11 5 10	1 1 1	0 0 0	3 3 0		0 0 0	1 2 2	9 11 13	14 10 20	23 21 33
<u>Graduate</u> San Diego	19 19 19	80	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 1 1	0 0 0	2 2 1	2 3 5	0 0 0	0 0 0	1 0 1	0	1 0 1	1 0 0	4 3 4	3 3 5	7 6 9
SPEECH PATHOLOG AND AUDIOLOGY California Sta University						•							•	-	·								
<u>Undergraduate</u> Chico	19 19	79 80 81	0 0 0	0 0 0	0	5 1 1	0 0 0	1 1 2	0 0 0	3 2 1	0 0 0	. 3 2 2	4 2	101	0	0 0 0	2 1 0	L 19) 3	1 0 0	3 3 2	5 5	143 127 112 166	132 117
Fresno	19 19 19	79 80 81	0 0 0	1	1	4 3 0	0	1	0 0 0	5 13 13	. 1	20	16 11 12	126 116	0 0 0 0	1 2 3 0]	2 14 L 15 2 14 4 32	1 0	4 9 5 0	14 17	183 174 134	197 191
Fullerton	19 19	79 80	0	·· 0	0 0	4 8	0	1	1 1 0	4 10 10	0		7	7 129 7 130	0	0		1 20 0 21	0	0	9 8	181 194	190 202
Hayward	19	981 979 980 981	0 0 0 0			22 17	0 0 0 0	-	0 0	0 1 4	0 0 0	4 5 2		2 54 4 50 5 50	0 0 0	011	:	1 8 2 10 0 4	0	1 2 4 4	; 7 ; 6	87 82	94 88.
Humboldt	19 19	979 980 981	0000	0 1 1) 0 L 1 L 1	1 0 0	0 0 0	1 2 2	0	3 4 0	0			5 52 3 62 5 49 1 104	- 0	0		0 10 0 11 0 4 7 75	. 0 0	- 5 - 1 - 3	, 4 . 6	86 58	90
Long Beach	19	979 980 981]		20 27	0 0 0	1	1	8 10		11 16	1	1 104 6 124 4 10 <i>4</i> 7 40	0	1		5 44 3 16 2 17	0 0	4	15 5 11 0 18	5 214 1 183 3 109	229 194 127
Los Angeles	1	979 980 981			0 5 1 3 0 5	3 16	0 0 0	1	. 0	7	1			6 46 4 28	O	· · 0		3 10 8 14) 0) 1	8 79	5 109 9 97

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TABLE AH-1 (Continued)

Program and Institution		No Resi Al M	dent	No	ack on- <u>panic</u> F	Ind Ala	ican lian/ iska ive F	Pact	ian/ ific ander F	<u>His</u> M	<u>panic</u> F	White Non- <u>Hispanic</u> M F	<u>Fil</u> M	<u>ipino</u> F		No ponse F	<u>Oth</u> M	er F	<u>Tota</u> M	31 F	<u>A11</u>	
Northridge	1979 1980 1981) ()	0 0 0	0 0 0	10 1 6	1 0 1	3 3 3	0 0 0	8 9 5	0 1 1	11 10 8	8 115 7 108 5 114	0 0~ 0	0	2 3 1	22 29 22	1 0 0	6 5 3			176	
Sacramento	1979 1980 1981) ()) ()	0 0 0	0 0 0	9 9 *7	0	0 2 3	1 0 0	5 9 5	1 1 0	3 2 5	7 77 7 79 8 63	0 0	1 1 1	6 7 4	55 51 31	0 0 0	2 1 0	15 I 15 I	152 154	167	
San Diego	1979 1980 1981) ()	0 0 1	1 1 1	10 11 6	0 0 3	6 2 ·4	1 1 1	7 5 4	1 4 4	14 16 17	19 114 13 162 15 155	0 0 0	3 2 2	2 5 0	54 13 1	0 0	17 2 1	24 2 24 1	213 191	251 237 215	
San Francisco	1979 1980 1981) () L ()	0 0 1	1 1 2	1	0 0	1 1 0	0 0 1	3 5 7	0 0 0	1 0 2	0 45 2 29 3 37	0 0 0	0	221	12 28 17	0 0 0	1 2 2	- 3 5 7	64 67 70	67 72 77	
San Jose Stanislaus	1979 1980 1981 1979) () L ()	0 1 0 0	1 1 1 0	7 8 12 0	0 0 0	2. 2 3 1	1 0 1 0	8 6 5 0	0 0 1 0	6 7 8 3	4 57 3 63 3 .71 2 10	0 0 0 0	0 0 1 0	7 4 0 2	52 [;] 45 27 15	2 2 0 0	4 2 1 2	10 1		131 144 134 35	
Graduate	1980) ()	0	0 0	2	0	0	0	1 2	1 1	4 3	3 27 3 30	0	0	1 0	4	0 1	2	5 5	40 37	45 42	
Chico	1979 1980 1981) () L ()	0 0 0	0 0 0	0 0 0	0 0 0	0 0 1	0 0 0	0 1 2	0 0 0	0 1 1	5 28 1 27 2 37	0 0 0	0 0 0	6 2 0	7 10 5	0 0	1 1 0	11 3 2	36 40 46	47 43 48	
Fresno Fullerton	1979 1980 1981 1979) 1 L 0	0 0 0 0	0 0 0	1 2 1 1	0 0 0 0	1 0 1 0	0 0 0 0	1 3 2 2	0 0 1 1	2 4 0 4	3 30 8 32 6 25 4 65	0 0 0 0	0 0 0 0	2 2 3 0	34 41 44 8	0 0 0	2 1 2 0	5 11 10 5	71 83 75 80	76 94 85 85	
Hayward	1980 1981 1981) () L ()	0	00	0	0 1 -	1 2	0	2	22	1 3	2 68 6 64	0	0	1 1 -	9 12	0	00	5 10	81 82	86 92	
Humboldt	1980 1981 1979) - L 0	- 0 0	- 0 0	- 1 0	- 0 0	- 0 0	- 0 0	 1 0	- 0 0	- · 1 0	0 4 1 15	- 0 0	- 0	0	- 1 3	- 0 0	- 0 2	- 0 1	- 8 20	- 8 21	
Long Beach	1980 1981 1979	L 0 9 0	0 0 1	0 0 0	0 0 4	0 0 0	0 0 1	0 0 0	1 2 4	0 0 1	0 0 1	3 16 1 28 7 77	0 0 0	0 0	1 1 3	2 5 31	1 1 0	0 0 1	5 3 11 1			
Los Angeles	1980 1981 1979 1980	L 0 9 1	1 1 0 1	0 0 1 1	2 2 16 8	1 0 0	1 4 0 1	0 0 1 1	3 1 10 7	0 0 0 1	1 3 13 11	6 70 7 83 14 79 6 79	0 1 0 0	2 0 0 0	2 2 3 3	27 16・ 23 10	0 0 0	0 2 0 0	10 1 20 1	112	161	
Northridge	1981 1979 1980	L 0 9 0 0 0	1 1 1	1 0 0	12 1 0	0 0 1	1 0 0	0 0 0	6. 5 5	0 0 0	7 0 1	8 61 3 120 3 105	0 0 0	0 2 0	6 2 3	15 22 16	0 0 0	0 7 2	15 1 5 1 7 1	103 158 130	118 163 137	
Sacramento	1981 1979 1980 1981) ()) ()	0 0 0 0	0 0 0	0 2 1 1	1 0 0 0	1 0 0 1	0 0 0 0	7 2 1 0	1 0 0 0	2 0 0 1	4 105 1 36 1 32 1 35	0 0 0 0	0 0 0 30	1 4 4 0	16 17 19 24	0 0 0. 0	3 1 1 1	5 5	134 58 54 63	141 63 59 64	
San Diego	1979 1980 1981) 0 0	0 2 2	0	0 0 1	0 0 0	1 2 3	0 0 0	3 2 2	1 0 0	0 2 1	11 95 18 115 14 128	0 0 0	0 1 1	1 1 0	24 10 6		12 4 1	14 1 19 1 14 1	135 138	149 157	
San Francisco	1979 1980 1981	90 00 10	1	0 0 0	1 0 2	0 0 0	1 0 . 0	0 0 0	0 1 2	0 0 0	1 0 0	8 49 6 34 6 56	0 0 0	0 0 . 0	1 3 2	4 3 3 2	0 0 0	0 1 1	9 9 8	57 70 63	66 79 71	
San Jose	1979 1980 1981	0 (1 0	1 1 3	0 0 0	0 0 3	0 0 0	0 0 2	0 0 0	1 3 2	0 0 0	0 2 2	.4 15 2 17 2 26	0 0 0	0 0 1	2 1 4	13 29 29	0 0 0	2 0 1	3 6	32 52 69	39 55 75 29	
Stanislaus	1979 1980 1981) ()	0 0 0	0 0 0	1 1 0	0 0 0	1 1 0	0 0 0	0 0 0	0 0 0	0 1 2	1 15 1 22 1 17	0 0 0	- 0 0	1 0 0	8 1 1	0 0 0	0 0 1	4 1 1	25 26 21	29 27 22	

Note: Dashes indicate program not in existence. "NR" indicates no response from institution.

Source: Analytical Studies, California Postsecondary Education Commission.

