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ABSTRACT

The emphasis of this publication is on new or proposed physician support training programs which are in the advanced planning or pilot stages and on operational programs which have not yet received accreditation or have only recently been accredited. Detailed data were gathered for 71 programs through mailed questionnaire or telephone surveys, and this data is summarized according to whether the programs have varied entrance requirements or extend nursing roles. The programs are listed alphabetically by state and city and contain the following information: (1) program title, (2) title of graduates, (3) institution name and address, (4) program director(s) and address, (5) affiliated institution(s), (6) stage of development, (7) length of program, (8) curriculum description, (9) credential awarded, (10) minimum and additional preferred requirements, (11) number of students enrolled and graduated, and (12) availability of financial aid. In addition to the 71 programs for which complete information was obtained, the publication lists the director and address of 41 programs for which no detailed information was available at the time of the survey. Sources of further information concerning several of the programs are appended. (SB)



Health
Manpower
Data

ED 068674

Selected
Training
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For

Physician Support Personnel

VI017156

DMI Health Manpower Data

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ED 068674

**Selected
Training
Programs
For**

PHYSICIAN SUPPORT PERSONNEL

DHEW Publication No. (NIH) 72-183

June 1970
Revised March 1971
Revised May 1972

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
National Institutes of Health
Bureau of Health Manpower Education
Division of Manpower Intelligence

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PREFACE

The Bureau of Health Manpower Education was established to provide leadership in planning, conducting, coordinating, and evaluating the Nation's health manpower education programs. Two recent developments in health manpower education are of particular interest to the public and to the Bureau – the training of new types of physician support personnel and the extension of the roles of traditional medical personnel to perform tasks which can be safely delegated by the physician. These tasks include taking of medical histories, physical examinations, therapeutic procedures, as well as other more complicated diagnostic and surgical procedures.

These new types of physician support personnel are becoming increasingly popular. Because the field is new, there is little standardization of job definition, course content, prerequisites for entrance, and titles of training programs. Job titles of graduates include: "Physician's Assistant," "Physician's Associate," "Medex," "Clinical Corpsman," "Child Health Associate," "Pediatric Nurse Practitioner," "Nurse Clinician," and many more. Some programs offer college credit, others do not. Some are developing physician's assistants in primary care, others are training physician's assistants in medical specialties.

The emphasis of this publication is on new or proposed programs which are in the advanced planning or pilot stages and on operational programs which have not yet received accreditation or have only recently been accredited. Listing in this publication does not constitute endorsement of the program by the Bureau. Information about training programs in this emerging occupational field has been collected and published because it is not readily available elsewhere.

This third edition of "Selected Training Programs for Physician Support Personnel" is based upon survey data. The previous two issues were compiled from available information from various sources. Because of the rapid growth in the number of such training programs and a desire to collect uniform data, a survey questionnaire was designed in the spring of 1971 to gather data for this publication. (A detailed discussion of the survey is found on page 99.) The growth of this field is reflected by the fact that the first edition in 1970 listed 67 programs, while the current edition lists 112 programs.

A number of programs were identified after the survey was completed. The last section of this publication contains summaries of programs for which complete information was not obtained. For any additional information contact program directors at the addresses indicated.

Accreditation and Guidelines for Developing Programs

Accreditation procedures have not been established for most of the new categories of training programs for physician support personnel. Only two types of programs were accredited as of January 1, 1972: physician's assistants in orthopedic and in primary care. Persons interested in the accreditation status of other training programs may contact individual program directors or the American Medical Association, Department of Medical Education.

At present, the American Urological Association is working with the AMA to establish the mechanisms for accrediting training programs for urologic assistants. The American Academy of Pediatrics and the American Nurses Association have issued joint guidelines for accrediting training programs for pediatric nurse associates. Similar negotiations are being conducted between the American Academy of Pediatrics and the American Association of Medical Assistants to establish accreditation standards for training programs for pediatric assistants. Persons interested in the accreditation status of these programs may contact the program directors or the Association and Academies.

Other organizations that have published statements defining types of physician's assistants include the National Academy of Sciences, the Association of American Medical Colleges, and the American Hospital Association. Guidelines by the AMA Council on Health Manpower for the development of new health occupations were published in the *Journal of the American Medical Association* of August 17, 1970. Copies are available from the AMA.

Legislative Developments

As of January 1, 1972, the following states have enacted exceptions to their Medical Practice Acts to permit physicians to delegate functions to qualified non-physicians: Arizona, Arkansas, Colorado, Connecticut, Delaware, Florida, Kansas, Oklahoma, and Utah. The State Board of Medical Examiners is authorized to approve training programs for "physician's assistants" in the following states: California, Florida, Indiana, Iowa, Kansas, New Hampshire, New York, Oregon, and Washington. Other states considering such legislation are: Alabama, Alaska, Illinois, Maryland, Michigan, Minnesota, Nebraska, North Carolina, Ohio, Pennsylvania, Tennessee, West Virginia, and Wisconsin. In 1972, additional states are expected to enact similar legislation.

For Counselors and Prospective Students

In view of the rapid developments in this field, persons using this information for counseling students or for the selection of training opportunities should check the status of training standards for the specific category of the physician support programs in which they are interested, as well as the status of the individual training program. Prospective students are advised to investigate whether graduates of physician support personnel programs are allowed to work in a State.

William A. Lybrand, Ph.D.



Director,
Division of Manpower Intelligence

INTRODUCTION

The Survey

In April 1971, a survey of 137 training programs for physician support personnel was conducted. These programs had come to the attention of the Bureau of Health Manpower Education from a variety of sources. Responses were received from 132 of the programs surveyed, in the initial mailing. Forty-nine of these did not complete the survey questionnaire, stating that they did not meet the requirements for inclusion in the study at that time. Upon review it was determined that 22 other programs did not meet the requirements for inclusion. Nine of these were excluded because they were involved in technician or technologist type training, and 13 were excluded because they were training personnel for intramural use only. Therefore, sixty-one programs from the initial survey met the criteria for inclusion. An additional 10 programs came to our attention while the survey data were being processed and were surveyed by telephone for inclusion. Forty-one others are listed in the last section as programs for which no detailed information was available at this time.

Criteria for inclusion in this publication were:

1. Stage of Program Development – The program must be either operational, or in an advanced planning stage having assurance of financial support and operational status within a year of the survey date.
2. Entrance Requirements – Entering students must have completed high school or its equivalent, and the program must provide:
 - a. Short or long-term training to expand the capabilities of persons with previous health service training and experience, or
 - b. Long-term training for persons with no previous formal health service training or experience.
3. Occupational Category – The graduates of the program must have an identification differentiated from traditional health professions as they currently exist, and must work under the direction of a physician or physicians to perform tasks the physicians would have to perform in the absence of this specially trained individual.

Selected Findings:

The following analyses are based on the data from the 61 programs in the initial survey which met the above criteria. These programs trained 31 different types of personnel (Table 1) and were in various stages of program development, planning, testing, and operating (Table 2).

Table 1

NUMBER OF PROGRAMS BY TITLE OF PERSON TRAINED

Title of Person Trained	Number of Programs Offering Training.
Associate in Anesthesiology	1
Master Anesthesia Technologist	1
Child Health Associate	1
Clinical Associate	1
Clinical Corpsman	1
Community Health Medic	2
Family Health Supervisor	1
Family Nurse, Nursing Service	1
Family Nurse Practitioner	1
Marine Physician Assistant	1
Maternity Nurse Clinical Specialist	1
Medex	5
Medical Emergency Technician	1
Medical Service Assistant	1
Mental Health Technologist	1
Nurse Associate	1
Orthopedic Assistant	4
Pathologist Assistant	1
Pediatric Assistant	2
Pediatric Nurse Associate	6
Pediatric Nurse Clinician	1
Pediatric Nurse Practitioner	5
Physician Assistant	7
Physician Associate	6
Registered Nurse (Ophthalmic Nurse)	1
School Nurse	1
School Nurse Practitioner	1
Surgeons Assistant	1
Surgical Assistant	2
Urologic Assistant	1
Urological Assistant	1
Total	61

Source: DMI, BHME, 1971

Table 2

NUMBER OF PROGRAMS BY PRESENT STAGE OF PROGRAM DEVELOPMENT

Present Stage	Number of Programs
Pilot Planning	4
Pilot Testing	2
Full Operational Planning	5
Operational	40
Other	2
Total	61

Source: DMI, BHME, 1971

There is little information available on applicants, enrollees, or graduates. The available data from the 61 programs show that, in 1971, 5,613 applications for enrollment were received compared with a total of 3,097 applications in 1970. Because the survey was conducted before final admission figures for 1971 were available, many schools were unable to report the number of persons to be enrolled. In the 35 programs reporting such information, 243 males and 185 females had been enrolled. The number of graduates reported was quite small. In 1970, 164 students were graduated from 17 programs. Reliable data for 1971 were not available at the time of the survey. Of the 56 programs responding affirmatively to the question "Do you anticipate that this program will be training persons in 1975?", 44 provided estimates which indicated they would be training 1,350 students per year in 1975, compared with 428 being trained in 35 programs in 1971.

A direct question concerning the types of institutions sponsoring programs was not asked. This information was obtained by analysis of the institutional names of respondents (Table 3).

Table 3

NUMBER OF PROGRAMS BY TYPE OF INSTITUTION

Type of Institution	Number of Programs
Medical School	29
University	7
Medical Center	4
Community or City College	7
Hospital	2
Technical Institute	2
Clinic	1
Nursing Service	1
Federal Institution	8
Total	61

Source: DMI, BHME, 1971

The recent emergence of these programs is reflected in Table 4. Most programs began operation during the past two years. The fact that a large number of programs were planned between the time the survey was conducted and the time the results were ready for publication further highlights the rapid development in the field.

Table 4

NUMBER OF PROGRAMS BY DATE INSTRUCTION BEGAN

Year Instruction Began	Number of Programs
1960 - 1964	1
1965 - 1969	21
1970	15
1971	19
1972	2
Not started	3
Total	61

Source: DMI, BHME, 1971

The length of the programs, by academic and calendar years, is in Table 5. Some of the programs did not specify the time frame within which they operated, but there is indication that in many programs, both the academic year for didactic training and the calendar year for clinical training were used.

Table 5

NUMBER OF PROGRAMS BY LENGTH OF PROGRAM AND PROGRAM BASE-YEAR †

Length of Program	Number of Programs		
	Calendar Year	Academic Year	Not Stated
6 weeks			2
4 months			8
5 months			2
6 - 11 months			4
1 yr. - 1 yr. 11 mos.	6	2	3
2 yrs. - 2 yrs. 11 mos.	14	11	1
3 yrs. - 3 yrs. 11 mos.	1	1	-
4 yrs. - 4 yrs. 11 mos.		1	1
Not stated	4		1
Total	25	15	21

† Calendar year is a 12-month year whereas academic year usually is a 9-10 month year.

Source: DMI, BHME, 1971

The type of credentials awarded to students is shown in Table 6. A certificate is offered in 59% of the programs, and the associate degree is the next most conferred credential.

Table 6

NUMBER OF PROGRAMS BY TYPE OF CREDENTIAL AWARDED

Credential Awarded	Program	
	Number	Percent
Certificate	36	59.0
Associate	13	21.3
Baccalaureate	5	8.2
Masters	4	6.6
Not Stated	3	4.9
Total	61	100.0%

Source: DMI, BHME, 1971

Table 7 shows the minimum educational and experience entrance requirements for these programs. The additional preferred entrance requirements were not tabulated because of the wide diversity of the answers which made classifiable tabulations difficult.

Table 7

**NUMBER OF PROGRAMS BY
MINIMUM EDUCATIONAL AND EXPERIENCE REQUIREMENTS FOR PROGRAM APPLICANTS**

Minimum Experience and Requirements For Program Applicants	Number of Programs
Experience Only	2
High School Only	15
High School Plus Experience	13
Licensed Practical Nurse	1
Registered Nurse	6
Registered Nurse Plus Experience	5
Two Years of College	7
Two Years of College Plus Experience	1
Baccalaureate	3
Baccalaureate in Nursing	4
Baccalaureate in Nursing Plus Experience	3
Not Stated	1
Total	61

Source: DMI, BHME, 1971

Table 8 shows the sources of financial support for the programs by the stage of program development. Many programs had multiple sources of funding during each stage of development. The questionnaire asked only for funding sources; no attempt was made to determine the amount of financial support for the program or from any specific source. Tuition for in-State and out-of-State residents has been tabulated for the programs (See Table 9).

There was indication that a great deal of activity was going on in the initiation and development of legislation concerning these new types of personnel. Table 10 indicates that changes are anticipated in the laws in States where 21 of the programs are located, but not all of these 21 programs are located in different States.

Table 8

NUMBER OF PROGRAMS BY PURPOSE OF SUPPORT AND SOURCE OF SUPPORT

Purpose of Support	Source of Support — Number of Programs †									
	Institutional Budget	Local	State	Federal					Private Source	Unknown
				PHS	Educ.	Labor	VA	Other		
Program Planning	21	1	6	11	2	.	3	4	8	19
Initiating Training	9	.	6	15	3	1	4	3	9	12
Program Maintenance	21	2	11	11	3	1	5	2	11	17
Stipends and Tuition	5	1	4	11	1	2	9	2	9	25

† Many programs had multiple sources of funding.
Source: DMI, BHME, 1971

Table 9

**NUMBER OF PROGRAMS BY YEARLY TUITION †
CHARGES FOR STATE AND OUT-OF-STATE RESIDENTS**

Dollars	State Residents	Out-of-State Residents
0	24	20
1 - 99	3	3
100 - 299	3	2
300 - 499	12	5
500 - 699	4	1
700 - 899	0	1
900 - 1,499	2	12
1,500 plus	5	5
Not Stated	8	12

† If program length was less than one year, total cost was counted.
Source: DMI, BHME, 1971

Table 10

NUMBER OF PROGRAMS BY STATUS OF MEDICAL PRACTICE ACTS

Action Taken	Number of Programs
Legal Action Involving Prior Students	
Yes	0
No	43
Not Stated	18
Modification of State Laws	
Yes	13
No	41
Not Stated	7
Ruling Obtained on Status of Graduates	
Yes	7
No	48
Not Stated	6
Adticipated Action on State Laws	
Yes	21
No	26
Not Stated	14

Source: DMI, BHME, 1971

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DMI

**PROGRAMS WITH
VARIED ENTRANCE
REQUIREMENTS**

PROGRAM TITLE: Physician's Assistant Program in Diabetes

TITLE OF GRADUATES: Physician's Assistant

INSTITUTION: Regional Technical Institute
1919 7th Avenue South
Birmingham, Alabama 35233

PROGRAM DIRECTORS: Dr. Buris R. Boshell
George L. McAdams
2117 8th Avenue South
Birmingham, Alabama 35233

AFFILIATED INSTITUTION: University of Alabama

STAGE OF DEVELOPMENT: Pilot testing

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: Courses include: Medical Terminology, Anatomy, Physiology, Clinical Diabetes Lectures, Clinical Pathology, Introduction to Medicine and EKG, Office Medicine, Nutrition, Diabetic Ward, Diabetic Teaching Session, Pharmacology, Biochemistry, Internal Medicine, General Surgery, Anatomical Pathology, Microbiology, Physical Diagnosis and History Taking, Psychiatry, Dermatology, Oncology, and Clinical Rotations.