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TABLE AH-2 Degrees Conferred in Allied Health by Public Institutions, 1978-79 - 1980-81

In	Program, Istitution, and	Year	Res	ion ident lien F	. No	ack on- <u>panic</u> F	Ala	ian/ ska	Asi Pac <u>Isla</u> M	ific	Hisp M	<u>anic</u> F	Whi No <u>Hisp</u> M	n-	Fili M	<u>pino</u> F		o onse F	<u>Oth</u> M	er F	<u>Tota</u> M	<u>1]</u> F	<u> 111</u>	
Ċ	INICAL SOCIAL V California State Iniversity			•		ب																		
	<u>B.S. Degree</u> Los Angeles	1978-79 1979-80 1980 -8 1) ()	000	1 3 2	6 9 4	1 0 1	0 1 0	0 0 0	0 1 1.	0 1 2	5 2 6	0 1 2	13 14 7	0 0 0	0 0. 0	0 1 1	2 1 2	0 0 ,0	0 0 0	2 6 8	26 28 20	28 34 28	
	<u>M.S.W. Degree</u> Fresno	1978-79 1979-80 1980-81) 0	0 0 0	1 <u>,0</u> 0	0 0 1	9 0 1	0 0 0	0 0 2	0 0 1	0 1 1	0 0 1	10 8 5	5 4 6	0 0 0	0 0 0	2 1 2 1	3 1 0	0	0 0	13 10 12 17	8 5 9 25	21 15 21 42	• •
	San Diego San Francisco	1978-79 1979-80 1980-81 1978-79	0 (1 \ 0	0 0 0	0 0 0	1 1 1 1	0 1 1 0	0 0 0 0	0 0 0	3 0 0 3	1 3 0 0	0 1 0 0	15 4 5 8	20 18 16 8	0 0 0	0 0 0	2 0 0	0 2	0 1 0 0	3 0 0	11 6 8	2 6 17 14	37 23 22	
		1979-80 1980-ა]		0 0	0	3 2	0 0	0	3 0	0 0	0	1 0	5 2	1.6 13	0 0	0 1	1 0	1 0	0 1	0	9 3	21 16	30 19	9
t	ENTAL HYGIENE University of California																,				• •			•
	<u>B.S. Degree</u> San Francisco	1978-7 1979-8 1980-8	0 0	0	0 0 0	. 0 0 0	0 0 0	0 0	0 0 0	5 7 8	0 1 0	0 2 - 1	0 0 0	18 15 12	1 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 1	1 1 0	23 24 22	24 25 22	
Π	EDICAL LABORATO ECHNOLOGY California Stat University			4								·	ť					1						
	<u>B.S. Degree</u> Dominguez Hills	1978-7 1979-8			1 0	1 0	0	0	0 1	2 4	0	0 1	0 3	1	0 2	3 1	2 3	0 1	1	0	4 10	7 13	11 23	
	Los Angeles	1980-8 1978-7 1979-8 1980-8	9 3 0 0	0	0 3	0 0 3 2	0 0 0	0 0 0	0 5 2 2	0 10 6' 12	1 2 1 1	0 3 3 1 1	2 2 2 4	1 14 5	0 1 0 0	1 2 2 2	1 0 0	030	0000	0 0 0	5 14 31 9	2 32 37 24	7 46 68 33	
	San Francisco	1978-7 1979-8 1980-8	9 3 0 1	3 3	3	1 0 0	0 0 0	0 0 0		/17 /13 10	0 0 0	1. 0 0	10 7 6	19 14 14	4 4 3	'5 4 6	1 2 1	2 2 3	2 2 0	1 0 3	30 31 16	49 37 41	79. 68 57	
•	<u>M.S. Degree</u> Dominguez Hills	1978-7 1979-8			` 0 0	0 0	0 0	0	, 0 0	0 0	0	0 0	0 0	0 2	, , 0	0	48 39	64 57	0	0	48 39	59	112 98	
	San Francisco	1980-8 1978-7 1979-8 1980-8	1 (9 (10 () ()) ()	0	0 0 0 1	0 0 0	0 0 0	0 3 1 1	1 2 1 0	0 0 0	0 0 0 0	1 1 2 1	1 3 4 3	0 0 0 0	0 0 0 0	33 0 0 1	43 1 0 1	0 0 0	0. 0 0 0	35 4 3 3	. 44 6 5 5	79 10 8 8	

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ERIC Full Text Provided by ERIC -58-

TABLE AH-2 (Continued)

Program, Institution, an	d Year	Res	Non ident lien F	No <u>Hisp</u>	ack on- oanic F	In Al	erican dian/ aska <u>tive</u> F	Pa	ian/ cific <u>ander</u> F	His M	<u>panic</u> F	1	nite Non- spanic F	Fil M	<u>ipino</u> F	Res M	No Dons F	e <u>Ot</u> 7 M	<u>:her</u> • F	To M	tal F	, <u>A11</u>
OCCUPATIONAL TH California Stat University														·								
<u>B.S. Degree</u> San Jose	1978-79 1979-80 1980-81	0	0 0 4	0 0 0	1 0 0	000	0 0 1	0 0 0	5 8 2	0 0 1	2 0 1	3 1 0	40 34 23	1 0 1	0 0 1,	1 1 1	19 17 11	0 0 0	4 3 2	6 2 3	71 62 45	77 64 48
<u>M.S. Degree</u> San Jose	1978-79 1979-80 1980-81	0	1 2 0	0 0 4	0 0 0	0 0 0	* 0 0 0	0 0 0	0 0 0	0 0 0	0 1 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	- 0 0 0	0000	1 3 0	1 3 0
																			•			
PHYSICAL THERAPY University of California							·															
<u>B.S. Degree</u> San Francisco	1978-79 1979-80 1980-81	Ō	0 1 0	0 0 ·	0 0	0 0 0	0 0 1	1 1 0	2 2 2	0 0 0	0 0	444	23 23 10	0 0	0 2 0	0	0	0	1 0	55	26 28	31 33
California State Universit		U	Ū	U	U	U	1	`. `.	2	Ū.	U	4	10	U	U.	0	0	0	0	4	13	17
<u>B.S. Degree</u> Fresno	1978-79 1979-80 1980-81	0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 2	0 0 1	0 0 2	1 8 10	0 20 18	0 0 0	0 0 0	9 0 0	13 0 0	0 0 0	0 0 0	10 8 11	13 20	23 28
Long Beach	1978-79 1979-80 1980-81	0 0	0 0 0	0 0 0	0 1 3	0 0 0	0 0 1	1 1 0	3 2 4	0 1 1	1	13 10 7	33 31 33	0	0 0 1	1 2 1	7 3 2	1 0 1	1 0 1	16 14 10	45 37 47	33 61 51 57
	•.					č .									•-a							
PUBLIC HEALTH University of California						-							× .*					-				
<u>B.S. Degree</u> Los Angeles	1978-79 1979-80 1980-81	0	0 1 0	0 0 1	1 3 0	0 0 0	0 0 0	0 0 0	1 1 4	0 0 0	0 2 1	3 3 3	16 11 14	0 0 0	0 0 1	0 1 0	0 0 0	1 0 1	1 0 2	4 4 5	16 18 22	20 22 27
<u>M.P.H. Degree</u> Berkeley	1978-79 1979-80 1980-81	13 8			11	5	7 10 5	4 9 8	4 6 8	5 0 3	2 5		67 75 87	0 0	1 2 0	1 2 0	3 1 2	3 2 3	2 0	92 87	97 117 132	189 204
Los Angeles	1978-79 1979-80 1980-81	5	5 8 5	4 3 2	2 6 6	1 1 0	5 2 0 2	8 5 2 8	8 8 7 8	3 3 4 2	3 6	49 43	96 79 68	0 0 0	3 1 1	4 5 2	2 1	0 0	5 0	71 63	126 108 - 1 120	197 171
California State University	•					×										1						
<u>B.S. Degree</u> Los Angeles	1978-79 1979-80 1980-81	1	1 2 2	0	1	0 0 0	0	1 0 3	1 3 0	4 1 1	0 0 0	5 1 4	1 0 1	0 0 0	0 0. 0	0 1 0	0 1 1	0 0 1	0	12 4 10	4 7 5	16 11 15

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TABLE AH-2 (Continued)

Program, Institution, and	Year	_	Non side Alie	nt	Blac Nor Hispa M	ck n-	Ind Ala	ican ian/ ska ive F	Asi Pac <u>Isla</u> M	ifin	<u>Hispa</u> M	<u>anic</u> F	Whi No <u>Hisp</u> M	n	<u>Fili</u> M	<u>pino</u> F	Resp M	ló ponse F	<u>Oth</u>	F -	<u>Tota</u> M	1_4 F	<u>411</u>
San Diego	1978-79 1979-80 1980-81) (0 · 0	0 0 0	0 0 0	0 0 0	0 1 0	0 0 1	0 0' 0	0 0 0	0 0 0	3 4 3	1 0 2	0 0 0	0 0 0	0 0 1	0 0 0.	0 0 0	0 0 0	3 4 5	1 1 2	4 5 7
<u>M.P.H. Degree</u> Northridge	1978-79 1979-80 1980-81) () (L (0	0	0 0	0 0 0	0 0 0	0 0 0	0 0	0 0 0	0	0 0 0	0 0 3 1	7 7 8 12	0 0 0	0 0 0	0000	2 2 3 9	0 0 0	1 1 0 0	1 0 3 3	10 9 11 27	11 9 14 30
San Joše	1978-79 1979-8(1980-8))	1	5 4 2	0 0 1	0 1 0	0 1 0	0 0 0	0 0 1	1 1 0	1 0 0	0	4	5 12	1 0	0	1 5	5 10	0	0		16 25	24 34
RADIOLOGIC TECHN University of California	OLOGY																						
M.S. Degree Irvine	1978-7 1979-8 1980-8	0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	2 0 1	0 0 0	0 0 0	0 0 0	1 1 0	0 0 0	0 0 0	0 0 0	3 1 1	0 0	3 1 1
California Stat University	e							•							•								
<u>M.S. Degree</u> San Diego	1978-7 1979-8 1980-8	0	0 0 0	.0 1 0	0 0 0	0 0 0	0 0 0	0 0 0	0 1 0	0 - 0 0	0 0 0	0 0 0	5 2 1	1 0 2	1 0 1	0 0 0	1 0 0	0 1 0	0 0 0	0 0 1	7 3 2	1 2 3	8 5 5
SPEECH PATHOLOGY AND AUDIOLOGY California Stat University								- - 			,			•									
<u>B.S. Degree</u> Chico	1978-7 1979-8 1980-8	80 81	0000	0000	1 0 0	0 2 0	0 	0 0 0	1 0 0 0	0 0 2 3	0 0 0	0 1 0 5	0 2 0 4	15 20 19 40	0 0. 0	0 0 0	0 0 0	7 5 9 3	0 0 0	0 1 2 1	2 2 0 4	22 29 32 53	24 31 32 57
Fresno Fullerton	1978-7 1979-8 1980-8 1978-7 1978-7	80 81 79 80	0 0 -	0 0 1 -	0 0 -	1 0 4 -	0 0 - -	0 0 -	0 0 -	1 1 -	1 0 -	3 2 -	6 2 - -	56 41 -	0 0 -	0 1	1 0 -	3 23 - - 6	0	1 2 - 0	8 2 - - 6	64 75 - 40	72 77 - 46
Hayward	1980-8 1978-1 1979-8	79 30	0 0 0	0 0 0	0 0 1	0 2 7	0 0 0	0 0	1 0 0	1 3 0	0 0	3 0 0	4 1 2	30 17 11	0 0 0	0 1 0 0	1 0 0 1	0 0 0	0 0 0	0 0 0	1 3 1	23 18 13	24 21 14
, Humboldt	1980-8 1978- 1979-8	79 80	0	0 2 1	0	0 0 1	0000	0 0 0 0	0000	0 0 1 1	0 0 0	0 0 0 1	0 3 0 1	13 22 9 24	0 0 0 0	000	1 0 0	1 1 3	000	3 1 2	4 0 1	28 14 31	32 14
Long Beach	1980- 1978- 1979-	79: 80-	0000	0 0 1 1	0 0 0 1	0 1 0 1	0 0 0 0	0000	000	232	000	0	1 0	40 25 32	0 0 0	0 0	2 3 1	7 16	0 0 0	0 0 0	3 3 7	50 46 45	53 49 52
Los Angeles	1980- 1978- 1979- 1980-	79 i 80	0 0 0 0	000	000	3 4 3	0000	0000	0000	2 2 2	0 0 0	4 3 4	2 3 2	15 12 9	0 0 0	0 0 0	1 1 1	1 0 0	0 0 1	0 0 0	3 4 4	25 21 18	25 22
Northridge	1980- 1978- 1979- 1980-	79 80	000	000	000	000	0 1 0	0 0 1	0000	0 0 4	0 0 0	2 0 1	1 2 3	23 16 20	0 0 0	0 0 0	0	2 7	0 0 1	0 0 1	1 3 4	31 18 34	21 38
Sacragento	1980- 1978- 1979- 1980-	79 8j	0	000	0 0 0	0 1 0	0000	0 0 0	1 0 0	0 2	1 0 1	0 0 0	0 1 0	13 17	0 0 0	0 0 0	2 1 0	8	0 0 0	1 0 0	4 2 1	17 28 28	30

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ERIC Full East Provided by ERIC

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TABLE AH-2 (Continued)

Program, Institution, and		Resi	lon dent ien F	No	ack on- oanic F	Iño Ala	rican dian/ aska tive F	Pac	an/ ific Inder F	<u>His</u> M	<u>anic</u> F	N	ite on - panic F	<u>Fili</u> M	pino F		No <u>ponse</u> F	<u>Oth</u> M	<u>er</u>	<u>Tota</u> M	<u>al</u> F	<u>A11</u>
San Diego	1978-79 1979-80	0	0 0 0	0 1 0	1 0 5	0 0 0	0 0 0	0 0 0	1 2 2	0 0 0	2 1 8	8 8 4	53 52 47	0 0.	0 1 2	0	0 1 6	0 0 0	0 0 5	8 9 4	57 56 75	65 65 79
San Francisco	1980-81 1978-79 1978-80 1980-81	0	0	0 0 0	5 1 0 0	0 0 0	0	1 0 0	2 0 0 1	0	0 1 0	1 0 0	12 17 16	0	0	0 0 0	2 1 0	0 0 0	0 0 1	2 0 0	15 19 18	17 19 18
San Jose	1978-79 1979-80 1980-81	0	0 3 2	0	1 1 1	0 0 0	0 0 2	0 1 0	3 2 2	0 0 0	1 0 1	0 1 4	15 13 21	0 0 0	1 0. 0	0 0 3	9 10 18	0 0 2	1 0 1	0 4 9	31 29 48	31 33 57
<u>M.S. Degree</u> Chico	1978-79 1979-80	0	0	0	0	0	0	0	0	0	0	0 4	11 11	0	0	3 0	2 3	0	0 0	3 4	13 14	16 18
Fresno	1980-81 1978-79 1979-80	0	0	0 0 0	0 0 1	0 0 0	0 0 0	0 0 0	0 3 1	0	0 1 0	1 2 0	16 23 14	0	0 0 0	1 2 1	2 11 9	0 0 0	1 1 1	2 4 1	19 39 26	21 43 27
Humboldt	1980-81 1978-79	0	0 6 2	0 0 0	0	0 0 0	0	0 0 0	0	0 0 0	0	1 0 0	8 0 2	0	0 0 0	1 0 0	8 0 0	0 0 0	0 0 1	2 1 0	16 6 5	18 7 5
Long Beach	1979-80 1980-81 1978-79	1	4 3	0	0	0	0	0	0	0	0	1 1 1	2 22 23	0	0	0	1 7 7	0	0	2 1 1	7 32 31	9 33 32
Los Angeles	1979-80 1980-81 1978-79	0	0 0 0	0 0 1	0 1 0	0 0 0	0	0	3	0 1	0 1	026	21 18 16	0	0	0 2 0	13 2 2	0	0 0 0	0 6 6	38 26 24	38 32 30
Northridge	1979-80 1980-81 1978-79	L 0	0 0 0	0 0 0	2 2 1	0 0 0	0 0 2	0 0 . 0	3 1 1	0 0 0	1 3 1	4 2	28 26	0	0 1	0	4 12	0	1 0	• 4	39 44	43 46
Sacramento	1979-80 1980-8 1978-79	L O	0 1 0	0 () ()	0 0 0	1 0 0	0 0 0	0 / 0	1 4 1	0 0 0	0 0 11	1 2 0	40 37 0	0 0 0	1 0 0	0 1 0	8 11 0	0 0 0	3 2 0	2 3 0	53 55 12	55 58 12
San Diego	1979-80 1980-83 1978-79	L 0	· 0 0·	0	0 0 0	0 0 0	0 0 0	0 0 0	1 2 0	0 0 0	1 0 0	0 4 4	12 20 12	0 0 0	0 0 0	0 0 0	1 1 5	0 0 0	0 0 1	0 4 4	15 23 18	15 27 22
San Francisco	1979-8 1980-8 1978-7) 0 L 0	0 0 0	0 0 0	0 0 0	0 0 0	0 1 0	0 0 0	1 0 1	0 0 0	0 1 1	2 0 0	7 19 17	0 0 0	2 1 0	1 0 0	10 3 1	0 1 0	1 2 0	3 1 0	21 27 20	24 28 20
	1973-8 1980-8) 1 1 0	0 1 0	0	0 1 0	0	0	0	0	0	0 0 1	1 2 1	19 21 11	0	0 0 0	0 1 0	3 2 4	0 0 0	0 0 0	2 3 1	22 25 16	24 28 17
Stanislaus	197879 1979-8 1980-8	-	0	0 0	0	0 0	0.	0	0	0	0	1 1 1	6 3	0	0	1 0	5 1	0 0	3 0	2 1	14 4	16 5

Note: Dashes indicate program not in existence. .

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Source: Analytical Studies, California Postsecondary Education Commission.



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TABLE AH-3 Degrees Conferred in Independent Institution Allied Health Programs, by Sex, 1978-79 - 1980-81

Program, Institution, and Year	Bache Degr M	lor's ees F	Master <u>Degree</u> M		Doctoral Degrees M F				
	1.1	•		•					
DENTAL HYGIENE									
Loma Linda						_			
1978-79	0	35	-	-	•	-			
197 9- 80	1	34	-	-	-	-			
1980-81	0	34	-	-	-				
		'							
	~~ v								
MEDICAL LABORATORY TECHNOLO California Lutheran	GI								
	. 0	2	-	-	-	-			
1978-79 1979-80	2	2	-	-	-	-			
1979-80 1980-81	ō	2	-	-	-	-			
-	v	-							
Holy Names 1978-79	0	3	-	-	-	-			
1978-79	2	3	-	-	-	-			
1980-81	ō	ō	-	-	-	-			
Loma Linda	-	•							
1978-79	12	11	-	-		-			
1979-80	11	10	-	-	-	-			
1980-81	10	11	1	0	-	-			
Pacific Union									
1978-79	6	7	-	-	-	-			
1979-80	7	1	-	-	-	-			
1980-81	5	2	-	-	-	•			
÷									
OCCUPATIONAL THERAPY									
Loma Linda	1	19	-	-	-	-			
1978-79	7	22	-	-	-	-			
1979-80	4	19	-	-	-	-			
1980-81	-	17							
USC 1978-79	1	23	0	12	-	-			
1979-80	2	16	2	7	-	-			
1980-81	ō	17	2	17	-	-			
PHYSICAL THERAPY									
Loma Linda									
1978-79	19	35		-	-	-			
1979-80	0	0	-	-	-	-			
1980-81	27	29	-	-	-	-			
Stanford									
1978-79	-	•	7	22	-	-			
1979-80	-	-	10	17	-	-			
1980-81	-	-	5	22	•	-			
USC									
1978-79	0	4	12	26	-	-			
1979-80	0	4	17	38	-	-			
1980-81	0	6	7	34	-				

(continued)



Program, Institution, an	ld_Year		elor's Trees F	Mast <u>Degr</u> M	er's <u>ees</u> F	Doct <u>Degr</u> M	
PUBLIC HEALTH Loma Linda 1978-79 1979-80 1980-81		2 [*] 5 1	5 15 6	31 82 52	28 15 43	10 12 5	2 3 0
		•		:			
SPEECH PATHOLOGY AND AUDIOLOGY	•						ŧ
Chapman		-	•	~	-,		-
1978-79		0	8	0	7	•	-
1979-80		0	8 5		v 8 8	-	-
1980-81	•	0	5	0	8	-	-
Loma Linda		•	<i>c</i>	0	7		-
1978-79		0	- 6	-	10	-	-
1979-80	κ.	2 0	6 8	0	2	-	-
1980-81		0	8	U	4	-	-
Pacific Union		•	8	_	_	-	_
1978-79		0	8 7	-	-	-	_
1979-80		0	4	-	-	-	-
1980-81		U		7	-		
University of	Laverne	0	4	0	3	-	-
1978-79		0	6	ŏ	0	-	-
1979-80 1980-81		ŏ	2	ŏ	ŏ	-	-
UOP		v	4	Ŭ	v		
1978-79		2	4	1	17	-	-
1979-80		ō	15	ō	14	-	-
1979-80		1	12	1	15	-	-
Stanford		•	**	•	~~		
1978-79		-	-	-	-	0	0
1979-80		-	-	-	-	3	2
1980-81		-	-	-	-	2	ō
1900-01						-	_

Note: Hyphen indicates no program at this level.