CREDENTIAL AWARDED: Diploma from State Board of Education
Certificate from University of Alabama

MINIMUM REQUIREMENTS: High School diploma, with courses in mathematics and biological sciences

Satisfactory results on a variety of intelligence, personality, and skill tests

Favorable recommendations

Personal interview

ADDITIONAL PREFERRED REQUIREMENTS: None stated

NUMBER OF STUDENTS ENROLLED: 12

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Loans, stipends, and salaries are available.

2/3

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PROGRAM TITLE: MEDEX

TITLE OF GRADUATES: Medex

INSTITUTION: University of Alabama in
Birmingham
1919 7th Avenue South
Birmingham, Alabama 35233

PROGRAM DIRECTORS: William R. Harlan, M.D.
Katherine A. McLeod

APPLIATED INSTITUTION: None

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 1 Year

CURRICULUM DESCRIPTION: The program consists of alternating
periods in didactic (classroom)
studies and clinical experience with
a preceptor. Students are pre-matched
with a preceptor before entering the
program.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: High School Diploma

ADDITIONAL PREFERRED
REQUIREMENTS: Specialty codes from the Armed
Services:
Army 91C
Air Force 90270
Navy 8405
with a background in as much primary
patient care as possible

NUMBER OF STUDENTS
ENROLLED: 22

NUMBER OF STUDENTS
GRADUATED: None to date

FINANCIAL AID: Stipends are offered during training

PROGRAM TITLE: Pathologist Assistant Program

TITLE OF GRADUATES: Pathologist Assistant

INSTITUTIONS: University of Alabama in Birmingham and
Veterans Administration Hospital
700 19th Street South
Birmingham, Alabama 35233

PROGRAM DIRECTOR: B. M. Hathaway, M.D.

AFFILIATED INSTITUTION: None

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: Courses include: Gross Anatomy, Histology, Introduction to Computing, Introduction to Disease, History, Philosophy and Ethics, Medical Terminology, Medical Microbiology, Community Health, Toxicology, Purchase-Operation- and Maintenance of Equipment, Working Conditions Maintenance, Laboratory Management, Medicolegal Aspects, Coding and Filing, Cytologic and Histologic Techniques, Cytology, Fixatives, Macro and Micro Photography, Surgical Pathology, Autopsy Service.

CREDENTIAL AWARDED: B.S. Degree in Allied Health Pathology

MINIMUM REQUIREMENTS: Junior College Certificate or equivalent, or hospital corpsmen experience as part of equivalent.

ADDITIONAL PREFERRED REQUIREMENTS: Three references, college transcripts, personal interview

NUMBER OF STUDENTS ENROLLED: 11

NUMBER OF STUDENTS GRADUATED: 4

FINANCIAL AID: Loans, jobs, and stipends are available

PROGRAM TITLE: Physician's Associate Program

TITLE OF GRADUATES: Physician's Associate

INSTITUTION: University of Alabama in Birmingham
1919 7th Avenue South
Birmingham, Alabama 35233

PROGRAM DIRECTOR: William R. Harlan, M.D.

AFFILIATED INSTITUTIONS: Birmingham VA Hospital
Birmingham Children's Hospital
University Hospital
Tuskegee VA Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: Courses include: History-Philosophy- and
Ethics of Medicine, Community Health
and Epidemiology, Medical Terminology,
Introduction to Chemistry, Medical
Microbiology, Laboratory Medicine-
Hematology, Data Processing, Animal
Experimentation, Anatomy, Physiology,
Biochemistry, Clinical Psychiatry,
Psychosomatic Medicine, Laboratory
Medicine- Clinical Chemistry, Clinical
Medicine, Radiology, Diagnostic
Procedures, Growth and Development,
Electrocardiography, Patient Evaluation
and Diagnosis, Survey of Dentistry.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Age 22-50
Two years education past high school
Three years medical experience
(corpsman, nurse, technician)

ADDITIONAL PREFERRED
REQUIREMENTS: None stated

NUMBER OF STUDENTS
ENROLLED: 12

NUMBER OF STUDENTS
GRADUATED: 5

FINANCIAL AID: Stipends are offered during training.

PROGRAM TITLE: Surgeon's Assistant Training Program

TITLE OF GRADUATES: Surgeon's Assistant

INSTITUTION: University of Alabama, Birmingham
Department of Surgery
1919 7th Avenue South
Birmingham, Alabama 35233

PROGRAM DIRECTOR: Margaret K. Kirklin, M.D.

AFFILIATED INSTITUTIONS: University of Alabama, Birmingham,
College of General Studies
Veterans Administration Hospitals

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: Courses include: Gross Anatomy, Human Physiology, Medical Terminology, Introduction to Medical Disorders, Pharmacology, Neuroanatomy, Fundamentals of General Surgery, Medical History and Physical Examination, Operating Room Technique, Principles of Surgical Patient Care, Surgical Care Techniques, Introduction to Scentogram Interpretation, Electrocardiogram Recording Technique and Interpretation of Arrhythmias, Pulmonary Function Tests and Inhalation Therapy. For the last 13 months of the course, students are assigned to various surgical services at affiliated hospitals, and occasionally to surgeons engaged in the private practice of surgery. Included is a two-month assignment to the emergency department.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Graduation from an accredited high school with an over-all grade average of at least C+. The high school curriculum should include the sciences as well as 2-4 units of mathematics.

Two years of college course work with emphasis in the sciences. In some circumstances, previous experience in the health field may be accepted as a substitute for college level education.

Ability to speak and write accurately and effectively.

Above average intelligence, high ethical, moral and humanitarian standards, good physical and mental health, skill in using hands, studiousness and a desire to learn, motivation toward science.

ADDITIONAL PREFERRED REQUIREMENTS: None

NUMBER OF STUDENTS ENROLLED: 8

NUMBER OF STUDENTS GRADUATED: 8

FINANCIAL AID: Stipends are offered during training.

PROGRAM TITLE: Community Health Medic

TITLE OF GRADUATES: Community Health Medic

INSTITUTION: Indian Health Service Desert Willow
Training Center
10755 Tanque Verde
Tucson, Arizona 85710

PROGRAM DIRECTORS: James W. Justice, M.D.
10755 Tanque Verde
Tucson, Arizona 85710

John Gimon
Phoenix Indian Medical Center
4212 North 16th Street
Phoenix, Arizona 85016

AFFILIATED INSTITUTIONS: Phoenix Indian Medical Center
University of Arizona, Department of Community
Medicine

STATE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: Phase I: Didactic - Anatomy, Physiology, Pathology,
Pharmacy; Clinical - Histories, Physicals,
Laboratory, Radiology
Phase II: Hospital Wards, Out-Patient Department,
Medicine, Surgery, Obstetrics, Gynecology,
Pediatrics, Field Health Clinics
Phase III: Preceptorships in Indian Health Service
Units

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Two years of general experience which has provided
familiarity with medical care and basic knowledge
of procedures and equipment, and one year of
specialized experience, which is the application
of the knowledge, methods, and techniques in
specific health care services

**ADDITIONAL PREFERRED
REQUIREMENTS:** Independent duty ex-corpsmen. Nursing experience
in preventive health. Facility with at least one
American Indian language. Knowledge and
experience with at least one American Indian
culture. Experience in at least one health
program for American Indians

**NUMBER OF STUDENTS
ENROLLED:** 10

**NUMBER OF STUDENTS
GRADUATED:** None to date

FINANCIAL AID: Jobs are available

PROGRAM TITLE: Navajo Community Health Medic

TITLE OF GRADUATES: Community Health Medic

INSTITUTION: Navajo Area Office
Drawer G
Window Rock, Arizona 86515

PROGRAM DIRECTORS: John N. Bennett II, M.D.
John C. Bernson
Drawer L
Gallup, New Mexico 87301

AFFILIATED INSTITUTIONS: Gallup Indian Medical Center
University of Arizona

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: Phase I
Didactic - Anatomy, Physiology, Pathology,
Pharmacy
Clinical - Histories, Physicals, Laboratory,
Radiology

Phase II
Hospital Wards, Out-Patient Department,
Medicine, Surgery, Obstetrics, Gynecology,
Pediatrics, Field Health Clinics

Phase III
Preceptorships in Indian Health Service
Units

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Two years of general experience which has
provided familiarity with medical care and
basic knowledge of procedures and equipment.
One year of specialized experience which is
the application of the knowledge, methods,
and techniques in specific health care
services.

**ADDITIONAL PREFERRED
REQUIREMENTS:** Independent duty ex-corpsman. Nursing
experience in preventive health facility with
at least one American Indian language.
Knowledge and experience with at least one
American Indian culture. Experience in at
least one health program for American Indians.

**NUMBER OF STUDENTS
ENROLLED:** 20

**NUMBER OF STUDENTS
GRADUATED:** None to date

FINANCIAL AID: Jobs are available

PROGRAM TITLE: Pediatric Assisting

TITLE OF GRADUATES: Pediatric Assistant

INSTITUTION: DeAnza College, Foothill
Community College District
21250 Stevens Creek Boulevard
Cupertino, California 95014

PROGRAM DIRECTORS: Nathan H. Boortz, Ed.D.
Foothill Community College
12345 El Monte Avenue
Los Altos Hills, California 94022

Mrs. Eloise Hansen
DeAnza College

AFFILIATED INSTITUTION: None

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 Academic years plus 4 months

CURRICULUM DESCRIPTION: The basic curriculum is the same as that for the medical assisting major. In addition, 12 units specific to pediatric assisting are required in the summer session following completion of the Medical Assisting Program. Courses in the Medical Assisting Program include: Professional Relations and Liability, Anatomy and Physiology, Effective Communication, Medical Terminology, Microbiology, Clinical Techniques, and several courses in office procedures. Courses specific to the Pediatric Assistant Program include: Common Childhood Diseases and Prevention, Pediatric Test Methods and Procedures, Immunology and Microbiology, and an externship.

CREDENTIALS AWARDED: A.A. degree and a Certificate

MINIMUM REQUIREMENTS: Regular requirements for admittance to DeAnza College and Staff recommendation

ADDITIONAL PREFERRED REQUIREMENTS: High School Biology or Biology 10, Business 70B or equivalent proficiency in typewriting, satisfactory performance on college ability tests.

NUMBER OF STUDENTS ENROLLED: Information not available

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Scholarships, loans, and jobs are available

PROGRAM TITLE: Orthopaedic Assisting

TITLE OF GRADUATES: Orthopaedic Assistant

INSTITUTION: Foothill College, Foothill
Community College District
12345 El Monte Avenue
Los Altos Hills, California 94022

PROGRAM DIRECTORS: Nathan H. Boortz, Ed.D.
Mrs. Mary McLanathan
Richard Mercer, M.D.

AFFILIATED INSTITUTIONS: El Camino Hospital
Palo Alto Medical Clinic
Sunnyvale Medical Clinic
Private Physicians' offices

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 academic years

CURRICULUM DESCRIPTION: Courses include: Functional Anatomy and
Physiology, Fundamentals of Biochemistry,
Orientation to Physical Therapy, Patient
Service and Emergency Room Techniques,
First Aid and Safety, General Microbiology,
Cast and Traction Application, Orthopaedic
Diseases and Injuries, Psychology, Operating
Room Techniques, Orientation to Prosthetics
and Orthotics, Office Procedures, and a
number of other general course requirements
such as Physical Education, Effective
Writing, American Government, Literature,
Effective Speaking, and some electives.

CREDENTIAL AWARDED: A.A. Degree

MINIMUM REQUIREMENTS: High school diploma, High School Algebra
or Math 101, High School Biology or
Biology 10

**ADDITIONAL PREFERRED
REQUIREMENTS:** Military corpsman experience

**NUMBER OF STUDENTS
ENROLLED:** 11

**NUMBER OF STUDENTS
GRADUATED:** None to date

FINANCIAL AID: Loans and jobs available

PROGRAM TITLE: Emergency Service Technician Program
TITLE OF GRADUATES: Emergency Service Technician
INSTITUTION: Casa Loma College
 12502 Van Nuys Boulevard
 The Educational Plaza
 Pacoima, California 91331
PROGRAM DIRECTOR: John T. Celenlano, M.D.
AFFILIATED INSTITUTIONS: Pacoima Memorial Lutheran Hospital, Life Systems
 Research Institute
STAGE OF DEVELOPMENT: Operational
LENGTH OF PROGRAM: 2 years
CURRICULUM DESCRIPTION: Courses in the first year include: Fundamentals of
 Nursing, Basic Nursing Science, Clinical Nursing
 Science, Principles of Vocational Nursing,
 Obstetrical and Newborn Nursing, Applied Vocational
 Nursing, English and Communication Arts, Principles
 of Emergency Medicine, Operation of Medical
 Equipment, Rescue Technique, Emergency Medical
 Techniques, and Informative Material. Courses in
 the second year include: Advanced Emergency
 Medicine, Advanced Emergency Medical Techniques
 and Management, and a Clinical Clerkship.
CREDENTIAL AWARDED: Licensed Vocational Nurse Certificate
MINIMUM REQUIREMENTS: Not specified
ADDITIONAL PREFERRED REQUIREMENTS: Not specified
NUMBER OF STUDENTS ENROLLED: Information not available
NUMBER OF STUDENTS GRADUATED: None to date
FINANCIAL AID: Information not available

PROGRAM TITLE: Los Angeles MEDEX Demonstration Program

TITLE OF GRADUATES: Medex

INSTITUTION: Drew Postgraduate Medical School
12012 Compton Avenue
Los Angeles, California 90059

PROGRAM DIRECTOR: M. Alfred Haynes, M.D.
1635 103rd Street
Los Angeles, California 90002

AFFILIATED INSTITUTIONS: UCLA School of Medicine and Hospitals
and Clinics

STAGE OF DEVELOPMENT: Demonstration Project

LENGTH OF PROGRAM: 1 year, 3 months

CURRICULUM DESCRIPTION: Courses include 100 hours of Medicine,
100 of Pediatrics, 35 of Public Health and
Preventive Medicine, 35 of psychiatry,
35 of Pharmacology, and 35 of Surgery.
Students work both in the classroom and
with a preceptor in actual practice.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Former medical corpsmen trained to a level
of independent performance or equivalent

**ADDITIONAL PREFERRED
REQUIREMENTS:** High recommendation of standard of
performance in past duties and assignments,
and high recommendations of ability to
perform as Medex in clinical setting from
physician who has worked with this person
for six months or more.