Source: Analytical Studies, California Postsecondary Education Commission.

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TABLE AH-4 Completions in Allied Health Programs at Community Colleges, 1978-79 - 1980-81

_		4							0		_	
Program and <u>Institution</u>	197	<u>As</u> 8-79	<u>socia</u> 197	<u>te Dec</u> 9-80	iree 1980	-81	1978	-79	<u>lerti</u> 1979	<u>ficat</u> -80	e 1980	-81
	M	F	M	F	M	F	M	F	M	F	M	F
HEALTH SERVICES ASSISTANT TECHNOLOGIES											•	
GENERAL (5201)	,								•			
American River	0	2	0	0	0	0	C	0	0	0	0	0
Antelope Valley	0 3	1 10	0 6	1 14	0	0 10	0	0	0	0	0 0	0 0
Bakersfield Butte	1	ľ.	1	3	1	3	ŏ	ŏ	ŏ	ŏ	ŏ	. 0
Cabrillo	ō	ō	ī	ĩ	ō	õ	0	0	0	0	0	0
Compton	2	1	1	2	2	0	0	• 0	0	0	0	0
Crafton Hills	1	14 0	6 0	21 4	6 0	21 0	0	0'	0	0	0	0 0
Cuesta East Los Angeles	ŏ	1	0	ō	Ö	Ő	69	17	76	19	ŏ	õ
Gavilan	ō	ō	Ō	1	Ō	0	7	0	0	0	0	0.
Los Angeles City	39	121	6	2	0	0	0	0	0	0	0	0
Los Angeles Pierce	3	8 7	0 2	0 6	0	0	0	0	0	0	0 0	0
Los Angeles Southwes Los Angeles Valley	30	170	0	Ő	Ö	0	0	Ő	ŏ	ŏ	ŏ	ŏ
Mendocino	0	1	Ō	ō	ō	Ō	Ō	0	Ō	0	0	0
Monterey Peninsula	2	0	0	0	0	0	0	0	0	0	0	0
Orange Coast	2 6	3 16	· 0 7	0 19	0 3	0 14	0 16	0 6	0 33	0 6	0	0
Pasadena Porterville	0	10	í	19	0	1	10	ŏ	0	ŏ	ŏ	ŏ
. Sacramento City	ō	ĩ	Ō	3	Ō	4	0	0	0	0	0	0
Saddleback	0	0	0	1	0	4	0	0	0	0	0	0
San Bernardino	0	1	0 14	0 10	0 13	0 18	0 0	0	0 1	0.	0 26	0 36
San Joaquin Delta San Jose City	0 O	0	14	3	13	2.	0	3	ō	Ő	0	0
Santa Monica	Ō	ō	5	3	2	3	Ō	Õ	Ō	Ō	0	0
Santa Rosa	0	1	0	1	1	1	0	0.	0	Ö	0	0
Shasta	0	0	0 4	0 10	0	0	0 0	8 0	0	0 15	0 2	0 22
Southwestern West Los Angeles	0	0	ů,	10	0	0 ·	0	Ö	0	0	0	0
Yuba	0	0	11	24	6	_4		_0	0	_0	0	0
TOTAL	101	359	65	131	35	85	92	31	110	40	28	58
DENTAL ASSISTANT												
TECHNOLOGIES (5202)												
Alameda	0	2	0	5	0	3	0	8	0	2	1	3
Allan Hancock	0	11	0	8	0	7	0	0	0	0	0	0 0
Bakersfield Cabrillo	0	4	0	4	0	0 4	· 0	16 9	0	17 18	0	5
Cerritos	ŏ	11	ŏ	6	ŏ	ī	Ō	13	ō	13	ō	2
Chabot	0	15	1	20	0	11	0	0	0	0	0	0
Chaffey	0	26	0	13	. 0	15	0	0	0	0	0	0 26
Citrus Contra Costa ,	0	24 2	0	15 0	0	0 1	0	0 11	0	23 1	0	18.
Cypress	ŏ	11	Ő	9	ŏ	ŝ	ŏ	Ō	ŏ	ō	ō	0
Diablo Valley	0	14	0	0	0	0	0	2	0	8	0	11
East Los Angeles	0	1	0	0	0	0	0	0	0	0	0	0
El Camino Foothill	0	1 5	0	0 5	0	0 8	0	0 18	0	0 17	0	0 17
Grossmont	1	8	Ő	5	Ő	9	ŏ	0	ŏ	-4	ŏ	ī
Kings River (Reedley	·) 0	18	0	23	0	15	0	0	0	C	0	0
Long Beach City	0	5	0	3	0	0	0	0	0	0	0 0	0
Los Angeles City	0	0 11	0	13 5	0	8 13	0	0	0	0	0	17 Q
Marin Merced	0	3	0	6	0	5	ŏ	15	č	20	ŏ	15
Modesto	ō	11	0	16	0	13	0	0	0	0	0	0

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Program and Institution	<u>197</u> M	<u>A:</u> 8-79 F	<u>ssocia</u> <u>197</u> M	<u>te Deg</u> 9-80 F	<u>1981</u> M	<u>0-81</u> F	<u>197</u> M	<u>8-79</u> F		<u>ifica</u> 9-80 F		<u>0-81</u> F
Monterey Peninsula Orange Coast Palomar Pasadena Redwoods Rio Hondo Sacramento City San Diego Mesa San Francisco City San Jose City San Mateo Santa Barbara Santa Rosa West Los Angeles Yuba TOTAL	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 4 0 8 22 21 7 17 7 6 1 13 0 4 308	0 0 0 1 0 0 0 0 1 0 0 1 1 5	4 1 0 2 16 5 5 12 17 0 3 19 5 21 1 271		3 4 0 1 8 15 2 16 17 0 3 1 4 0 2 197	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 13 13 0 0 12 0 1 0 0 1 0 0 0 0 131	00000000000000000000000000000000000000	16 9 4 0 0 16 14 16 27 0 0 0 0 0 225	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1	20 20 4 0 3 9 0 41 26 13 0 0 0 251
DENTAL HYGIENE TECHNOLOGIES (5203) Bakersfield Cabrillo Cerritos Chabot Cypress Diablo Valley East Los Angeles Foothill Fresno City Long Beach City Orange Coast Pasadena Riverside Sacramento City San Bernardino West Los Angeles TOTAL	00000200010 <u>0</u> 3	1 13 18 17 3 4 1 9 20 1 1 9 0 14 0 14 145	0 0 2 1 0 0 0 1 - 0 0 0 0 0 0 0 4	2 21 24 16 14 0 17 1 1 16 4 16 1 16 1 154	0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 2	0 14 17 11 0 22 17 0 0 10 0 10 0 10 92		0 19 0 0 15 0 0 0 0 0 0 0 0 0 0 0 34	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 40 0 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 1 0 0 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
DENTAL LABORATORY TECHNOLOGIES (5204) Cypress Diablo Valley Los Angeles City Merced Monterey Peninsula Orange Coast Pasadena Riverside San Francisco City Santa Ana TOTAL	0 6 0 3 1 0 6 0 19	0 1 0 0 4 6 0 5 2 18	0 0 20 9 0 4 2 1 8 1 45	1 0 3 2 0 2 3 1 7 0 19	0 0 19 0 3 1 0 5 0 28	1 2 0 3 1 0 4 0 11	0 3 0 0 10 5 0 0 18	0 1 0 0 3 0 3 0 2 7	0 6 0 11 0 8 0 5 4 0 34	0 7 0 4 0 3 0 2 2 0 18	0 8 6 0 5 0 7 0 0 26	0 6 0 0 5 0 10 0 0 21

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Program and Institution	<u>1978-</u> M		<u>ociate</u> 1979- M	- <u>Degr</u> -80 F	ee <u>1980-</u> M	- <u>81</u> F	<u>1978</u> M		<u>Certi</u> 1979 M	fic <u>ate</u> -80 F	<u>1980-</u> M	<u>81</u>
MEDICAL OR BIOLOGICAL LABORATORY ASSISTANT TECHNOLOGIES (5205) Bakersfield Cabrillo Compton Cypress Desert De Anza East Los Angeles El Camino Fullerton Los Angeles City Los Angeles Pierce Los Angeles Valley Orange Coast Palomar San Diego Mesa Santa Ana Santa Barbara City Santa Rosa Shasta Siskiyous Yuba	0002009004010000005	2 1 0 0 C 6 2 6 2 0 0 0 3 0 4 2 0 0 0 1	0 3 1 0 0 0 8 1 4 0 0 0 2 0 0 0 0 0 0 0 0	0 0 1 0 0 7 0 1 0 2 1 1 2 2 1 1 2 1 1 0 1 0 1 0 1 0 1 0 0 7 0 1 0 0 2 1 1 0 0 2 1 1 0 0 2 1 0 0 2 1 0 0 2 1 0 0 2 1 0 0 2 1 1 0 0 2 1 0 0 1 0 1 0 1 0 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	0 2 1 0 0 0 5 1 1 0 0 0 1 8 0 0 0 1	0 1 2 0 0 0 6 1 1 0 0 0 5 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0		0 0 0 17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
TOTAL	21	39	19	45 ·	20	19	2	35	3	43	9	15
RADIOLOGIC (X-RAY) TECHNOLOGIES (5207) Antelope Valley Bakersfield Cabrillo Canada Chaffey Compton Cypress El Camino Foothill Fresno Long Besch City Los Angeles City Merced Merritt Mount San Antonio Orange Coast Pasadena Riverside San Diego Mesa San Francisco City San Joaquin Delta Santa Barbara Yuba	1 0 5 10 0 6 8 5 7 9 0 4 12 8 6 4 0 4 12 8 6 4 0 1 1 3 12 119	3 0 7 6 1 18 12 25 7 18 0 10 19 12 19 10 1 13 10 6 14 6 217	1 5 1 21 0 11 5 7 4 11 10 2 0 0 3 7 2 2 4 133	2 10 0 14 10 3 11 7 16 9 16 14 9 25 6 6 4 0 2 20 4 14 17 219	0 2 0 19 0 6 3 5 7 0 13 2 10 13 8 1 0 9 5 1 4 1 10 9 5 1 10 13 10 13 10 10 10 10 10 10 10 10 10 10	4 2 4 9 0 15 6 21 10 0 13 8 20 13 16 3 0 11 12 5 10 0 14 200	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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Full Rext Provided by ERIC

Program and Institution	<u>197</u> M	As 8-79 F	<u>isocia</u> <u>197</u>	<u>te De</u> 9-80 F		<u>0-81</u> F	<u>197</u> M	<u>5-79</u> F		<u>ificat</u> 9-80 F		<u>0-81</u> F
OCCUPATIONAL THERAPY TECHNOLOGIES (5210) Cabrillo Cerritos Desert Crafton Hills Long Beach City Los Angeles City Los Angeles Valley Pasadena Shasta	0 11 0 2 0 0 0 0 0 0	0 0 2 1 1 0 3 0	1 8 4 0 0 4 12 0 0	2 3 4 0 2 7 6 2 1	0 2 0 0 3 0 0 0	0 0 0 6 0 3 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 2 0 0 0 0
TOTAL	13	7	29	27	5	8	0	0	C	0	0	2
					-							
SURGICAL TECHNOLOGIES (5211) Cerritos Golden West Los Angeles Trade-Tec	-	5 3 <u>0</u>	0 0 <u>0</u>	0 0 <u>0</u>	0 0 0	0 0 <u>0</u>	0 1 <u>6</u>	0 3 0	0 0 0	004	0 0 5	0 0 <u>14</u>
TOTAL	1	8	0	- 0	0	0	7	3	0	4	5	14
OPTICAL TECHNOLOGIES (INCLUDING OCULAR CARE OPHTHALMIC, AND OPTOMETRIC) (5212) Canada Citrus Crafton Hills Los Angeles City Pasadena San Diego City Santa Monica Santa Rosa	5 3 0 3 1 0 0	6 1 1 0 1 6 0	10 1 16 0 1 1 1	8° 0140610	7 0 3 12 0 0 0 0 0	90330100	0 3 0 0 0 0 0 0 0	0 1 0 0 0 0 0	0 3 0 0 0 0 0 0	0 2 0 0 2 0 0 2 0 0	0 0 12 0 0 0	0 0 2 0 1 0 0
TOTAL	15	15	30	20	22	16	3	1	3	4	12	3
MEDICAL RECORD TECHNOLOGIES (5213) Chabot Cypress East Los Angeles Fresno Mount San Antonio Orange Coast San Diego Mesa San Francisco City West Valley TOTAL	0 1 0 0 0 0 1 0 2	19 6 17 0 0 13 17 -0 -72	0 0 1 0 0 0 1 0 2	13 12 10 2 0 14 15 <u>9</u> 75	0 2 0 0 0 0 1 1 0 4	11 18 11 0 0 13 12 10 75	0 0 0 0 0 0 0 0 0 0 0 0	0 0 21 0 0 0 0 0 0 21	0 0 1 0 0 0 0 0 0 0 0	0 0 7 0 1 5 0 0 0 0 13	0 0 1 0 0 0 0 0 0 0 1	0 0 15 0 4 11 1 0 0 31

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				Degre				(Certif	icate		
Program and Institution	1978-7	<u>Assoc</u> 9 1	979-	80	<u> 1980-</u>		<u>1978</u>	-79	<u>1979-</u> M	80 F	1980-0 M	<u>18</u>
matrication	M	F	M	F	M	F.	M	F	E.	F	E1	'
MEDICAL ASSISTANT AND MEDICAL OFFICE ASSISTANT TECHNOLOGIES (5214) Alameda Allan Hancock Bakersfield Butte Cabrillo Cerritos Chabot Citrus Contra Costa Cosumes River Cypress De Anza Desert East Los Angeles El Camoo Fresno City Imperial Valley Indian Valley Long Beach City Los Angeles Harbor Los Angeles Valley Marin Modesto Monterey Peninsula Ohlone Orange Coast Palomar Pasadena Redwoods Rio Hondo Riverside Saddleback San Bernardino San Diego Mesa Santa Francisco City San Mateo Santa Ana Santa Barbara Santa Rosa Shasta Ventura West Hills West Valley TOTAL		79100036356001550929809077473456106220050416 1258	000000200000100000000000000000000000000	8 11 3 1 5 5 1 6 11 3 0 0 0 2 6 1 11 3 0 0 12 3 5 6 0 3 2 9 6 1 1 12 3 5 0 1 2 9 5 0 1 5 1 8 1 5 1 6 1 1 0 0 0 0 2 6 1 1 1 5 5 1 6 1 1 0 1 5 5 1 6 1 1 0 0 0 0 2 6 1 1 1 3 0 0 0 1 2 9 6 1 1 1 1 5 5 1 2 6 1 1 1 5 5 1 2 6 1 1 1 5 5 1 2 6 1 1 1 3 0 0 0 2 6 1 1 1 3 5 6 0 3 2 9 6 1 1 1 1 2 9 5 0 1 5 1 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 2 9 5 0 1 1 1 2 9 5 0 1 1 1 2 9 5 0 1 1 1 2 9 5 0 1 1 1 2 9 5 0 1 1 1 2 9 5 0 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 2 9 5 0 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 1 1 2 9 5 0 1 1 1 1 1 2 9 5 0 1 1 1 1 2 9 5 0 1 1 1 1 1 2 9 5 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	000000010000100000000000000000000000000	$\begin{array}{c} 5\\ 12\\ 7\\ 0\\ 3\\ 14\\ 0\\ 0\\ 6\\ 3\\ 19\\ 0\\ 0\\ 7\\ 12\\ 0\\ 1\\ 0\\ 0\\ 0\\ 7\\ 8\\ 5\\ 7\\ 0\\ 2\\ 2\\ 1\\ 3\\ 0\\ 12\\ 1\\ 3\\ 0\\ 12\\ 7\\ 0\\ 0\\ 6\\ 180 \end{array}$	000000100000000000000000000000000000000	0 0	000010020000000000000000000000000000000	3 0 33 0 5 0 8 13 0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0	000001000000000000000000000000000000000	3 0 13 1 2 0 0 8 0 0 0 2 0 0 0 0 3 0 2 0 0 0 1 3 0 0 0 0 8 3 0 6 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
INHALATION THERAPY TECHNOLOGIES (5215) American River	3	10 [.] 18	4	12 16	5	11 12	0		. 0		0 0	0 0
Butte	14	10	0	10						1		
										(CC	ntin	ued)