**NUMBER OF STUDENTS
ENROLLED:** 21

**NUMBER OF STUDENTS
GRADUATED:** None to date

FINANCIAL AID: Stipends are offered during training

PROGRAM TITLE: Orthopaedic Assistant's Program

TITLE OF GRADUATES: Orthopaedic Assistant

INSTITUTION: City College of San Francisco
50 Phelan Avenue
San Francisco, California 94112

PROGRAM DIRECTORS: Mr. Jules Praden
City College of San Francisco

F. Richard Schneider, M.D.
48 Park Plaza Drive
Daly City, California 94015

AFFILIATED INSTITUTIONS: Mary's Help Hospital,
Letterman General Hospital
Kaiser Hospital
San Francisco General Hospital
U.S. Public Health Hospital
Veteran's Administration

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: Courses are divided into three core areas: General Education, Health Careers, and Orthopaedic Assisting. General Education includes 435 hours of English, History and Electives. Health Careers includes 270 hours of Anatomy and Physiology, Advanced Safety Service, Microbiology, Typing, Orientation to Patient Care and Staff Relationships. The Orthopaedic Assisting Core consists of 723 hours of Patient Service and Care Techniques, Orientation to Physical Therapy, Cast and Traction, Operating Room Techniques, and Orientation to Prosthetics and Orthotics.

CREDENTIAL AWARDED: A.A. Degree and Certificate

MINIMUM REQUIREMENTS: High School graduates or mature students able to demonstrate ability to undertake a college program. Also permission of the advisor, interest in human services occupations, ability to relate well to others, physical strength and body control.

ADDITIONAL PREFERRED REQUIREMENTS: Biology, physics, chemistry, algebra, and geometry would be helpful, but are not required

NUMBER OF STUDENTS ENROLLED: 19

NUMBER OF STUDENTS GRADUATED: 17

FINANCIAL AID: Loans and jobs are available

PROGRAM TITLE: The Child Health Associate Program

TITLE OF GRADUATES: Child Health Associates

INSTITUTION: University of Colorado Medical Center
4200 East Ninth Avenue
Denver, Colorado 80220

PROGRAM DIRECTORS: Henry K. Silver, M.D.
James A. Hecker, M.D.
John E. Ott, M.D.

AFFILIATED INSTITUTIONS: Fitzsimons General Hospital
Children's Hospital of Denver
Denver General Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 academic years, plus 12 months of internship

CURRICULUM DESCRIPTION: First year courses are in the basic sciences, including Pediatric Anatomy, Microscopic Anatomy, Embryology, Social Psychology, Pediatric Physiology, Applied Growth and Development, Community Health, Nutrition, Pediatric Pathology, Pediatric Physiology, Medical Spanish, Biochemistry Nursing Care, Lab Diagnosis, Psychology. The second year is basically a clinical experience. Courses include Spanish, Medical Genetics, Survey of Subspecialties, Growth and Development, Psychosocial Development, Outpatient Clinic, Otorhinolaryngology, Dermatology, Seminar, Child Psychology, Pharmacology, Community Health, First Aid, Allergy, Core Field Trips, Interpretive Reading.

CREDENTIAL AWARDED: B.A. and Certificate; Licensure by the State Board of Medical Examiners

MINIMUM REQUIREMENTS: 2 years of college

ADDITIONAL PREFERRED REQUIREMENTS: Experience with children or the medical field

NUMBER OF STUDENTS ENROLLED: 24

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Scholarships, loans, and stipends are available

PROGRAM TITLE: Yale Physician's Associate Program

TITLE OF GRADUATES: Physician's Associate

INSTITUTION: Yale University School of Medicine
Department of Surgery
1020 FMB
333 Cedar Street
New Haven, Connecticut 06510

PROGRAM DIRECTORS: Alfred M. Sadler, Jr., M.D.
Paul F. Moson

AFFILIATED INSTITUTIONS: Yale-New Haven Hospital
Hospital of St. Raphael
West Haven VA Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 24 Months

CURRICULUM DESCRIPTION: Courses include: Animal Surgery, Basic Clinical Laboratory, Clinical Pharmacology, Clinical Radiology, Electrocardiograph and Cardiac Care, Emergency Treatment and Management, Ethics and Legal Aspects of Medicine, History Taking and Physical Examination, Integrated Anatomy, Physiology, and Biochemistry, Introduction to Clinical Medicine and Surgery, Psychodynamics of Human Behavior.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Demonstrated ability to do college level work. Medical Experience - Preferably two years. Demonstrated integrity, motivation, character. 3 letters of recommendation, an essay, and CEEB aptitude scores.

ADDITIONAL PREFERRED REQUIREMENTS: None specified

NUMBER OF STUDENTS ENROLLED: Information not available

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: No tuition is required.
Loans are available.

PROGRAM TITLE: Physician's Assistant Training Program

TITLE OF GRADUATES: Physician's Assistant in (speciality)

INSTITUTION: University of Florida, College of Medicine
Box 712, J. Hillis Miller Health Center
Gainesville, Florida 32601

PROGRAM DIRECTOR: Richard A. Henry, M.D.

AFFILIATED INSTITUTIONS: Santa Fe Junior College
Shands Teaching Hospital
Veterans Administration Hospital

STAGE OF DEVELOPMENT: Pilot Planning - To begin operation.
in January, 1972

LENGTH OF PROGRAM: 2 Years

CURRICULUM DESCRIPTION: There are four major areas of study: Common Program, Health Related Core Program, Technical Core, Professional Core. The Professional Core includes Internships and Externships, Instrumentation, Physics, Patient Evaluation and Record Keeping, Minor Surgery and Sterile Technique, Pharmacology and Prescriptions, Emergency Care, Medical Science, Pediatrics and Human Growth and Development, Obstetrics and Gynecology, Psychiatry, and Seminars.

CREDENTIAL AWARDED: A.A. Degree

MINIMUM REQUIREMENTS: High School graduate, motivation for health service employment, aptitude, communicating skills and demonstrated interest in health care.

ADDITIONAL PREFERRED REQUIREMENTS: Previous experience in health care

NUMBER OF STUDENTS ENROLLED: None to date

NUMBER OF STUDENTS GRADUATED: None

FINANCIAL AID: Information not available

PROGRAM TITLE: Master Life Support Systems Technology Program (Anesthesia Technology)

TITLE OF GRADUATES: Master Anesthesia Technologist

INSTITUTION: Emory University
69 Butler Street, S.E.
Atlanta, Georgia 30303

PROGRAM DIRECTORS: John E. Steinhaus, M.D.
James A. Evans, M.D.

AFFILIATED INSTITUTION: Case Western Reserve University

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 1 Academic year and 9 months

CURRICULUM DESCRIPTION: The program consists of three didactic (classroom) quarters, and four clinical quarters, for a total of 84 quarter hours. Required courses include: Physics of Anesthesia, Anatomy for the Anesthetist, Chemistry of Acid Base Electrolyte Fluids, Pharmacology of Anesthetic Drugs, Electronics and Instrumentation, Seminar, Clinical Anesthesia, Directed Study, Mammalian Physiology, Digital Computer Programming. The passing of written and oral examinations in anesthesia technology is required.

CREDENTIAL AWARDED: Master's Degree

MINIMUM REQUIREMENTS: Undergraduate degree in physical or biological science and acceptable scores on GRE or MCAT.

ADDITIONAL PREFERRED REQUIREMENTS: Interest in health sciences

NUMBER OF STUDENTS ENROLLED: 6

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Scholarships, loans, and jobs are available

PROGRAM TITLE: Physician Associate

TITLE OF GRADUATES: Physician Associate

INSTITUTION: Emory University School of Medicine
Division of Allied Health Professions
Atlanta, Georgia 30322

PROGRAM DIRECTORS: J. Willis Hurst, M.D.
Glenn Memorial Building
69 Butler Street, S.E.
Atlanta, Georgia 30303

Miss Ann Flewelling, B.S.
Box 26026
Grady Memorial Hospital
Atlanta, Georgia 30303

AFFILIATED INSTITUTIONS: Grady Memorial Hospital
Columbus Medical Center
Southside Comprehensive Health Center

STAGE OF DEVELOPMENT: First class in operation

LENGTH OF PROGRAM: 3 calendar years

CURRICULUM DESCRIPTION: Courses include: Chemistry, Anatomy,
Biology, Mathematics, Physiology, Physics,
English, Sociology, Introduction to
Medicine, Pharmacology, Electronics,
Specialty Options, and Supervised Extern-
ship.

CREDENTIAL AWARDED: Associate in Medicine Degree

MINIMUM REQUIREMENTS: High School diploma, satisfactory scores
on SAT, some health service experience

**PREFERRED ADDITIONAL
REQUIREMENTS:** Stable personality, neat, intelligent

**NUMBER OF STUDENTS
ENROLLED:** 27

**NUMBER OF STUDENTS
GRADUATED:** None to date

FINANCIAL AID: Scholarships, jobs, and stipends are
available

PROGRAM TITLE: Pediatric Assistants

TITLE OF GRADUATES: Pediatric Assistant

INSTITUTION: Georgia State University
School of Allied Health Sciences
33 Gilmer Street, S.E.
Atlanta, Georgia 30303

PROGRAM DIRECTORS: J. Rhodes Haverty, M.D.
Betty Jo Parsons, M.N.

AFFILIATED INSTITUTIONS: Presbyterian Baby Clinic
Northside Hospital
Local Pediatrician's Offices

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 academic years and 3 months

CURRICULUM DESCRIPTION: Courses include: 11 credits of mental health, 25 credits of pediatrics, 5 credits of pharmacology, and 5 credits of education. Other courses include Biology, English, Mathematics, Allied Health Sciences, Microbiology, Sociology, History, and some Electives.

CREDENTIAL AWARDED: Associate of Science Degree

MINIMUM REQUIREMENTS: Regular admission requirements of Georgia State University, personal interview, and an interest in people

ADDITIONAL PREFERRED REQUIREMENTS: High School background in Biology, Chemistry, and Typing.

NUMBER OF STUDENTS ENROLLED: 6

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Scholarships, loans and jobs are available

PROGRAM TITLE: Orthopaedic Assistant

TITLE OF GRADUATES: Orthopaedic Assistant

INSTITUTION: Kirkwood Community College
6300 Bowling Street, S.W.
Cedar Rapids, Iowa 52406

PROGRAM DIRECTORS: Frank P. Mulhern
Noel Bishop

AFFILIATED INSTITUTIONS: University of Iowa Hospital
Veterans Administration Hospital
St. Luke's Methodist Hospital
Mercy Hospitals

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 Years

CURRICULUM DESCRIPTION: Courses include: Anatomy and Physiology, Introduction to Health Care and Personnel Relations, Emergency Care, Plaster Casting Techniques, General Education, Orthopaedic Conditions, Introduction to Medical Science, Supervised Clinical Experience, Integrated Science, Operating Room Techniques, Introduction to Physical Therapy, Orthotics and Prosthetics, Traction Techniques, Office Procedures, and Seminars.

CREDENTIAL AWARDED: Associate Degree

MINIMUM REQUIREMENTS: High School diploma or equivalent, personal interview, medical examination, objective test results, age 17-55 years.

ADDITIONAL PREFERRED REQUIREMENTS: Medic/Corpsman experience or Hospital orderly-aide experience.

NUMBER OF STUDENTS ENROLLED: 12

NUMBER OF STUDENTS GRADUATED: 13

FINANCIAL AID: Scholarships and loans are available.

PROGRAM TITLE: Clinical Associate
TITLE OF GRADUATES: Clinical Associate
INSTITUTIONS: University of Kentucky
 College of Health Professions
 Chandler Medical Center
 University of Kentucky
 Lexington, Kentucky 40506
PROGRAM DIRECTOR: Joseph Hamburg, M.D.
AFFILIATED INSTITUTIONS: Lexington Technical Institute
 College of Medicine, Chandler Medical
 Center
STAGE OF DEVELOPMENT: Pilot Planning
LENGTH OF PROGRAM: 2 academic years
CURRICULUM DESCRIPTION: Not yet developed
CREDENTIAL AWARDED: Associate Degree and/or Certificate
MINIMUM REQUIREMENTS: High School and University of Kentucky
 entrance requirements
**ADDITION PREFERRED
 REQUIREMENTS:** Personal suitability to the program
**NUMBER OF STUDENTS
 ENROLLED:** None to date
**NUMBER OF STUDENTS
 GRADUATED:** None to date
FINANCIAL AID: Scholarships, loans, and scholarships
 are available

PROGRAM TITLE: Preparation and Evaluation of A Non-Physician Family Health Team

TITLE OF GRADUATES: Family Health Supervisor

INSTITUTIONS: Health Services Research and Development Center
Johns Hopkins Medical Institutions
601 North Broadway
Baltimore, Maryland 21205
and
East Baltimore Medical Program
601 North Broadway
Baltimore, Maryland 21205

PROGRAM DIRECTORS: Archie S. Golden, M.D.
Dennis G. Carlson, M.D.

AFFILIATED INSTITUTION: None

STAGE OF DEVELOPMENT: Pilot Testing

LENGTH OF PROGRAM: 2 Year

CURRICULUM DESCRIPTION: Courses include: Family Health Studies, Community Resources, Communication Skills, Health Education, Growth and Development, Natural History of Disease, Laboratory Procedures, Health Assessment, History Taking, Physical Exam, Medical Case Conference, and practical work in out-patient facilities.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: High school education
Experience in the health field, either as a nurse or as an ex-military corpsman

ADDITIONAL PREFERRED REQUIREMENTS: Particular interest in changing present role in the health field.

NUMBER OF STUDENTS ENROLLED: 5

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Stipends are offered

PROGRAM TITLE: Utilization of Experienced Ex-Medical Corpsmen

TITLE OF GRADUATES: Physician Assistant

INSTITUTION: Northeastern University
202 Robinson Hall
Boston, Massachusetts 02115

PROGRAM DIRECTOR: Suzanne B. Greenberg

AFFILIATED INSTITUTIONS: Massachusetts Medical Society
Boston City Hospital
Cambridge Hospital
Peter Bent Brigham Hospital
St. Elizabeth's Hospital
Tufts-New England Medical Center Hospitals

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: Courses include: Sociology, Health, Disease and Disability, Physical Examination, History Taking and Interviewing, Clinical Chemistry, Physiology, Functional Human Anatomy, Medicine, Surgery, Pediatrics, Pathology, Psychiatry, Rehabilitation Medicine, Nutrition, Pharmacology, Public Health, English, Obstetrics and Gynecology, Emergency Medicine, Radiology, Primary Care, and Two Electives.

CREDENTIAL AWARDED: Certificate. Discussion is in process to see if the program can be developed into an Associate of Science Degree Program.

MINIMUM REQUIREMENTS: High school graduate or equivalent, personal interview, personality tests, applied intelligence test (requirements may change if program moves to a degree level).

ADDITIONAL PREFERRED REQUIREMENTS: References including two from physicians with whom applicant has worked

NUMBER OF STUDENTS ENROLLED: 15

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Stipends are offered during training

PROGRAM TITLE: Program for Training Physician's Assistants

TITLE OF GRADUATES: Physician's Assistant

INSTITUTION: Western Michigan University

PROGRAM DIRECTORS: Dr. George C. Mallinson
Dr. John Josten
Western Michigan University
Kalamazoo, Michigan 49001

William G. Birch, M.D.
402 Bronson Medical Center
252 East Lovell Street
Kalamazoo, Michigan 49006

AFFILIATED INSTITUTIONS: Bronson Methodist Hospital
Borgess Hospital
Kalamazoo State Hospital
Battle Creek Community Hospital
Detroit Osteopathic Hospital

STAGE OF DEVELOPMENT: Full operational planning

LENGTH OF PROGRAM: 2 years, 6 months (for those students not entering with advanced standing)

CURRICULUM DESCRIPTION: The first 10-month period of the program will be 80% didactic (classroom) and 20% clinical experience. The second 10-month period is to be 60% didactic and 40% clinical, and the third 10-month period is to be 20% didactic and 80% clinical. Courses in the first segment will probably include: Anatomy, Physiology, Pathology, Clinical Lab, Bacteriology, Physical Diagnosis, Clinical Medicine, Pharmacology, Community Health Psychology, Chemistry. The Second segment will include Radiology, Cardiology, Medicine, Surgery, Obstetrics-Gynecology, Pediatrics, Physical Diagnosis, and Psychology-Psychiatry.

CREDENTIAL AWARDED: Undetermined at this time

MINIMUM REQUIREMENTS: 2 years of college experience or its equivalent

ADDITIONAL PREFERRED REQUIREMENTS: Evidence of motivation, emotional stability, ability to communicate, adequate level of intellect to maintain "B" grades in professional courses

NUMBER OF STUDENTS ENROLLED: None to date

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Loans available. Other sources of support not yet determined.

PROGRAM TITLE: Urological Assistant Training Program

TITLE OF GRADUATES: Urological Assistant

INSTITUTION: Veterans Administration Hospital
54th and 48th Avenue South
Minneapolis, Minnesota 55417

PROGRAM DIRECTORS: Mr. Russell Church
Dr. Clyde Blackard

Dr. George T. Mellinger
Veterans Administration Hospital
4801 Lenwood Avenue
Kansas City, Missouri 64128

AFFILIATED INSTITUTIONS: Fairview Hospitals
University of Minnesota Hospitals
University of Minnesota General College

STAGE OF DEVELOPMENT: Pilot

LENGTH OF PROGRAM: 1 year

CURRICULUM DESCRIPTION: The program is undergoing some changes. Presently courses include: Medical Terminology, Laboratory Procedure, Care and Consideration of Patients, Catheterization, Physical Aspects of a Urology Suite, Procedures in the Urology Suite, Urological Instruments, Supplies and Maintenance, Radiology, Urological Patient on the Ward, and Miscellaneous Items. Once the program is revised, courses may include: Biological Science, Mathematics, Social Science, Physical Science, and Writing.

CREDENTIAL AWARDED: Presently a certificate is awarded. If proposed program changes take place, an Associate of Arts Degree will also be awarded.

MINIMUM REQUIREMENTS: High School graduate or equivalent, at least 3 years experience in a medical setting.

ADDITIONAL PREFERRED REQUIREMENTS: Personal interviews, good health, good moral qualities

NUMBER OF STUDENTS ENROLLED: 4

NUMBER OF STUDENTS GRADUATED: 5

FINANCIAL AID: Stipends are offered during training

PROGRAM TITLE: Physician's Assistant

TITLE OF GRADUATES: Physician's Assistant

INSTITUTION: U.S. Medical Center
Springfield, Missouri 65802

PROGRAM DIRECTORS: John Manire
Willard Akers

AFFILIATED INSTITUTION: City Health Clinic

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 Years

CURRICULUM DESCRIPTION: Courses include didactic and clinical instruction in: Diagnosis, Treatment and Evaluation, Out-Patient Department, Specialty Clinic, Pharmacology Medical Terminology, Medical Records, Sciences, Orthotics and Prosthetics, Dental, Physical Therapy Medical, Surgical and Psychiatric Nursing, Recovery Room and Intensive Care Unit, Operating Room Techniques, Hospital and Safety Sanitation, Psychiatry, Radiology, Electrocardiology, Electroencephalography, Clinical Laboratory, Nutrition and Diet Therapy, and Central Service.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: High School Diploma
3 years experience in the medical field

ADDITIONAL PREFERRED REQUIREMENTS: None specified

NUMBER OF STUDENTS ENROLLED: 13

NUMBER OF STUDENTS GRADUATED: 20

FINANCIAL AID: Jobs are available

PROGRAM TITLE: MEDEX

TITLE OF GRADUATES: Medex

INSTITUTION: Dartmouth Medical School
P.O. Box 146
Hanover, New Hampshire

PROGRAM DIRECTORS: Nicholas Danforth, M.D.
Bella Strauss, M.D.
Cornelis Ploeg

AFFILIATED INSTITUTIONS: Mary Hitchcock Memorial Hospital
Mary Hitchcock Clinic
Veterans Administration Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 1 year, 3 months

CURRICULUM DESCRIPTION: The first three months of the program are spent in didactic learning situations. Course areas include: Psychiatry, Data Acquisition, Physical Diagnosis, Surgery, Pediatrics, Medicine, and Interdisciplinary Topics. The final 12 months are spent working with a preceptor in a practice setting.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Former military corpsmen or associated health personnel. Specific guidelines for acceptance have not been established.

ADDITIONAL PREFERRED REQUIREMENTS: Not established

NUMBER OF STUDENTS ENROLLED: 23

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Stipends are offered

PROGRAM TITLE: Medical Services Assistant Program

TITLE OF GRADUATES: Medical Services Assistant

INSTITUTION: Brooklyn - Cumberland Medical Center
121 De Kalb Avenue
Brooklyn, New York 11201

PROGRAM DIRECTOR: Arnold Lewis, M.D.

AFFILIATED INSTITUTION: Long Island University - Brooklyn Center

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years (summers included)

CURRICULUM DESCRIPTION: Courses during the first year are: Biology, Chemistry, English, Medical Science, Humanities Elective. Courses during the second year include: Mathematics, Sociology, Biology, Speech, Medical Science, Psychology, Chemistry, and Medical Science. The summer of the second year is spent in clinical rotations.

CREDENTIAL AWARDED: Associate in Applied Science Degree

MINIMUM REQUIREMENTS: High school diploma or equivalent, SAT or ACT test results, two character references, school transcripts, personal interview

ADDITIONAL PREFERRED REQUIREMENTS: None specified

NUMBER OF STUDENTS ENROLLED: 47

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Loans and stipends are available

PROGRAM TITLE: Medical Emergency Technology

TITLE OF GRADUATES: Medical Emergency Technician

INSTITUTION: Borough of Manhattan Community College
134 West 51 Street
New York, New York 10020

PROGRAM DIRECTORS: Dr. Blanche Ried
Prof. Franklin Fitz

AFFILIATED INSTITUTIONS: Beekman Downtown Hospital
Roosevelt Hospital
Columbia - Presbyterian Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: Semester I:
English Composition, Sociology, Mathematics,
Anatomy and Physiology, Medical Emergency
Technology

Semester II:
English Composition, Developmental Psychology,
Anatomy and Physiology, Medical Emergency
Technology

Semester III:
Microbiology, Medical Emergency Technology,
Music or Art, Physical Education

Semester IV:
Speech, Spanish Conversation, Medical
Emergency Technology, Social Problems

CREDENTIAL AWARDED: Associate in Applied Science Degree

MINIMUM REQUIREMENTS: High school diploma or equivalent

ADDITIONAL PREFERRED REQUIREMENTS: At least one year of high school science

NUMBER OF STUDENTS ENROLLED: 30

NUMBER OF STUDENTS GRADUATED: 41

FINANCIAL AID: Loans, scholarships and jobs are available

PROGRAM TITLE: Marine Physician Assistant Training School

TITLE OF GRADUATES: Marine Physician Assistant

INSTITUTION: U.S. Public Health Service Hospital
Staten Island, New York 10304

PROGRAM DIRECTORS: James H. Hensley
Ronald Haberberger

AFFILIATED INSTITUTION: St. Vincent's Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 9 months

CURRICULUM DESCRIPTION: Areas of coursework include: Anatomy and Physiology, Environmental Health and Preventive Medicine, Medical and Surgical Conditions, Patient Care, Pharmacology, Clinical Laboratory, First Aid, Marine Physician Assistant Responsibilities, Practical Experiences in Surgical Techniques.

CREDENTIAL AWARDED: Certificate from the Public Health Service.
License from U.S. Coast Guard

MINIMUM REQUIREMENTS: High school graduate or equivalent

ADDITIONAL PREFERRED REQUIREMENTS: Former military corpsmen

NUMBER OF STUDENTS ENROLLED: 39

NUMBER OF STUDENTS GRADUATED: 112

FINANCIAL AID: Tuition is free

PROGRAM TITLE: Orthopedic Assistant

TITLE OF GRADUATES: Orthopedic Assistant

INSTITUTION: U. S. Public Health Service Hospital
Staten Island, New York 10304
and
Staten Island Community College
Staten Island, New York 10301

PROGRAM DIRECTORS: James H. Hensley
U. S. Public Health Service Hospital

Norma Chernok, Professor
Staten Island Community College

AFFILIATED INSTITUTIONS: Albert Einstein College of Medicine
New York Medical College, N.Y.C.
Columbia - Presbyterian Medical Center, N.Y.C.
New York University School of Medicine, N.Y.C.

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years, 3 months

CURRICULUM DESCRIPTION: Courses include: Communication Skills, Human Biology, Techniques of Patient Care, Mathematical Analyses, Hygiene, Advanced Safety Service, Physical Education, Introduction to Physical Therapy, Emergency Room Techniques, Psychology, Sociology, Cast and Traction Application, Orthopedic Diseases and Injuries, Bacteriology, Office Procedures and Care of Supplies and Equipment, Operating Room Techniques, Principles of Prosthetics and Orthotics, and Guided Electives.

CREDENTIAL AWARDED: A.A. Degree and Certification by The American Academy of Orthopaedic Surgeons

MINIMUM REQUIREMENTS: High School graduate or equivalent

ADDITIONAL PREFERRED REQUIREMENTS: The program is directed at returning veterans who have had some paramedical training in the Military Service. Also the underemployed individual from the community will be considered.

NUMBER OF STUDENTS ENROLLED: 33

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Scholarships, loans, jobs, and stipends are available

PROGRAM TITLE: Program for Physician Associates

TITLE OF GRADUATES: Physician Associate

INSTITUTION: School of Allied Health Professions
State University of New York
Stony Brook, New York 11790

PROGRAM DIRECTOR: William De'ak, M.D.

AFFILIATED INSTITUTION: Long Island Jewish Medical Center

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years, 11 months

CURRICULUM DESCRIPTION: Courses include: Basic Sciences - Anatomy, Physiology, Human Chemistry; Health Care - Health Science, Foundations of Medicine, Instrumentation, Community Health, Interdisciplinary Seminar; Behavioral Sciences; Research; Medical Courses; Concentration Track.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: 1) High School graduate or equivalent
2) Ability to succeed in coursework at Junior - Senior college level demonstrated by:
a) 2 years college credit with 'C' or better
b) 2 years college level equivalency exam
c) Other evidence acceptable to faculty
3) Prior working experience in health care
4) Evidence of maturity for physician assistant role.

ADDITIONAL PREFERRED REQUIREMENTS: Minimum 1 year full-time paid working experience in health care

NUMBER OF STUDENTS ENROLLED: 15

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Scholarships and stipends are available

PROGRAM TITLE: Pathology Assistant Training Program

TITLE OF GRADUATES: Pathologist's Assistant

INSTITUTION: Duke University Medical Center
Department of Pathology
Durham, North Carolina 27706

PROGRAM DIRECTORS: Thomas D. Kinney, M.D.
Kenneth R. Broda, M.A.
Duke University Medical Center

Bruce Schlein, M.D.
Roger Bulger, M.D.
Veterans Administration Hospital
Durham, North Carolina 27706

AFFILIATED INSTITUTION: Veterans Administration Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 1 year, 3 months

CURRICULUM DESCRIPTION: Didactic (classroom) courses include: Human Physiology, Human Anatomy, Human Histology, Microbiology, General Pathology, Radiation Safety, Systemic Pathology. Clinical rotations include: Histology, Microbiology, Medical Photography, Autopsy, Pathology, Surgical Pathology.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Selection of students will be made from the following:

1. Graduate (or equivalent) of a 4-year accredited college.
2. Graduate (or equivalent) of a junior college with academic studies
3. High school graduate with at least 2 years experience as a hospital corpsman.