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Institution 1978-79 1978-80 1980-81 1978-79 1979-80 1978-79 1979-80 1980-81 Compton 0 4 2 0<	Program and		As	socia	te Deg	aree		۴.		Cert	ificat	e .		
Compton 0 4 4 2 0 </th <th></th> <th></th> <th>8-79</th> <th><u>197</u></th> <th>9-80</th> <th>1980</th> <th></th> <th></th> <th></th> <th>197</th> <th><u>9-80</u></th> <th>1980</th> <th></th> <th></th>			8 - 79	<u>197</u>	9-80	1980				197	<u>9-80</u>	1980		
East Los Angeles 9 8 6 7 5 4 3 1 6 8 11 9 Foothill 4 9 6 9 6 14 0	•	M	F	M	Ę	M	F	M	r	(**	r	• m	r	
PSYCHIATRIC TECHNOLOGIES (INCLUDING MENTAL HEALTH AIDE) (5216) So that is a state of the state			-			-	_	_	_	_		-	-	
Fresson 7 11 8 12 7 7 0	- ,	-	-	-			-	-	-		-		-	
Displace		•	-	8	12	-	7	-	ō	Ō	. O	-	-	
PSYCHIATRIC TECHNOLOGIES (INCLUDING MENTAL HEALTH ALDE) (5216) 12 0 0 0 13 10 0 0 0 PSYCHIATRIC TECHNOLOGIES (INCLUDING MENTAL 0 1 0 <td< th=""><th></th><th></th><th>-</th><th></th><th></th><th></th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th>_</th><th>-</th><th></th></td<>			-				-	-	-	-	-	_	-	
Nount San Antonio 14 9 7 12 6 13 6 6 0 1 0 0 Napa 6 8 3 11 5 10 0					•	_	-	-	-	-	-	-	-	
Orange Coast 10 3 7 14 4 9 2 2 3 2 5 6 Rio Hondo 5 6 6 2 3 2 0 </th <th>Mount San Antonio</th> <th></th> <th>-</th> <th></th> <th></th> <th>-</th> <th></th> <th>-</th> <th>-</th> <th>-</th> <th>_</th> <th>-</th> <th>-</th> <th></th>	Mount San Antonio		-			-		-	-	-	_	-	-	
Rick Bondo 12 3 2 0 <th< th=""><th></th><th></th><th></th><th>-</th><th></th><th></th><th>_</th><th>-</th><th>-</th><th>_</th><th>-</th><th>-</th><th></th><th></th></th<>				-			_	-	-	_	-	-		
San Bernardino 2 3 2 2 0			-	•		-	-	-		-		Ō	0	-
Santa Monica 3 9 6 2 4 5 6 12 0 0 0 0 Santa Rosa 5 3 2 2 2 0 1 0 10 10 10 10 10 10 0 0 0 11 14 0 0 8 10 Ventura 0 1 3 10 0 2 2 2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 2 0<		_	-		-	-	-	-	-	-		-	-	
Santa Rosa 5 3 2 2 2 0 1 0 10 8 0 0 Skyline 7 11 0 0 0 0 11 14 0 0 8 10 Vectura 0 1 3 10 2 2 0 1 0						-		-	-	-	-	-	-	
Ventura 0 1 3 10 0 2 2 2 0 1 0 0 Victor Valley 6 2 2 4 2 3 0 2 0 1 0 <th>Santa Rosa</th> <th>5</th> <th>-</th> <th></th> <th></th> <th></th> <th>_</th> <th></th> <th>_</th> <th></th> <th>-</th> <th>-</th> <th>-</th> <th></th>	Santa Rosa	5	-				_		_		-	-	-	
Victor Valley 6 2 2 4 2 3 0 2 0 <				_	-	-	_			_	-	-		
TOTAL 113 158 86 134 64 100 44 49 19 20 24 25 PSYCHIATRIC TECHNOLOGIES (INCLUDING MENTAL HEALTH AIDE) (5216)	-	-				-				-	_			•
PSYCHIATRIC TECHNOLOGIES (INCLUDING MENTAL HEALTH AIDE) (5216) Bakersfield 6 12 0 1 0 </th <th>· · · · ·</th> <th></th> <th></th> <th>-</th> <th></th> <th></th> <th>100</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>25</th> <th></th>	· · · · ·			-			100						25	
(INCLUDING MENTAL HEALTH AIDE) (5216) Bakersfield 6 12 0 1 0 0 0 0 0 0 Cerritos 0<	TOTAL	113	128	80	134	04	100	44	49	19	20	24	45	
Los Angeles Valley 0 0 3 2 4 9 5 6 0 0 0 0 Mission 7 9 2 10 2 11 1 2 13 28 3 26 Mount San Antonio 1 11 4 11 3 10 0	(INCLUDING MENTAL HEALTH AIDE) (5216) Bakersfield Cerritos Crafton Hills Cuesta Cypress East Los Angeles	6 0 2 0 3 1	0 2 6 0 33	0 0 0 0 7	0 0 4 0 26	0 0 0 0 0 7	0 0 5 0 21	7 0 0 1 2	5 0 0 2 3	0 0 0 0 1	0 0 0 0 3		0 0 0 0	•
TOTAL 47 121 35 103 35 112 64 100 60 140 16 59	Los Angeles Valley Mission Mount San Antonio Napa Orange Coast Porterville Rio Hondo Sacramento City San Bernardino San Joaquin Delta Santa Rosa Ventura	0 7 1 5 1 4 2 1 0 6 1 0	0 9 11 5 0 2 5 0 27 5 2	3 2 4 0 0 3 0 0 10 0 10	2 10 11 12 0 4 3 0 1 29 0 0 0	4 2 3 7 0 3 0 0 6 2 1	9 11 10 17 0 3 1 0 0 24 2 6	5 1 0 28 0 0 0 0 0 15 0	6 2 0 37 0 0 0 37 0 37 0	0 13 0 0 21 0 0 0 1 24 0	0 28 0 0 45 0 0 0 1 63 0	0 3 0 0 11 0 0 0 0 0 0 0 0	0 26 0 0 31 0 0 0 0 0 0	
	TOTAL	47	121	35	103	35	112	64	100	60	140	16	59	
ELECTRO DIAGNOSTIC TECHNOLOGIES (INCLUDING EKG, EEG, ETC.) (5217) East Los Angeles 0 0 0 1 0 0 0 0 0 1 1 Los Angeles Valley 0 0 0 0 0 0 0 0 5 0 0 0 Orange Coast . 4 4 2 4 2 2 2 2 8 4 13 9 10	TECHNOLOGIES (INCLUDIN EKG, EEG, ETC.) (5217) East Los Angeles Los Angeles Valley) 0 0	0	0	0	0	0	0	0	5	0	0	1 0	
TOTAL 4 4 2 5 2 2 8 9 13 10 11	TOTAL	4	4	2	5	2	2	2		<u>`</u> 9	13	10	11	
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ERIC Full Text Provided by ERIC

Program and	· .	Ass	ociate	Degr	ee				<u>Certif</u>				
Institution	<u>1978-</u>	• <u>79</u>	<u>1979-</u> M	- <u>80</u> - F	<u>1980-</u> M	<u>81</u> F	<u>1978-</u> M	- <u>79</u> F	<u>1979-</u> M	- <u>80</u> F	<u>1980-</u> M	F	
INSTITUTIONAL MANAGEMENT TECHNOLOGIES (5218) Bakersfield Cerritos Foothill Fresno Los Angeles Valley Mission Orange Coast Pasadena San Bernardino San Diego City San Diego Evening	M 1 2 0 0 2 .0 2 0 4 11	F 0 1 0 1 0 2 1 0 1 1 7	M 0 2 0 0 0 3, 0 0 2 7	F 0 1 0 0 0 2 1 0 0 1 5	M 0 0 0 0 0 0 0 1 0 0 1		M 0 1 0 2 1 0 0 1 5	r 0 1 0 0 2 8 3 0 0 0 14	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 6 0 4 0 0 2 12		., 000000000000000000000000000000000000	•
TOTÁL			,	-	-	-	-	_	-				
PHYSICAL THERAPY TECHNOLOGIES (5219) Bakersfield Cerritos Compton Cypresa De Anza Imperial Valley Long Beach City Los Angeles City Los Angeles Pierce Los Angeles Southwest Modesto Monterey Peninsula Orange Coast Pasadena San Bernardino San Diego City San Diego Mesa Yuba	0 0 1 5 1 0 1 0	0 12 0 2 30 3 2 0 0 0 1 1 2 6 6 1 9 0	1 0 0 10 0 1 0 0 5 0 1 1 0 0 5 0 1 1 0 0 5 0 1 2 3	0 10 0 20 3 1 2 12 2 0 0 2 6 3 0 12 12 2 0 12 12 12 12 12 12 12 12 12 12	0100500040003205 <u>1</u> 21	2 7 0 18 0 0 15 0 1 0 1 3 1 0 13 0 60						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
TOTAL	27	75	- 2,3	/4	2 k	00	J	-	-	,			
↓ 							1				a		•
OTHER, EMERGENCY MEDICAL CARE (5299) Butte Canyons Crafton Hills Imperial Valley Lassen Santa Ana Skyline Southwestern TOTAL	0 5 0 11 0 <u>0</u> 16	1 0 0 0 1 1 3	1 0 10 5 0 0 0 0 16	1 0 2 1 0 0 0 0 4	1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	$ \begin{array}{c} 10 \\ 36 \\ 0 \\ 11 \\ 26 \\ -1 \\ 103 \\ \underline{1} \\ 188 \end{array} $	2 42 0 4 27 0 25 0 100	14 11 7 51 0 0 83	4 11 0 4 33 0 0 1 53	1 31 0 0 0 0 0 0 32	1 22 0 0 0 0 0 23	, , ,
		7					7	•		-			

Source: Analytical Studies, California Postsecondary Education Commission.

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TABLE AH-5 Completions in Licensed Vocational Nursing Programs at Community Colleges, 1978-79 - 1980-81

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							/
		Associate Deg	iree /			Cértificate	• /
Institution	1978-79	1979-80	1980-/8	n .'	1978-79	1979-80	1980~8/
	MF	MF	M. /	Ē	MF	MF	M 7F
		•		• •			
Allan Hancock	016	0 1	0 .	7.	0. 0	0 0	0./0
American River	04	0 0	0	0	0 0	0 0	0/0
Antelope Valley	0 4	<u>°1 18</u>	0	4	0 0	0 0	0' 0
Bakersfield	0 11	1 6	0	6	6 40	1 53	1 46
Barstow	0 0	0 23	0	0	0 17	0 0	1 16
Butte	0 10	0 14		9 /	0 22	0 24	0 35
Cabrillo Canada	3 1	1 11 -	_	1	4 28	3 23	0 0 -
Cerritos	0 2 1 17	0 0 0 13	-	0 2	0 0	0 0	0 0
Canyons	0 7	0 13	0	0	029 00	1 14 0 0 /	0 5 0 0
Cerro Coso	0 13	0 13	-	0	0 0	0 0	0 0
Chaffey	0 0	0 0		0	00 06	0 2	0 2
Citrus	0 6	0 3	-	0	1. 44	1 33	2 24
Columbia	_61 ⁰	.1 6	-	õ	0° 0	1 32	0 0
Compten	0 2	0 1	-	õ	0 0	0 0	0 3
Contra Costa	0 6	ō ō l	-	õ	<u>,</u> 09	0 13	õ õ
Cypress	0 3	1 3	-	5	ō	0 0	ō ō
De Anza /	0 0	0 0		0	1 10	1 1	ōō
Desert 1	10,	ຸ ວັ ວົ	0	0.	3 27	0 0	0 0
El Camino	0 17	06`	<u>)</u> 0	0	0 0	0 0	0 0
Fresno	1 12	2. 11	01	6.	0 13	2 25	0 25
Gavilan	0 0	03		1	0 16	0 0	0 0
Glendale	0 5	<u>.</u> 0 О		4	4 49	1 2	27
Golden West	0 6	3 22	-	0	0 0	0 0	0 0
Hartnell	0 0 #1 6	َن و		0	0 0	0 4	0 0
Imperial Valley		1 9		3	0 9	0 0	0 1
Laney Lassen	·1 5	3 15 0 1		5	·1 28 2 14	8 26 0 14	5 21 0 12
Long Beach City	2 40	1 28	-	5. 0	,2 14 0 0	0 14	
Los Angeles Harbor	0° 28	0 47	2 1		0 0	0 0	0 0 0 0
Los Angeles Mission	0 (- 1			ó	0 0	0 0	0 0
Los Angeles Trade-Tech	2 12	0 11	· 0 1	-	4 62	4 27	5 40
Los Angeles Valley	2 26	5 45	0 8		0 0	0 0	0 0
Los Medanos	· ō _ ō	0 · 0		o ·	1 32	0 1	1 25
Marín	1 7	0 1	0	ด้	0 0	0 0	0 .0
Merced	07	0 14	0	9	1 23	2 49	0 23
Mira Costa	0 0	<u>ð</u> o		0	1 23	2 : 23	1 33
Mission	07	1 1 11	0 1		1 40	1 36	2 21
Modesto	09	05	0 1		1 27	1 36	0 70
Monterey	0 0	0 3		0	0 0	0 0	0 0
Mount San Antonio	0 32	2 38	1.4		0 0	0 0	0 0
Mount San Jacinto	0 0	0 0		0	1 30	. 0 23	2 21
Napa Palomar	1 5 0 0	03 957		2.	0 0	0 [,] 0 0 0	0 0
·			_	0			0 0
Pasadena Porterville	0 11 0 0	1 8 0 0'		3 2	3 41 0 0	4 36 1 24	8 67 2 23
Redwoode	0.2	2 5	õ	1	0 0	0 0	2 23 0 0
Riadondo	1 2	0,5.		2	0 0	0 0	0 0
Riverside	0 2	0 8	•	8	3 25	4 28	0 0
Sacramento City	0 19	0 9	1 1		5 53 .	2 50	2 27
Saddleback	0, 12	Ö Ő A		0	õ õ	0 0	ōŌ
San Bernardino	0 1	0 3		4	0 0	0 0 .	0 0
San Diego City	4 19	<u>,</u> 5 25	4 1		3 38	12 81	9 81
San Diego Mesa	2 14	7 16			3 28	0 0	0 0
San Joaquin Delta	0 40	0 32	4 49	9.	0 0	0 12	0 0

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		Ac	sociat	te Dec	ree		•			ficate		
Institution	197	3-79		-80	1980	5-81	197	78-79	1979	9-80		<u>)-81</u>
Institution	M	F	M	F	M	F	M	F	M	F	M	F
San Mateo	0	4	0	10	0	۰ 4	0	0	0	0	0	0
Santa Ana	2	10	0	5	0	6	8	46	2	34	1	72
Santa Barbara	ō	4	Ō	9	1	8	0	0	0	0	2	13
Santa Monica	1	5	õ	3	0	2	1	24	2	19	0	17
Santa Rosa	ō	ō	ō	ō	0	0	2	26	1	31	0	0
Sequoias	ŏ	ī	1.	10	0	2	3	20	0	0	0	0
Shasta	ŏ	2	ō	0	Ō	0	0	. 9	0	2	0	0
Sierra	1	. 17	ō	17	1	17,	1	15	0	13	1	20
Siskiyous	ā	0	ō		ō	0	1	10	0	j 0	"O	0
Solano	ŏ	2	ŏ.	ō	. 0	6	0	- 0	1	12	0	11
	ĩ	2	1	ī	2	11	4	29	0	11	4	38
Southwestern	ā	ĩ	ō	ō	ō	_0	. 0	16	0	0	0	0
Ventura	ő	9	ŏ	3	Ō	1	Ó	0	0	0	0	, 0
West Valley	ő	ś	ŏ	5	2	12	0	0	. 0	. 0	0	• 0
Yuba		<u> </u>						·				
TOTAL	29	502	49	624	21	453	69	974	58	814	49	799

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Source: Analytical Studies, California Postsecondary Education Commission.



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TABLE AH-6 Fall Enrollment in and Degrees Conferred by Chiropractic Schools, 1978-79 - 1980-81

Institution <u>and Year</u>	No Resi Ali M	dent	: N <u>His</u>	ack on- <u>panic</u> F	Ind Ala:	rican ian/ skan tive F	As Pac		His	<u>panic</u> F		n-	<u>Tot</u> M	<u>al</u> F	<u>A11</u>
ALL ENROLLMENT												· · · · · ·			
Cleveland															
Chiropractic College															
1979	0	1	7	3	0	0	15	2	.7	2	197	53	226	61	287
1980	0	1	18	4	0	G	32	8	29	9	416	155	490	177	667
1981	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
-Life Chiropractic CollegeWest					1										
1979	NOT	FUI	TA U	PERAT	TONA	r.									
1980				PERAI											
1981	0	0	3	1	0	0	5	4	5	0	143	156	156	61	217
Los Angeles College of Chiropractic															
1979	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	597	125	722
1980	14	8	4	3	0	0	10	0	16	1	505		549	118	
1981	14	6	6	3	ŏ	ŏ	16	1	19	ō	430		485	138	
Palmer College of ChiropracticWest							-								
1979	NOT	FUI	TAO	PERAT	TONAL	L.									
1980				PERAT											
1981	1	0	5	1	0	0	14	4	7	0	254	129	281	134	263
Pasadena College of Chiropractic															
1979	2	0	3	2	0	0	13	3	10	2	191	60	219	67	286
1980	0	Ō	6	3	0	0	8	2	13	0	139	36	166	41	207
1981	2	1	5	3	0	0	7	2	8	1	125	35	147	42	189
EGREES CONFERRED									-						
Cleveland								•		• •					
Cleveland Chiropractic College					. '			•		• .					
	0	ŋ	6	2	0	0	5	1	4	1	71	6	86	10	96
Chiropractic College	Ō	Ó	5	2	1	0	4	1	5	2	69	5	84	10	94
Chiropractic College 1978-79	-	-								2					-
Chiropractic College 1978-79 1979-80 1980-81 Los Angeles College	Ō	Ó	5	2	1	0	4	1	5	2	69	5	84	10	94
Chiropractic College 1978-79 1979-80 1980-81 Los Angeles College of Chiropractic	0 NR	0 NR	5 NR	2 NR	l NR	0 NR	4 NR	l NR	5 NR	2 NR	69 NR	5 NR	84 NR	10 NR	94 NR
Chiropractic College 1978-79 1979-80 1980-81 Los Angeles College of Chiropractic 1978-79	0 NR 12	0 NR 2	5 NR 0	2 NR -0-	l NR	0 NR 1	4 NR 5	l NR 1	5 NR	2 NR 0	69 NR 176	5 NR 29	84 NR 202	10 NR 33	94 NR 235
Chiropractic College 1978-79 1979-80 1980-81 Los Angeles College of Chiropractic	0 NR 12	0 NR	5 NR	2 NR	l NR	0 NR	4 NR	l NR	5 NR	2 NR	69 NR 176 NR 169	5 NR 29 NR 28	84 NR	10 NR 33 38	94 NR 235
Chiropractic College 1978-79 1979-80 1980-81 Los Angeles College of Chiropractic 1978-79 1979-80 1980-81 Pasadena College	0 NR 12 NR	0 NR 2 NR 1	5 NR 0 NR	2 NR -0- NR	l NR O- NR	0 NR 1 NR	4 NR 5 NR	l NR l NR	5 NR 9 NR 5	2 NR 0 NR	69 NR 176 NR	5 NR 29 NR 28	84 NR 202 174	10 NR 33 38	94 NR 235 212
Chiropractic College 1978-79 1979-80 1980-81 Los Angeles College of Chiropractic 1978-79 1979-80 1980-81 Pasadena College of Chiropractic	0 NR 12 NR 3	0 NR 2 NR 1	5 NR 0 NR 1	2 NR -0 NR 0	l NR O	0 NR 1 NR 0	4 NR 5 NR 4	l NR I NR O	5 NR 9 NR 5	2 NR 0 NR 2	69 NR 176 NR 169	5 NR 29 NR 28	84 NR 202 174 182	10 NR 33 38 31	94 NR 235 212 213
Chiropractic College 1978-79 1979-80 1980-81 Los Angeles College of Chiropractic 1978-79 1979-80 1980-81 Pasadena College	0 NR 12 NR	0 NR 2 NR 1	5 NR 0 NR 1	2 NR -0- NR	l NR O- NR	0 NR 1 NR	4 NR 5 NR	l NR l NR 0	5 NR 9 NR 5	2 NR 0 NR	69 NR 176 NR 169	5 NR 29 NR 28	84 NR 202 174	10 NR 33 38	94 NR 235 212

Note: · "NR" indicates no response from institution. 0

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Source: Analytical Studies, California Postsecondary Education Commission.

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SUMMARY

In terms of the three specific findings that the Legislature has asked the Commission to incorporate into this report and otions in this series, it is possible to conclude that, for the immediate future:

- 1. Enrollment levels seem to be adequate to meet the need for health personnel in every category, although little attention has been devoted by manpower planners to needs in fields other than the original five mentioned in statute--medicine, nursing, dentistry, pharmacy, optometry.
- 2. Although Commission staff has not conducted a full-scale utilization study, there is no indication of a need for additional classroom and clinical resources throughout the State for health sciences education.
- 3. No circumstances exist that call for the Commission to initiate recommendations regarding either the establishment or the elimination of any existing program in the health sciences, apart from those developed in the ongoing process of program approval and review conducted cooperatively with the public segments of California higher education.

Notwithstanding these findings, many challenges remain in planning for health sciences education, among the most pressing of which is funding for this form of education during a period of enormous pressure on State fiscal resources. Several serious problems identified in the first of these Commission reports still remain unresolved, including the issues discussed above of data for policy making, medical residencies, and nursing supply. But the Commission believes that the kind of cooperative efforts among various entities called for in that document--making use of reliable data, constructive dialogue, and commitment tempered with flexibility--have resulted in real progress toward the identification and resolution of some of the most difficult questions. There is no reason to believe that 1983-1984 will see any diminution in the need for these joint efforts or in the progress attained through them.