An aptitude test is required.

ADDITIONAL PREFERRED REQUIREMENTS: Past experience in the medical field

NUMBER OF STUDENTS ENROLLED: 6

NUMBER OF STUDENTS GRADUATED: 6

FINANCIAL AID: Stipends are offered

PROGRAM TITLE: Physician's Associate

TITLE OF GRADUATES: Physician's Associate, P.A.

INSTITUTION: Duke University Medical Center
Box 2914-CHS
Durham, North Carolina 27706

PROGRAM DIRECTORS: D. Robert Howard, M.D.
David E. Lewis, M.A.

AFFILIATED INSTITUTION: None

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: Basic Science Courses include: Analysis of Health Systems Development, Anatomy and Physiology, Chemical Biology and Pharmacology, Clinical Diagnosis, Objective Medicine, Clinical Medicine, Patient Evaluation, Human Growth and Development. The Clinical Curriculum consists of 36 weeks of required clinical rotations and 24 weeks of elective clinical rotations. Required rotations include: Inpatient Service, Outpatient/Emergency Service, Intensive Care Service, Health Clinic Service, Outside Physician, and Library Research.

CREDENTIAL AWARDED: Certificate. There may also be a possibility of earning a Bachelor of Health Sciences Degree.

MINIMUM REQUIREMENTS: High school diploma or equivalent, one year of direct patient contact, minimum SAT combination scores of verbal and math. portions - 800.

ADDITIONAL PREFERRED REQUIREMENTS: 2 years of college, minimum age of 21 years

NUMBER OF STUDENTS ENROLLED: 43

NUMBER OF STUDENTS GRADUATED: 42

FINANCIAL AID: Scholarships, loans, jobs, and stipends are available

PROGRAM TITLE: Physician's Assistant Training Program

TITLE OF GRADUATES: Physician's Assistant (with training in a specialty area)

INSTITUTION: Bowman Gray School of Medicine of Wake Forest University
300 South Hawthorne Road
Winston-Salem, North Carolina 27103

PROGRAM DIRECTORS: Lee Powers, M.D.
Katherine H. Anderson, M.D.
1990 Beach Street
Winston-Salem, North Carolina 27103

AFFILIATED INSTITUTIONS: Forsyth Memorial Hospital
V. A. Hospital
Reynolds Memorial Hospital
Winston-Salem Comprehensive Health Program

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: During Phase I, courses include: Anatomy and Physiology, Pathology, Medical Terminology, Health Services and Ethics, Clinical Laboratory Procedures, Pharmacology, Medical Instrumentation, Clinical Application, Interviewing and Counseling Techniques Human Development, First Aid and Emergencies, Medical Records and Use of Computers. During Phase II, the student may concentrate his clinical training in one of five specialties: Pediatrics, Family Practice, Internal Medicine, Obstetrics, or Surgery. During Phase III, the student receives more intense training in his/her specialty, and spends time in a practicing physician's office.

CREDENTIAL AWARDED: Certificate; B.S. if applicant has 3 years of acceptable college credit.

MINIMUM REQUIREMENTS: High school and 2 years of college credit, or training and 3 years of experience as a medical corpsman. Minimum SAT combined score of 800

ADDITIONAL PREFERRED REQUIREMENTS: In the case of medical corpsmen, one or more years of college credit and experience as an independent duty medical corpsman

NUMBER OF STUDENTS ENROLLED: 20

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Scholarships, loans and jobs are available

PROGRAM TITLE: MEDEX
TITLE OF GRADUATES: Medex
INSTITUTION: University of North Dakota Medical School
1600 University Avenue
Grandforks, North Dakota 58201
PROGRAM DIRECTOR: Gerald R. Bassett, M.D., M.P.H.
AFFILIATED INSTITUTION: State Medical Association
STAGE OF DEVELOPMENT: Operational
LENGTH OF PROGRAM: 1 year, 3 months
CURRICULUM DESCRIPTION: Three months of intensive didactic and clinical training at the medical school followed by a 12 month preceptorship with a primary care physician
CREDENTIAL AWARDED: Certificate
MINIMUM REQUIREMENTS: Prefer former independent duty corpsmen
ADDITIONAL PREFERRED REQUIREMENTS: None stated
NUMBER OF STUDENTS ENROLLED: 22
NUMBER OF STUDENTS GRADUATED: None to date
FINANCIAL AID: Salaries are available

PROGRAM TITLE: Surgical Assistant

TITLE OF GRADUATES: Surgical Assistant

INSTITUTION: Cincinnati Technical Institute
3520 Central Parkway
Cincinnati, Ohio 45223

PROGRAM DIRECTORS: Mrs. Nancy Walters
Cincinnati Technical Institute

Dr. John J. Cranley
Good Samaritan Hospital
311 Howell Avenue
Cincinnati, Ohio

AFFILIATED INSTITUTIONS: St. Frances Hospital
Good Samaritan Hospital
Deaconess Hospital

STAGE OF DEVELOPMENT: Operational Planning

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: Courses include: Chemistry, Anatomy and Physiology, Laboratory Techniques, Survey of the Medical Profession, Introduction to Surgery, Communication Skills, Mathematics, Principles of Surgical Assisting, Pharmacology, Microbiology, Technical Writing, Economics, Sociology, Pathology, Effective Speaking, Human Relations, Physics, Emergency Procedures, Surgical Seminar, and Cooperative Employment.

CREDENTIAL AWARDED: Associate of Science Degree

MINIMUM REQUIREMENTS: High school diploma or equivalent

ADDITIONAL PREFERRED REQUIREMENTS: Background in science (Chemistry, Math)
Military corpsman experience
Experience in related health field

NUMBER OF STUDENTS ENROLLED: 27

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Scholarships, loans and jobs are available.
Salaries are offered during training.

PROGRAM TITLE: Urologic Associates Program

TITLE OF GRADUATES: Urologic Associate

INSTITUTION: University of Cincinnati Medical Center
Division of Urology
234 Goodman Avenue
Cincinnati, Ohio 45229

PROGRAM DIRECTOR: Arthur T. Evans, M.D.

AFFILIATED INSTITUTION: Christ Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 24 months

CURRICULUM DESCRIPTION: The first nine months of this program are devoted primarily to didactic instruction. During three 12-week quarters, students take the following clinically-oriented courses: Biochemistry, Anatomy, Physiology, Microbiology, Pathology, Pharmacology, Histology, Physical Evaluation and Diagnosis, Urology, History, Ethics of Medicine, Radiology and Psychiatry. The last 15 months are devoted to clinical instruction in urology and closely related fields. Students spend time in endoscopic suite, the urologic in-patient and out-patient services, and surgery, and may elect rotations on certain related services or in a private urologic practice per arrangement with the director.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: High school diploma or equivalent. At least 3 years of medical experience or 2 years of college

ADDITIONAL PREFERRED REQUIREMENTS: 4 years of college with emphasis on scientific disciplines. A successful medical work experience

NUMBER OF STUDENTS ENROLLED: 15

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Undetermined

PROGRAM TITLE: Undergraduate Anesthesia Program
TITLE OF GRADUATES: Physician's Assistant
INSTITUTION: Case Western Reserve University School
of Medicine
2119 Abington Road
Cleveland, Ohio 44106
PROGRAM DIRECTORS: J.S. Gravenstein, M.D.
F. Rhoton
2065 Adelbert Road
Cleveland, Ohio 44106
AFFILIATED INSTITUTIONS: Metropolitan General Hospital
Marymount Hospital
Lakewood Hospital
Huron Road Hospital
Cleveland Clinic
St. Luke's Hospital
STAGE OF DEVELOPMENT: Operational
LENGTH OF PROGRAM: 4 years
CURRICULUM DESCRIPTION: Courses include: English, Biology, Physics,
Chemistry, Health Science, Clinical
Practice, and Electives.
CREDENTIAL AWARDED: B.S. Degree in Health Sciences and
Certificate as Associate in
Anesthesiology
MINIMUM REQUIREMENTS: Requirements for admission to Case Western
University
**ADDITIONAL PREFERRED
REQUIREMENTS:** None specified
**NUMBER OF STUDENTS
ENROLLED:** 24
**NUMBER OF STUDENTS
GRADUATED:** None to date
FINANCIAL AID: Scholarships, loans and jobs are available

PROGRAM TITLE: Clinical Corpsman Training Program

TITLE OF GRADUATES: Clinical Corpsman

INSTITUTION: Cleveland Clinic Educational Foundation
2020 East 93rd Street
Cleveland, Ohio 44106

PROGRAM DIRECTORS: D.G. Vidt, M.D.
James E. Zucker

AFFILIATED INSTITUTION: Cuyahoga Community College

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 1 year (may be extended to 2 years)

CURRICULUM DESCRIPTION: Courses taken at the community college include: Principles of Medical Science, Anatomy and Physiology, Microbiology. Major areas of clinical emphasis include: Special Techniques and Instrumentation, Introduction to Medicine and Surgery, and Pharmacy and Therapeutics.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: High school diploma or equivalent, at least 2 years civilian or military health related experience, satisfactory performance on the ACT, good physical health

ADDITIONAL PREFERRED REQUIREMENTS: Some college work, courses in physical and natural sciences

NUMBER OF STUDENTS ENROLLED: 15

NUMBER OF STUDENTS GRADUATED: 21

FINANCIAL AID: Salaries are offered during training

PROGRAM TITLE: Surgical Assisting
TITLE OF GRADUATES: Surgical Assistant
INSTITUTION: Cuyahoga Community College-Western Campus
 7300 York Road
 Parma, Ohio 44130
PROGRAM DIRECTOR: Mr. Jim D. Burnette
AFFILIATED INSTITUTIONS: Lakewood Hospital
 Pending approval:
 Deaconess hospital
 Parma Hospital
 Southwest General Hospital
 Kaiser Foundation
STAGE OF DEVELOPMENT: Operational
LENGTH OF PROGRAM: 22 months
CURRICULUM DESCRIPTION: Courses include: Introduction to Surgical Assisting, Surgical Instruments, Surgical Assisting Techniques, Surgical Assisting Procedures, Surgical Assisting Clinical Applications, Advanced Surgical Assisting Procedures, English, Health and Physical Education, Anatomy and Physiology, Health Technologies, Medical Terminology, Microbiology, Physics, Social Science, Anthropology or Sociology, Social Science or Math, Ethics for Health Technology, and Psychology.
CREDENTIAL AWARDED: Associate Degree in Science
MINIMUM REQUIREMENTS: High school graduate or GED, maintenance of a "C" average while in the program
ADDITIONAL PREFERRED REQUIREMENTS: Medical corpsman or other medical experience
NUMBER OF STUDENTS ENROLLED: 35
NUMBER OF STUDENTS GRADUATED: None to date
FINANCIAL AID: Scholarships, loans, and jobs are available. Salaries are offered during training.

PROGRAM TITLE: Physician's Associate

TITLE OF GRADUATES: Physician's Associate

INSTITUTION: University of Oklahoma Medical Center
School of Health
800 N.E. 13th Street
Oklahoma City, Oklahoma 73104

PROGRAM DIRECTORS: Thomas N. Lynn, M.D.
Bill Stanhope, P.A.
William Horsley, M.D.

AFFILIATED INSTITUTION: Veterans Administration Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: The training consists of a 10-month didactic and 14-month clinical period. Courses include: Gross Anatomy, Ethics of Medical Practice, Health Care Systems, Backgrounds for Clinical Chemistry, Medical Terminology, Behavior Dynamics, Animal Surgery, Introduction to Radiology, Patient Evaluation, Introduction to Clinical Medicine, Data Processing, Clinical Bacteriology, Clinical Laboratory, Introduction to Pharmacology, Gross Pathology, and Allied Physiology. Clinical rotations are in: Coronary Care Unit-Intensive Care Unit, Pulmonary Disease Service, General Medicine, General Surgery, Outpatient-Emergency Room, Preceptorship, and 2 Electives.

CREDENTIAL AWARDED: Bachelor of Health Degree

MINIMUM REQUIREMENTS: 60 previous hours of transferable college credit. Two years of personal health delivery experience.

ADDITIONAL PREFERRED REQUIREMENTS: None specified

NUMBER OF STUDENTS ENROLLED: 9

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Loans are available

PROGRAM TITLE: Physician Assistant in Family Practice
TITLE OF GRADUATES: Physician's Assistant
INSTITUTION: University of Oregon Medical School
3181 S.W. Sam Jackson Park Road
Portland, Oregon 97201
PROGRAM DIRECTOR: Laurel G. Case, M.D., Director
Division of Family Practice
3171 S.W. Sam Jackson Park Road
Portland, Oregon 97201
AFFILIATED INSTITUTION: Providence Hospital
STAGE OF DEVELOPMENT: Pilot Planning
LENGTH OF PROGRAM: 1 year, 3 months
CURRICULUM DESCRIPTION: Not yet finalized
CREDENTIAL AWARDED: Certificate
MINIMUM REQUIREMENTS: Registered Nurse (Diploma or Baccalaureate)
or ex-independent duty experience corpsman
ADDITIONAL PREFERRED REQUIREMENTS: Motivation for family practice in area of
need
NUMBER OF STUDENTS ENROLLED: Information not available
NUMBER OF STUDENTS GRADUATED: None
FINANCIAL AID: Jobs will be available. Availability of additional
financial aid not determined at this time.

PROGRAM TITLE: Mental Health Technology Program

TITLE OF GRADUATES: Mental Health Technologist

INSTITUTION: Hahnemann College of Allied Health Sciences
235 N. 15th Street
Philadelphia, Pennsylvania 19102

PROGRAM DIRECTORS: Paul J. Fink, M.D.
249 N. Broad Street
Philadelphia, Pennsylvania 19107

Hugh Rosen
314 N. Broad Street
Philadelphia, Pennsylvania 19102

AFFILIATED INSTITUTION: None

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: Courses include: Therapeutic Modalities and the Mental Health Technologist, Introduction to Mental Health, Orientation to Group Therapy, Individual Human Development, Anatomy and Physiology, Psychopathology, The Individual, Society, and Culture, Marriage and Family Dynamics, Anthropological Psychiatry, Culture and Community Problems, Introduction to Medical Statistics, Clinical Case Seminar, Mental Health Technology in Perspective, Professional Journal and Research Seminar, Family Seminar, Social Welfare Perspectives, Psychopharmacology Seminar, Practicum in Mental Health Technology.