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APPENDIX A

Assembly Bill No. 1748

[Approved by Covernor August 26, 1976, Filed with Secretary of State August 27, 1976.]

CHAPTER 600

An act to add Sections 22712.5, 22712.6, and 22712.7 to the Education Code, and to add Article 19 (comfinencing with Section 429.94) to Chapter 2 of Part 1 of Division 1 of the Health and Safety Code, relating to health services.

LEGISLATIVE COUNSEL'S DIGEST

AB 1748. Durfy. Health manpower planning and education. Existing law provides for a state medical contract program to provide aid for education and training in the area of primary care family physicians' services and provides for a Health Manpower Policy Commission with specified duties in such connection.

The bill would require the State Department of Health to prepare a Health Manpower Plan containing specified elements for California. The bill would require the State Department of Health to issue an updated Health Manpower Plan to the Legislature. Governor, and the California Postsecondary Education Commission on or before September 1, 1977, and biennially thereafter. The bill would require the California Postsecondary Education Commission to issue a Health Sciences Education Plan, based on the Health Manpower Plan issued by the state department, and to issue an updated Health Sciences Education Plan to the Legislature and the Governor on or before March 1, 1978, and biennially thereafter.

The people of the State of California do enact as follows:

SECTION 1. Section 22712.5 is added to the Education Code, to read:

22712.5. The commission shall issue a Health Sciences Education Plan which shall take into account the Health Manpower Plan issued by the State Department of Health pursuant to Section 429.96 of the Health and Safety Code.

SEC. 2. Section 22712.6 is added to the Education Code, to read: 22712.6. The Health Sciences Education Plan shall consist of at least the following elements:

(a) A finding, taking into account the findings of the Health Manpower Plan issued by the State Department of Health, as to whether health sciences education enrollment levels are adequate to

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meet the needs in California for health personnel, by category and specialty within each category.

(b) A finding as to the extent to which the sites of health sciences training programs make maximum available use of existing clinical and classroom resources throughout the state.

(c) Recommendations concerning the establishment of new programs or the elimination of existing programs in health sciences according to findings in subdivisions (a) and (b).

SEC. 3. Section 22712.7 is added to the Education Code. to read: 22712.7. The commission shall issue an updated Health Sciences Education Plan and recommendations to the Legislature and the Governor on or before March 1, 1978, and on or before March 1 of every even-numbered calendar year thereafter.

SEC. 4. Article 19 (commencing with Section 429.94) is added to Chapter 2 of Part 1 of Division 1 of the Health and Safety Code, to read:

Article 19. Health Manpower Planning

429.94. The state department shall prepare a Health Manpower Plan for California. The plan shall consist of at least the following elements:

(a) The establishment of appropriate standards for determining the adequacy of supply in California of at least each of the following categories of health personnel: physicians, 'midlevel medical practitioners (physician's assistants and nurse practitioners): nurses; dentists: midlevel dental practitioners (dental nurses and dental hygienists): optometrists: optometry assistants; pharmacists: 'and pharmacy technicians.

b) A determination of appropriate standards for the adequacy of supply of the categories in subdivision (a) shall be made by taking into account all of the following: current levels of demand for health services in California: the capacity of each category of personnel in subdivision (a) to provide health services: the extent to which midlevel practitioners and assistants can substitute their services for those of other personnel: the likely impact of the implementation of a national health insurance program on the demand for health services in California: professionally developed standards for the cadequacy of the supply of health personnel: and assumptions concerning the future organization of health care services in California.

(c) A determination of the adequacy of the current and future supply of health personnel by category in subdivision (a) taking into account the sources of supply for such personnel in California, the magnitude of immigration of personnel to <u>California</u>, and the likelihood of such immigration continuing.

(d) A determination of the adequacy of the supply of specialties within each category of health personnel in subdivision (a). Such determination shall be made, based upon standards of appropriate supply to specialty developed, in accordance with subdivision (b). e) Recommendations concerning changes in health manpower policies, licensing statutes, and programs needed to meet the state's need for health personnel.

429.95. The state department shall consult with the Health Manpower Policy Commission, health systems agencies, and other appropriate organizations in the preparation of this plan.

429.96. The state department shall issue an updated Health Manpower Plan and recommendations to the California Postsecondary Education Commission, the Legislature, and the Governor on or before September 1, 1977, and on or before September 1 of each odd-numbered calendar year thereafter.

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APPENDIX B

Recommendations from <u>A</u> <u>Health Sciences</u> <u>Education</u> <u>Plan for California</u>: <u>1978-80</u> (Commission Report 79-9), pp. iv-vi

Medical Education

- 1. Because of the large and growing number of physicians now practicing or receiving graduate medical education in the State, no additional medical schools or sub-campuses of medical schools should be implemented or phased-in in California until the rate of in-migration drops markedly. During this time, existing and currently planned two-year programs should not be expanded beyond two-year status.
- 2. The State should determine the mode and degree of State influence on medical education programs, particularly residencies, which would achieve the most beneficial results in effecting desired distribution of medical specialties and optimum utilization of medical education as a means of providing health care in underserved areas.
- 3. The health manpower and health science education planners of the State should develop standards for assessing the adequacy of the total health care which is available to urban and rural Californians, reflecting normal patterns of mobility but taking into account the barriers--cultural, linguistic, economic, and psychological--which may affect the utilization of existing health care resources.
- 4. The State should provide for the certification of nurse practitioners and should further define this profession and the scope of its practice. The educational and experiential requirements for certification should be established at a standardized professional level, but should provide for a variety of paths to the attainment of those requirements.
- 5. The State should encourage, through appropriate means, the recruitment of medical students and residents from diverse backgrounds, cultures, and languages, and should encourage, through the medical education programs it supports, the development of sensitivity on the part of physicians to the needs of people as individuals and as members of diverse cultures and groups.



Nursing Education

- 1. The Postsecondary Education Commission, together with the Division of Health Professions Development in the Office of Statewide Health Planning and Development, should jointly establish a task force to make a differentiated assessment of statewide nursingcare needs and manpower resources. This group should be made up of nursing educators, health planners, hospital spokespersons, legislative staff, representatives of licensure boards and professional associations, working nurses, et al. The task force should explore ways of determining the supply of and demand for nurses, including specialists; resolve problems in the education, employment, and retention of the proper number and types of nurses; and assist various agencies and organizations to work together toward fuller utilization of nursing manpower resources.
- 2. In order to achieve better coordination and articulation, the two boards now licensing nurses-the Board of Registered Nursing and the Board of Vocational Nurse and Psychiatric Technician Examiners--should be combined into a single board with responsibilities for all licensure of patient-care personnel.

Dental Education

- The State should clarify and codify the scope of practice of extended-function dental auxiliaries, and should provide educational programs to prepare Californians for these paraprofessignal fields.
- 2. Greater use should be made of expanded role dental auxiliaries, particularly in meeting dental needs in underserved areas.
- 3. Additional minority students should be recruited for careers as dental auxiliaries as a means of facilitating community screening and peer counseling which will provide assistance and support to people in underserved areas who need further dental care.

Pharmaceutical Education

1. The State should provide in statute and regulation for the delineation of function between a professional pharmacist and a pharmacy technician, and should provide appropriate educational programs in each field, taking into account the variety of roles which pharmacists may fill, ranging from traditional retail dispensing of drugs to the delivery of primary health care.

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Optometric Education

- 1. The State should include optometry in the AB 1503 experimental health manpower programs in order to explore possible new roles for optometrists in primary health care, and for optometric technicians in-patient care.
- 2. Future health manpower plans prepared by the Office of Statewide Health Planning and Development should investigate the overlapping responsibilities of optometrists and ophthalmologists in providing vision care, and should recommend public policies with respect to the utilization of each kind of vision specialist.

Equal Educational Opportunity

- 1. California institutions should continue outreach, recruiting, and admissions programs to increase the number of minority and women undergraduates as a means of increasing the numbers eligible for programs in the health sciences.
- 2. Monitoring of educational opportunities in the health professions should be a part of any ongoing monitoring of affirmative action activities by segmental headquarters and such agencies as the California Postsecondary Education Commission. As a part of such monitoring, those special State and federal programs presently operating to increase enrollment of ethnic minorities and women in the health sciences should be evaluated by January 1, 1981, to determine their peffectiveness.
- 3. California institutions should continue to recruit and admit additional, qualified ethnic minorities and women in the health sciences to offset the historic underrepresentation of these groups. Women, as a group, are underrepresented in proportion to their numbers as college graduates, as well as their numbers in the total population. They should be given special priority in these recruiting and admission efforts.
- 4. All entities of State government which support, govern, or administer education, from the Legislature to local campuses and public school systems, should increase their efforts to identify and overcome those barriers which have prevented minorities and women from participating fully in professional education in the health sciences. Such efforts should be assigned high priority in the allocation of public resources of time and money.

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REFERENCES

- California Postsecondary Education Commission. <u>A Health Sciences</u> <u>Education Plan for California: 1978-1980</u>. Commission Report 79-9. Sacramento: The Commission. July 1979.
- --. <u>The Need for Educational and Research Centers in Geriatric</u> <u>Medicine</u>. Agent's Item 2B, January 1980.
- --. <u>A Report on Health Sciences Education Planning for California:</u> <u>1980-1982</u>. Commission Report 81-2. Sacramento: The Commission, January 1981.
- -- <u>An Analysis of the Report of the Graduate Medical Education</u> <u>National Advisory Committee</u>. Commission Report 82-1. Sacramento: The Commission, January 1981.
- Office of Statewide Health Planning and Development, Division of Health Professions Development. <u>1981 California Health Man-</u> <u>power Plan Biennial Update</u>: <u>Summary</u>. Sacramento: The Office, December 30, 1981.
- Wong, John C. <u>Health Manpower Study of Selected Health Professions</u> in <u>California</u>, <u>1976</u>: <u>A Report Prepared for the California</u> <u>Postsecondary Education Commission</u>. Commission Report 76-12. Sacramento: The Commission, December 1976.

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