CREDENTIAL AWARDED: B.S. Degree

MINIMUM REQUIREMENTS: 60 academic college credits: 6 credit hours of basic English; 6 credit hours of advanced English; 3 credit hours of mathematics; 6 credit hours of biology; 6 credit hours of chemistry, physics, psychology, sociology, or anthropology; 6 credit hours of history, political science, or economics; 6 credit hours of art history, philosophy, or logic; 21 credit hours of electives.

ADDITIONAL PREFERRED REQUIREMENTS: High level of industry, enthusiasm and flexibility

NUMBER OF STUDENTS ENROLLED: 24

NUMBER OF STUDENTS GRADUATED: 2

FINANCIAL AID: Scholarships and loans are available

PROGRAM TITLE: Bachelor of Science in Health Care Sciences and Certificate of Proficiency (Clinical Associate)

TITLE OF GRADUATES: Clinical Associate

INSTITUTION: School of Allied Health Sciences
University of Texas Medical Branch
Galveston, Texas

PROGRAM DIRECTOR: Robert K. Binq, Dean

AFFILIATED INSTITUTION: Information not available

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: The first year consists of 33 semester credits in the allied health sciences core curriculum and 18 credits in fundamentals of clinical associate practice. The second year permits students to select and pursue a specialization in one of the following: Family Medicine, Internal Medicine, Neurosurgery, or Pediatrics.

CREDENTIAL AWARDED: Bachelor of Science Degree
Certificate of Proficiency in Specialization

MINIMUM REQUIREMENTS: Minimum of 60 semester credits in arts and sciences, minimum grade point average of 2.0 on a 4.0 scale, acceptable scores on pre-admission evaluation of mental abilities, personality inventory, personal interview, evidence of good physical and mental health

ADDITIONAL PREFERRED REQUIREMENTS: Information not available

NUMBER OF STUDENTS ENROLLED: 6

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Information not available

PROGRAM TITLE: Utah MEDEX Demonstration Program

TITLE OF GRADUATES: Medex

INSTITUTION: University of Utah College of Medicine
50 North Medical Drive
Salt Lake City, Utah 84113

PROGRAM DIRECTORS: C. Hilmon Castle, M.D.
William M. Wilson

AFFILIATED INSTITUTIONS: Intermountain Regional Medical Program
Utah State Medical Association

STAGE OF DEVELOPMENT: Full Operation Planning

LENGTH OF PROGRAM: 1 year, 3 months

CURRICULUM DESCRIPTION: After training at the medical school for 3 months, the Medex will be assigned for a year to a preceptor who will be a physician in general practice. For these 12 months, he will assist the physician by learning and applying primary care skills under his close supervision.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Former military corpsmen trained to a level of independent performance

ADDITIONAL PREFERRED REQUIREMENTS: Willingness to live and work in small and/or rural communities

NUMBER OF STUDENTS ENROLLED: Information not available

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Stipends are offered during training

PROGRAM TITLE: MEDEX
TITLE OF GRADUATES: Medex
INSTITUTION: University of Washington Medical School
444 N.E. Ravenna Boulevard
Seattle, Washington 98115
PROGRAM DIRECTOR: Richard A. Smith, M.D.
AFFILIATED INSTITUTION: State Medical Association
STAGE OF DEVELOPMENT: Operational
LENGTH OF PROGRAM: 1 years, 3 months
CURRICULUM DESCRIPTION: Three months of intensive didactic and clinical training at the medical school followed by a 12-month preceptorship with a primary care physician.
CREDENTIAL AWARDED: Certificate
MINIMUM REQUIREMENTS: Prefer former independent duty corpsmen
ADDITIONAL PREFERRED REQUIREMENTS: None stated
NUMBER OF STUDENTS ENROLLED: 34 (another class of 17 to begin December, 1971)
NUMBER OF STUDENTS GRADUATED: 14
FINANCIAL AID: Salaries are available

PROGRAM TITLE: Physician's Assistant Program

TITLE OF GRADUATES: Physician's Assistant

INSTITUTION: Alderson-Broadus College
College Hill
Philippi, West Virginia 26416

PROGRAM DIRECTOR: Hu C. Myers, M.D.
112 N. Woods Street
Philippi, West Virginia 26416

AFFILIATED INSTITUTIONS: Broadus Hospital
Myers Clinic
West Virginia University

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 4 years

CURRICULUM DESCRIPTION: Courses include Anatomy and Physiology, Bacteriology and Microbiology, Chemistry, Elementary Analysis, Human Growth and Development, Development in Adulthood, Human Adjustment, History, Philosophy and Ethics of Medicine, Community Medicine, Pharmacology, Pathology, General Considerations in Medicine, Biomedical Physics, Clinical Diagnostic Procedures, History Taking, Diseases Caused by Physical, Chemical and Biological Agents, Diseases of Organs and Systems, Seminar in Medical Science, and 24 semester hours of liberal studies.

CREDENTIAL AWARDED: B.S. Degree

MINIMUM REQUIREMENTS: Graduation from an accredited secondary school, demonstration of good scholarship, high character, and strong motivation. Satisfactory test-data on SAT or ACT. At least 10 (preferably 15) units in college preparatory subjects. Recommendations and a health certificate

ADDITIONAL PREFERRED REQUIREMENTS: Demonstration of interest in the sciences. Qualities of honesty, integrity, and devotion

NUMBER OF STUDENTS ENROLLED: 95

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Scholarships, loans, and jobs are available

DMI

**PROGRAMS FOR
EXTENDING
NURSING ROLES**

PROGRAM TITLE: Pediatric Nurse Associate

TITLE OF GRADUATES: Pediatric Nurse Associate

INSTITUTION:- Good Samaritan Hospital
1033 E. McDowell Road
Phoenix, Arizona 85036

PROGRAM DIRECTORS: David P. Folkestad
Nancy Melvin, R.N.

AFFILIATED INSTITUTION: Maricopa Technical College

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 4 months

CURRICULUM DESCRIPTION: Courses include: Pediatric Health History and Physical Examination, Physical and Psycho-Social Growth and Development, Sensory Development and Problems, Community Health Concepts and Agencies, Family Nutrition, Clinical Problems of Children, Emergencies, Laboratory, Common Problems of Child Care, Role Reorientation and "System Change." Demonstration and Clinical Experience include: Infant Examination in Newborn Nursery, Well Baby Clinics, Community Child Care Clinics, Pediatric Ward Rounds, Specialty Clinics, Sick Child Clinics, Laboratory, Case Presentations

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Registered Nurses with interest and experience in pediatrics. Both B.A. and Diploma graduates

ADDITIONAL PREFERRED REQUIREMENTS: None specified

NUMBER OF STUDENTS ENROLLED: 4

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: No financial assistance available

PROGRAM TITLE: Family Nurse Practitioner Program

TITLE OF GRADUATES: Family Nurse Practitioner

INSTITUTION: University of California, Davis
School of Medicine
Department of Family Practice
Davis, California 95616

PROGRAM DIRECTORS: Jean G. French, Dr. P.H.
Constance Roth
Robert Taines, M.D.

AFFILIATED INSTITUTIONS: Alameda County Medical Institution
University of California, School of Public
Health, Berkeley
California State Department of Health,
Bureau of Nursing

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 1 year, 6 months

CURRICULUM DESCRIPTION: Required courses include: Fundamentals of
Medicine and Seminar for Family Nurse
Practitioners. Electives include:
Epidemiology, Statistics, and others in the
area of physical and social sciences.

CREDENTIAL AWARDED: Master's Degree

MINIMUM REQUIREMENTS: Baccalaureate degree in nursing with an
acceptable grade point average.
Minimum of two years community-focused
nursing experience.
Two letters of recommendation from former
employers.

**ADDITIONAL PREFERRED
REQUIREMENTS:** The nurse should have demonstrated her/his
nursing abilities and be secure and innovative,
comfortable with responsibility, capable of
independent decision making, have an inquiring
mind and interest in clinical medicine, and be
committed to giving high quality care.

**NUMBER OF STUDENTS
ENROLLED:** Approximately 45

**NUMBER OF STUDENTS
GRADUATED:** None to date

FINANCIAL AID: Loans and stipends are available

PROGRAM TITLE: Clinical Education of School Nurse Practitioner

TITLE OF GRADUATES: School Nurse

INSTITUTION: Children's Health Center
8001 Frost Street
San Diego, California 92123

PROGRAM DIRECTORS: David Chadwick, M.D.
J. Edmund Bradley, M.D.

AFFILIATED INSTITUTION: University Hospital of San Diego

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 6 weeks

CURRICULUM DESCRIPTION: There is a total of 90 hours of formal instruction

CREDENTIAL AWARDED: None at present

MINIMUM REQUIREMENTS: B.S. in nursing and credential to serve as a school nurse in California

ADDITIONAL PREFERRED REQUIREMENTS: Ability to work effectively with students, parents and school personnel. Mature judgement and ability to exercise individual initiative. Evidence of flexible adaptive personality and ability to exercise patience and tact.

NUMBER OF STUDENTS ENROLLED: 4

NUMBER OF STUDENTS GRADUATED: 4

FINANCIAL AID: Salaries are provided by the employing school system

PROGRAM TITLE: Pediatric Nurse Practitioner Program

TITLE OF GRADUATES: Pediatric Nurse Practitioners

INSTITUTION: University of Colorado Medical Center
School of Nursing
Division of Continuing Education
4200 E. 9th Avenue
Denver, Colorado 80220

PROGRAM DIRECTOR: Elda S. Popiel, R.N.

AFFILIATED INSTITUTION: None

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 4 months

CURRICULUM DESCRIPTION: The focus of study is the well child in the family, school, and community setting. The two areas of study: "Evaluation of Child Health," and "The Nurse's Role In Community Child Health." Specific instruction is given in: Physical Examination, Pediatric Health History and Interviewing, Psycho-social Development, Common Problems, Speech Development, Family Nutrition, and Screening Procedures. In the first 8 weeks, practice is given in: Infant Examination, Use of Instruments, Well Baby Clinic, Ward Rounds, Head Start Child Evaluation, Dermatology, Pediatric Cardiology, Common Problems, Child Development, and others. In the last 8 weeks, practice is in: Community Child Care Clinics, Attendance in Specialty Clinics, Ward Rounds, Case Presentations, Community Project, and Laboratory.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Graduation from a National League of Nurses accredited Baccalaureate program, employment in a setting concerned with health of children and their families in the community, and availability for the entire educational program.

ADDITIONAL PREFERRED REQUIREMENTS: Completion of application, two letters of reference, and an educational transcript; availability for personal or telephone interview; if sponsored by an agency or institution, commitment for sponsorship during the program and plans for implementing the nurses's expanded knowledge in the home agency.

NUMBER OF STUDENTS ENROLLED: 10

NUMBER OF STUDENTS GRADUATED: 70

FINANCIAL AID: No financial aid available from the University

PROGRAM TITLE: School Nurse Practitioner

TITLE OF GRADUATES: School Nurse Practitioner

INSTITUTION: University of Colorado, School of Medicine
4200 E. 9th Avenue
Denver, Colorado 80220

PROGRAM DIRECTORS: Henry K. Silver, M.D.
Nancy Nelson, M.D.
Elda Popiel, R.N.

AFFILIATED INSTITUTIONS: Denver Public Schools
Denver General Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 4 months

CURRICULUM DESCRIPTION: Courses are in areas of Nursing and Education,
and include both clinical and didactic portions

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Bachelor of Science in Nursing and R.N.
Two letters of personal reference and two
letters of professional reference.
A cooperating school system which has made
formal agreement to employ the nurse following
this experience. An established plan whereby
the nurse will have available medical backup
when she returns to the school setting.
Completion of application, and availability for
personal or telephone interview.

**ADDITIONAL PREFERRED
REQUIREMENTS:** Priority will be given to school nurses who
are from school districts which will assume
a significant portion of the economic
responsibility for the nurse's education.

**NUMBER OF STUDENTS
ENROLLED:** 4

**NUMBER OF STUDENTS
GRADUATED:** 4

FINANCIAL AID: Scholarships and stipends are available.

PROGRAM TITLE: Pediatric Nurse Associate Program

TITLE OF GRADUATES: Pediatric Nurse Associates

INSTITUTION: University of Connecticut, School of Nursing
School of Medicine
Hartford Plaza
Hartford, Connecticut 06105

PROGRAM DIRECTORS: Louis I. Hochheiser, M.D.
Lynne Schilling, R.N., M.N.

University of Connecticut Health Center
2 Holcomb Street
Hartford, Connecticut 06112

AFFILIATED INSTITUTIONS: Hartford Hospital
Hartford Health Department

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 1 semester

CURRICULUM DESCRIPTION: Course areas include: Approach to Health Care,
Growth and Development, Child as Family and
Community Member, Physical Evaluation, Preventive
Counseling, the Ill Child

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: B.S. Degree in Nursing, experience in Child Health
Care or equivalent

ADDITIONAL PREFERRED REQUIREMENTS: None

NUMBER OF STUDENTS ENROLLED: 7

NUMBER OF STUDENTS GRADUATED: 7

FINANCIAL AID: No financial aid is available

PROGRAM TITLE: Pediatric Nurse Practitioner Program

TITLE OF GRADUATES: Pediatric Nurse Practitioner

INSTITUTION: Yale University, School of Nursing
333 Cedar Street
New Haven, Connecticut 06510

PROGRAM DIRECTORS: T.F. Dolan, M.D.
K. Nuckolls, R.N., Ph.D.

AFFILIATED INSTITUTION: None

STAGE OF DEVELOPMENT: Pilot Testing

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: The curriculum is still in the process of development. Presently, it consists of:

1. Two 1 1/2 hour didactic clinical sessions weekly for 32 weeks
2. Weekly seminars in growth and development, approximately 3 hours a week for 30 weeks
3. Weekly sessions with a social worker, 1 hour a week for 30 weeks
4. Weekly sessions in an encounter group to discuss interviewing techniques for 1 semester, 1 hour a week, approximately 16 hours
5. Initial 6 or 8 weeks, 12 hours weekly devoted to clinical sessions learning and developing clinical skills, followed by 12 hours of clinical experience supervised by faculty

CREDENTIAL AWARDED: Master's Degree

MINIMUM REQUIREMENTS: B.A. in nursing, preferably with public health experience

ADDITIONAL PREFERRED REQUIREMENTS: Interest in community problems

NUMBER OF STUDENTS ENROLLED: 3

NUMBER OF STUDENTS GRADUATED: 4

FINANCIAL AID: No financial aid available

PROGRAM TITLE: Comprehensive Nurse Clinician
TITLE OF GRADUATES: Nurse Clinician
INSTITUTION: University of Delaware
 Newark, Delaware 19711
PROGRAM DIRECTOR: Mary K. Carl, Ph.D., R.N.
 Dean, College of Nursing
AFFILIATED INSTITUTION: None Stated
STAGE OF DEVELOPMENT: Operational
LENGTH OF PROGRAM: 2 years
CURRICULUM DESCRIPTION: Courses include: Maternal and Child Nursing,
 Concepts of Maternal and Child Health,
 Statistics, Nursing of Children, Research
 methods in Nursing, Seminar in Nursing,
 Thesis, Special Problems in Nursing,
 Seminar and Practicum An Implementation
 and Functional Role of Nursing, Thesis,
 Minor Courses.
CREDENTIAL AWARDED: Master's Degree
MINIMUM REQUIREMENTS: Graduate of NLN accredited baccalaureate
 program in nursing. Completion of an
 undergraduate nursing curriculum similar to
 that of the University of Delaware. Registration
 as a professional nurse.
**ADDITIONAL PREFERRED
 REQUIREMENTS:** None specified
**NUMBER OF STUDENTS
 ENROLLED:** 7
**NUMBER OF STUDENTS
 GRADUATED:** None to date
FINANCIAL AID: Not specified

PROGRAM TITLE: Pediatric Nurse Associate Program

TITLE OF GRADUATES: Pediatric Nurse Associates (PNA's)

INSTITUTION: Rush Presbyterian - St. Luke's Medical Center
1753 W. Congress Parkway
Chicago, Illinois 60612

PROGRAM DIRECTORS: Iris Shannon
Dr. Joseph Christian
Rush Presbyterian - St. Luke's Medical Center

AFFILIATED INSTITUTIONS: Mile Square Health Center
Infant Welfare Society

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 16 weeks, 16 hours per week

CURRICULUM DESCRIPTION: There are 4 hours of didactic and 12 hours of clinical practice per week. The general subject areas of the curriculum are as follows:
Family, Community, and Other Factors Affecting Health; Counseling and Interviewing; Growth and Development; Well Child Supervision; Childhood Problems; Pediatric Assessment Process.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: R.N. Licensure, currently practicing in ambulatory pediatric setting

ADDITIONAL PREFERRED REQUIREMENTS: Understanding and willingness to accept and function in a new role

NUMBER OF STUDENTS ENROLLED: 6

NUMBER OF STUDENTS GRADUATED: 6

FINANCIAL AID: Scholarships are available

PROGRAM TITLE: Nurse Associate Training Program

TITLE OF GRADUATE: Nurse Associate

INSTITUTION: Evanston Hospital
2650 Ridge Avenue
Evanston, Illinois 60201

PROGRAM DIRECTOR: H. Philipsborn, M.D.

AFFILIATED INSTITUTION: None

STAGE OF DEVELOPMENT: Pilot Planning (To begin operation
September, 1971)

LENGTH OF PROGRAM: 6 Months

CURRICULUM DESCRIPTION: None Stated

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: R.N. and B.S. in Nursing or Equivalent

**ADDITIONAL PREFERRED
REQUIREMENTS:** None Specified

**NUMBER OF STUDENTS
ENROLLED:** None to date

**NUMBER OF STUDENTS
GRADUATED:** None

FINANCIAL AID: Stipends are offered

PROGRAM TITLE: A Graduate Major in Nursing of Children
TITLE OF GRADUATES: None specified
INSTITUTION: University of Iowa
Iowa City, Iowa 52440
PROGRAM DIRECTOR: June L. Triplett
College of Nursing
AFFILIATED INSTITUTION: None indicated
STAGE OF DEVELOPMENT: Operational
LENGTH OF PROGRAM: 3 semesters
CURRICULUM DESCRIPTION: Courses include: Advanced Nursing of Children,
Methodology of Nursing Research, Research in
Nursing, Issues in Nursing, Electives, Thesis.
CREDENTIAL AWARDED: Master's degree
MINIMUM REQUIREMENTS: B.N., B.S. in Nursing (including courses in
Public Health Nursing)
**ADDITIONAL PREFERRED
REQUIREMENTS:** None specified
**NUMBER OF STUDENTS
ENROLLED:** 10
**NUMBER OF STUDENTS
GRADUATED:** 2
FINANCIAL AID: Some traineeships are available.

PROGRAM TITLE: Family Nurse Training Program

TITLE OF GRADUATES: Family Nurses

INSTITUTION: Frontier Nursing Service
Hyden, Kentucky 41749

PROGRAM DIRECTORS: Gertrude Isaacs, D.N. Sc.
W.B. Rogers Beasley, M.D.

AFFILIATED INSTITUTIONS: University of Kentucky
Vanderbilt University, School of Nursing

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 1 year

CURRICULUM DESCRIPTION: Courses include: Diagnosis and Management of Common Health Problems, Family Health -- Assessment and Guidance, Management of Prenatal and Postnatal Care, Family Planning, Child Care, Intrapartal Care, Gynecological and Obstetrical Problems, Management of Newborn, Independent Study, Community Health Problems, District Management, Management of Clinical Problems, Family Dynamics and Communications.

CREDENTIAL AWARDED: Certificate. Affiliation with University for baccalaureate degree being sought

MINIMUM REQUIREMENTS: R.N., preferably with one year experience. May be a graduate of A.D., diploma, or baccalaureate program in nursing. Personal qualification, commitment, and ability to make sound professional judgements.

ADDITIONAL PREFERRED REQUIREMENTS: None specified

NUMBER OF STUDENTS ENROLLED: 12

NUMBER OF STUDENTS GRADUATED: 256

FINANCIAL AID: No information

PROGRAM TITLE: Pediatric Nurse Associate Program

TITLE OF GRADUATES: Pediatric Nurse Associate

INSTITUTION: University of Maine
96 Falmouth Street
Portland, Maine 04103

PROGRAM DIRECTORS: George W. Hallett, M.D.
Margaret Howard, R.N.
Maine Medical Center
22 Bramhall Street
Portland, Maine 04102

AFFILIATED INSTITUTION: Maine Medical Center

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 16 weeks

CURRICULUM DESCRIPTION: Experiences include the following: Newborn Experience, Experience in Pediatric Ambulatory Setting, Physical Assessment. Courses include: Normal Growth and Development, Interviewing and Counseling, Special Needs of Children, Common Illnesses of Infancy, Common Illnesses of Pre-School Child, Common Illnesses of School Age Child, Common Illness of Adolescence, Management of Injury and Trauma, Role Reorientation

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Licensed Professional Nurse

ADDITIONAL PREFERRED REQUIREMENTS: Experience in Pediatric and/or Public Health Nursing
Position that allows expansion of role

NUMBER OF STUDENTS ENROLLED: 6

NUMBER OF STUDENTS GRADUATED: 12

FINANCIAL AID: Salaries are provided by the agency sponsoring the student

PROGRAM TITLE: Boston College School of Nursing and Harvard Medical School Joint Program - The Macy Program

TITLE OF GRADUATES: Maternity Nursing Clinical Specialists
Pediatric Nursing Clinical Specialists

INSTITUTIONS: Boston College and Harvard Medical School
10 Shattuck Street
Boston, Massachusetts 02115

PROGRAM DIRECTORS: Dr. Howard N. Jacobson
Miss Teresa Chopoorian

AFFILIATED INSTITUTIONS: Boston Hospital for Women
Children's Hospital Medical Center

STAGE OF DEVELOPMENT: Full Operation Planning

LENGTH OF PROGRAM: 2 years

CURRICULUM DESCRIPTION: Not available

CREDENTIAL AWARDED: Master of Science Degree

MINIMUM REQUIREMENTS: Nurse Baccalaureate degree. Meet requirements of the Boston College Graduate School. Minimum one year work experience. Interview.

ADDITIONAL PREFERRED REQUIREMENTS: None

NUMBER OF STUDENTS ENROLLED: Information not available

NUMBER OF STUDENTS GRADUATED: None

FINANCIAL AID: Stipends are offered during training.

PROGRAM TITLE: Pediatric Nurse Practitioner Program

TITLE OF GRADUATES: Pediatric Nurse Practitioner

INSTITUTION: Massachusetts General Hospital and Northeastern University
Boston, Massachusetts

PROGRAM DIRECTORS: Alfred Yankauer, M.D.
John P. Connelly, M.D.
Priscilla M. Andrews, M.S.
Bunker Hill Health Center
73 High Street
Charlestown, Massachusetts 02129

AFFILIATED INSTITUTIONS: Children's Hospital Medical Center
Massachusetts Eye and Ear Infirmary
Kennedy Memorial Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 4 months

CURRICULUM DESCRIPTION: Subjects covered include: The Child, The Family, The Community, Interviewing and Counseling, Patient Management for Comprehensive Care, Nursing Management of Pediatric Health Problems, The Nurse's Changing Role, and a Clinical Practicum.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS:

1. Graduation from a school of nursing approved by the National League for Nursing
2. Possession of a licence to practice as a registered nurse
3. Employed in a comprehensive, ambulatory pediatric practice setting (or firm commitment of employment upon completion of the program)
4. Commitment of employer to allow nurse to function in an expanded role
5. Firm commitment of applicant and employer to applicant's continuing education

ADDITIONAL PREFERRED REQUIREMENTS: None specified

NUMBER OF STUDENTS ENROLLED: 42

NUMBER OF STUDENTS GRADUATED: 58

FINANCIAL AID: Loans are available

PROGRAM TITLE: Health Nurse Clinician Project

TITLE OF GRADUATES: Health Nurse Clinician

INSTITUTION: College of Nursing
Wayne State University
Detroit, Michigan 48202

PROGRAM DIRECTOR: Dawn H. Zagornik

AFFILIATED INSTITUTION: Henry Ford Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF DEVELOPMENT: 2 years

CURRICULUM DESCRIPTION: Courses include: Adult Clinical Nursing, Research in Nursing, Vertebrate Physiology, Field Practice in Adult Clinical Nursing, Clinical Judgment in Nursing, Statistics, Nurse Clinician Role, Nurse Clinician Role in Care of Groups, Seminar in Clinical Nursing, Essay Direction, Nurse Clinician Role in the Community, Seminar in Clinical Nursing.

CREDENTIAL AWARDED: Master's Degree

MINIMUM REQUIREMENTS: Baccalaureate degree in nursing from an N.L.N. accredited program, licensed to practice in Michigan, "B" average.

ADDITIONAL REFERRED REQUIREMENTS: None specified

NUMBER OF STUDENTS ENROLLED: No information

NUMBER OF STUDENTS GRADUATED: No information

FINANCIAL AID: No information

PROGRAM TITLE: Post Baccalaureate Educational Program for Nurses in Ambulatory Child Health Care

TITLE OF GRADUATES: Pediatric Nurse Associate

INSTITUTION: School of Public Health University of Minnesota
1325 Mayo Memorial Building
Minneapolis, Minnesota 55455

PROGRAM DIRECTORS: Alma G. Sparrow, R.N., M.S.
University of Minnesota

Homer Venters, M.D.
St. Paul - Ramsey Hospital
640 Jackson
St. Paul, Minnesota 55101

AFFILIATED INSTITUTIONS: University of Minnesota College of Medicine
St. Paul Ramsey Hospital
Hennepin County General Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 9 Months

CURRICULUM DESCRIPTION: Instruction is given in Foundations of Child Health Assessment and Care, Family Development, Adolescent Psychology, Behavior Problems, and Personality Development.

CREDENTIAL AWARDED: Certificate and Master's Degree

MINIMUM REQUIREMENTS: Baccalaureate degree in nursing from a National League for Nursing accredited program. Public health or pediatric nursing practice experience is preferred. Individual consideration is given to persons who have not graduated from National League for Nursing accredited programs.

ADDITIONAL PREFERRED REQUIREMENTS: None specified

NUMBER OF STUDENTS ENROLLED: Information not available

NUMBER OF STUDENTS GRADUATED: 7

FINANCIAL AID: Scholarships are available and stipends are offered

PROGRAM TITLE: Graduate Major in the Nursing of Children

TITLE OF GRADUATES: Not specified

INSTITUTION: St. Louis University
221 North Grand Boulevard
St. Louis, Missouri 63103

PROGRAM DIRECTOR: Miss Irene I. Riddle

AFFILIATED INSTITUTION: Cardinal Glennon Memorial Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 3 semesters and a summer session

CURRICULUM DESCRIPTION: Courses are in the area of Bio-Behavioral Science, Research Methodology, Clinical Major, Electives, and a functional component. Functional component includes: Seminar Practicum in the Teaching of Nursing, or Seminar and Practicum in the Supervision of Nursing.

CREDENTIAL AWARDED: Master's degree

MINIMUM REQUIREMENTS: Information not available

ADDITIONAL PREFERRED REQUIREMENTS: Information not available

NUMBER OF STUDENTS ENROLLED: 7

NUMBER OF STUDENTS GRADUATED: None to date

FINANCIAL AID: Information not available

PROGRAM TITLE: Pediatric Nurse Practitioner Training Program

TITLE OF GRADUATES: Pediatric Nurse Practitioner

INSTITUTION: Washington University School of Medicine
4550 Scott Avenue
St. Louis, Missouri 63110

PROGRAM DIRECTORS: Lawrence Kahn, M.D.
Stanley Lyss, M.D.

AFFILIATED INSTITUTION: None

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 8 months

CURRICULUM DESCRIPTION: The didactic phase lasts for 4 months and consists of 208 hours of formal instruction and 360 hours of clinical work. The practicum consists of 600 hours of clinical work. The student is prepared to provide primary pediatric care in ambulatory facilities, such as well-baby and well-child clinics, pediatric out-patient departments, neighborhood health centers, and private pediatric offices. The student is trained to obtain medical histories, perform physical examinations, and assess the physical, psychological, and intellectual growth of the pediatric patient. She will be capable of counseling families in matters of nutrition, accident prevention, and general child rearing.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: R.N. from an N.L.N. accredited school

ADDITIONAL PREFERRED REQUIREMENTS: B.S. or higher degree, experience in pediatric nursing or health care delivery

NUMBER OF STUDENTS ENROLLED: 8

NUMBER OF STUDENTS GRADUATED: 9

FINANCIAL AID: Scholarships and loans may be available

PROGRAM TITLE: Medical Nurse Practitioner
TITLE OF GRADUATES: Medical Nurse Practitioner
INSTITUTION: University of Rochester
School of Medicine and Dentistry
260 Crittenden Boulevard
Rochester, New York 14620
PROGRAM DIRECTOR: Joan E. Lynaugh, R.N., M.S.
AFFILIATED INSTITUTION: None
STAGE OF DEVELOPMENT: Planning
LENGTH OF PROGRAM: Not stated
CURRICULUM DESCRIPTION: Under development
CREDENTIAL AWARDED: None stated
MINIMUM REQUIREMENTS: Under development
ADDITIONAL PREFERRED REQUIREMENTS: Under development
NUMBER OF STUDENTS ENROLLED: None to date
NUMBER OF STUDENTS GRADUATED: None to date
FINANCIAL AID: Under development

PROGRAM TITLE: Training Program for Pediatric Nurse Associates

TITLE OF GRADUATES: Pediatric Nurse Associates

INSTITUTION: Good Samaritan Hospital
Cincinnati, Ohio 45220

PROGRAM DIRECTORS: Donald J. Frank, M.D.
Patricia Chaney, R.N.

AFFILIATED INSTITUTIONS: Cincinnati Health Department
Lincoln Heights Clinic
Clermont County Service Center
Pilot City Health Service
St. Joseph Infant Home

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 4 months

CURRICULUM DESCRIPTION: Formal instruction is given in: Growth and Development, Interview and Counseling, Family Dynamics, Health Assessment and Supervision, Common Childhood Illnesses, Professional Adjustments, and Evaluation. Practice is in: Denver Developmental Screening Test Workshop, Newborn Nurseries and St. Joseph Infant Home, and a preceptorship in clinics and on-the-job.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Graduate of N.L.N. Approved Nursing Program. Nurses from either a Baccalaureate or Diploma program are eligible. The nurse must be registered in Ohio and employed in an ambulatory pediatric setting, and must be recommended by the employer. The employer must agree to release the nurse for class time and allow him/her to function in an expanded role. The employer must provide on-the-job training by a pediatrician.

ADDITIONAL PREFERRED REQUIREMENTS: Preference will be given to those who graduated in the upper third of their class

NUMBER OF STUDENTS ENROLLED: 11

NUMBER OF STUDENTS GRADUATED: 52

FINANCIAL AID: Jobs are available; salaries are offered

PROGRAM TITLE: Ophthalmic Nursing Course for Registered Nurses

TITLE OF GRADUATES: Registered Nurse

INSTITUTION: Baylor College of Medicine
1200 Moursund Avenue
Houston, Texas 77025

PROGRAM DIRECTORS: David Paton, M.D.
Juanita Mitchell, R.N.

AFFILIATED INSTITUTIONS: Ben Taub Hospital
Veterans Administration
Methodist Hospital

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 6 weeks

CURRICULUM DESCRIPTION: The first week is devoted to lectures in the basic sciences, i.e., Anatomy and Physiology of the eye, Pharmacology and Therapeutics. The second and third weeks consist of didactic teaching in surgical techniques, operating room techniques, and care and maintenance of ophthalmic surgical instruments. Instruction will also be given in management of the eye patient in the ophthalmologist's office, use of the lensometer, perimetry, tonometry, simple basic refractions, and muscle imbalances. Clinical experience will be provided in the various eye departments of the affiliated hospitals. During the three weeks, the student may choose special instruction in certain subjects such as ophthalmic surgical techniques, strabismus, clinical photography, tonography, or care of the contact lens patient.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Registered nurse

ADDITIONAL PREFERRED REQUIREMENTS: None specified

NUMBER OF STUDENTS ENROLLED: 6

NUMBER OF STUDENTS GRADUATED: 96

FINANCIAL AID: No financial aid is available

PROGRAM TITLE: Pediatric Nurse Practitioner Program

TITLE OF GRADUATES: Pediatric Nurse Practitioners

INSTITUTIONS: Wilford Hall USAF Medical Center
Lackland Air Force Base
San Antonio, Texas 78236

PROGRAM DIRECTOR: Col. Howard H. Johnson

AFFILIATED INSTITUTION: None

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 21 weeks

CURRICULUM DESCRIPTION: The program consists of didactic lectures and demonstrations and supervised experience in the outpatient clinic, the newborn nursing and to a limited extent in the inpatient service. Subject matter covered includes: physical examination, well child care, newborn care, growth and development, nutrition, immunization, the premature behavior problems, mental retardation, infectious disease, dermatology, allergy, pediatric, gynecology, neurology, poisoning, trauma, and adolescence.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: Graduate R.N. must be on active duty with U.S. Air Force with at least one year's experience in pediatrics

ADDITIONAL PREFERRED REQUIREMENTS: Degree preferred but not mandatory

NUMBER OF STUDENTS ENROLLED: 3

NUMBER OF STUDENTS GRADUATED: 3

FINANCIAL AID: Salaries are paid during training

PROGRAM TITLE: Pediatric Nurse Clinician Training Program

TITLE OF GRADUATES: Pediatric Nurse Clinician

INSTITUTION: University of Virginia, School of Medicine
Charlottesville, Virginia 22901

PROGRAM DIRECTOR: William G. Thurman, M.D.
Department of Pediatrics

AFFILIATED INSTITUTION: Central Virginia Community Health Center

STAGE OF DEVELOPMENT: Operational

LENGTH OF PROGRAM: 16 weeks

CURRICULUM DESCRIPTION: Students are trained to take a complete pediatric history, do a complete physical examination to determine the presence of abnormality, and to provide care or obtain consultation either on an emergency or elective basis as may be indicated by the circumstances. Routine well baby and well child care and the treatment of minor non life-threatening conditions are included.

CREDENTIAL AWARDED: Certificate

MINIMUM REQUIREMENTS: R.N.
Bachelor's Degree not required

ADDITIONAL PREFERRED REQUIREMENTS: Experience in pediatric nursing

NUMBER OF STUDENTS ENROLLED: 11

NUMBER OF STUDENTS GRADUATED: 15

FINANCIAL AID: Salaries are offered during training

PLANNED OR OPERATIONAL

This listing includes addresses of programs which came to our attention after the survey had been completed, and those which did not provide us with detailed information. Also included are nurse-midwifery programs which offer certificates upon completion of training.

ARIZONA

Family Nurse Practitioner

Herbert K. Abrams, M.D.
University of Arizona
Tucson, Arizona 85705

ARKANSAS

Assistant Pathologists Program

R. A. Burger, M.D.
Baptist Medical Center
1700 West Thirteenth
Little Rock, Arkansas 72201

CALIFORNIA

Physician's Assistant

Woodbury Perkins, M.D.
Director of Medical Education
Mercy Hospital & Medical Center
4077 - 5th Avenue
San Diego, California 92103
(Program at San Diego State College
San Diego, California 92115)

Physician's Assistant

Michael T.B. Dennis, M.D.
Stanford University Medical Center
Stanford, California 94305

COLORADO

Obstetrical Associate

James J. Delaney, M.D.
University of Colorado Medical Center
Denver, Colorado

CONNECTICUT

Internal Medicine Nurse Practitioner

John Schulman, M.D.
Yale University
School of Medicine
New Haven, Connecticut 06510

DISTRICT OF COLUMBIA

Physician's Assistant
Dr. Kenneth Barry
D.C. General Hospital
Washington, D. C. 20003

Physician's Assistant Program
Mr. Jarrett Weiss
George Washington University
2150 Pennsylvania Avenue, N.W.
Washington, D. C. 20037

GEORGIA

Physician's Assistant
John R. Palmer, M.D.
Medical College of Georgia
Augusta, Georgia 30902

ILLINOIS

Dermatology Assistant
Sanford I. Lamberq, M.D.
Section of Dermatology
Pritzker School of Medicine
University of Chicago
950 East 59th Street
Chicago, Illinois 60637

INDIANA

Health Hazard Appraisal Program
(Preventive Medicine Physician's Assistant)
Lewis C. Robbins, M.D.
Methodist Hospital of Indiana, Inc.
1604 Capital Avenue
Indianapolis, Indiana 46207

Obstetric Nurse Assistant
David Copher, M.D.
Methodist Hospital of Indiana, Inc.
1604 Capital
Indianapolis, Indiana 46207

Pediatric Nurse Associate
Gabriel J. Rosenberg, M.D.
Methodist Hospital of Indiana, Inc.
Pediatric Section
Children's Pavilion
1604 North Capital Avenue
Indianapolis, Indiana 46202

KANSAS

Physician's Assistants Working with Patients
with Chronic Disease Program

Charles Lewis, M.D.
University of Kansas Medical Center
Kansas City, Kansas 66103

KENTUCKY

Nurse Midwifery

Helen E. Browne, C.N.M.
School of Nurse-Midwifery
Frontier Nursing Service
Wendover, Kentucky 41775

MARYLAND

Surgical Associate

Archie S. Golden, M.D.
Health Associates Training Program
Johns Hopkins University
624 N. Broadway
Baltimore, Maryland 21205

MICHIGAN

Orthopaedic Physician's Assistant

Diane Hanson
Director, Orthopaedic Program
Marygrove College
8425 West McNichols Road
Detroit, Michigan 48221

Physician's Assistant

Fred L. Rights
Wayne State University School of Medicine
1400 Chrysler Freeway
Detroit, Michigan 48207

MINNESOTA

Physician's Associate (in planning)
Department of Family Practice and
Community Health
University of Minnesota
Health Sciences Center
Minneapolis, Minnesota 55455

MISSISSIPPI

Nurse Midwifery
Marie Meqlen, C.N.M.
Nurse - Midwifery Program
University of Mississippi Medical Center
2500 North State Street
Jackson, Mississippi 39216

MISSOURI

Physician's Assistant in Gerontology
Mr. Charles E. Berry
Saint Louis University
St. Louis, Missouri

NEW JERSEY

Physician's Associate
W. R. Jenkins, Ph.D.
Department of Biology
Livingston College
Rutgers University
New Brunswick, New Jersey 08903

Physician's Assistant
Charles Vevier, Ph.D.
College of Medicine and Dentistry of New Jersey
100 Bergen Street
Newark, New Jersey 07103

NEW MEXICO

Nurse Midwifery
Sister Katherine Shean
Community Maternity Institute
417 East Palace Avenue
Santa Fe, New Mexico 87501

NEW YORK

Physician's Associate

Dr. S.W. Cooper
Albany Medical College of Union University
and Hudson Valley Community College
Albany, New York 12208

Family Health Worker

Montefiore Hospital
E. Gunhill Road and Bainbridge Avenue
Bronx, New York 10467

Nurse Midwifery

Marion Strachan, C.N.M.
Nurse - Midwifery Program
Downstate Medical Center
State University of New York
450 Clarkson Avenue
Brooklyn, New York 11203

Physician's Associate

Thomas W. Jones, M.D.
College of Physicians and Surgeons of
Columbia University
Harlem Hospital Center
135th Street and Lenox Avenue
New York, New York 12037

Title Unknown

Kenneth May, M.D.
Corpsman Training Program
Harlem Hospital Center
Lenox Avenue and West 13th
New York, New York 10037

NORTH CAROLINA

Plastic Surgical Assistant Program (planning)

Dr. Paul Biggers
Division of Otolaryngology
Memorial Hospital
Chapel Hill, North Carolina 27514

Nurse Practitioner Program

Dean Lucy H. Conant
School of Nursing
University of North Carolina
Chapel Hill, North Carolina 27514

Surgeon's Assistant Program

Dr. Paul Biggers
North Carolina Memorial Hospital
University of North Carolina
Chapel Hill, North Carolina 27514

PENNSYLVANIA

Physician's Assistant Program

W. W. Oaks, M.D.
Hahnemann Medical College and Hospital
Department of Medicine
230 North Broad Street
Philadelphia, Pennsylvania 19102

Physician's Assistant (U.S. Navy)

Jefferson Medical College
1025 Walnut Street
Philadelphia, Pennsylvania 19107

PUERTO RICO

Nurse Midwifery

Myrian Castro De Castaneda, C.N.M.
Puerto Rico Nurse - Midwifery Program
University District Hospital
Caparra Heights, Puerto Rico 00731

Nurse Midwifery

Ponce School of Maternity and Nurse-Midwifery
Ponce District General Hospital
Ponce, Puerto Rico 00731

TEXAS

Physician's Assistant

Harry J. Parker, M.D.
School of Allied Health Professions
University of Texas Southwestern Medical School
Dallas, Texas

Physician's Assistant

Baylor University
College of Medicine
1200 Moursund
Houston, Texas 77025

Physician's Assistant

Col. Jerrold L. Wheaton
USAFMPC/SGPSE
Randolph AFB, Texas 78148
(Open only to active duty military personnel)

TEXAS (contd)

Physician's Assistant

Col. Jerrold L. Wheaton
School of Health Care Science
Sheppard Air Force Base
San Antonio, Texas
(Open only to active duty military personnel)

WEST VIRGINIA

Pediatric Nurse Practitioner

Barbara Jones, M.D.
West Virginia University Medical Center
School of Nursing, Department of Pediatrics
Morgantown, West Virginia 26506

APPENDIX

For Information on . . .

CIVIL SERVICE QUALIFICATIONS for the position of Physician's Assistant:

Write the U.S. Civil Service Commission, 1900 'E' Street, N.W., Washington, D.C. 20415 and ask for Announcement No. 428.

EMERGENCY MEDICAL TECHNICIAN training programs:

Write Mr. Kenneth C. Skaggs, Coordinator of Service Projects at the American Association of Junior Colleges, One Dupont Circle, Washington, D.C. 20036.

MEDEX TRAINING PROGRAMS:

Write Mr. Charles E. Magnusson, Director, Medex Communications Center, 444 N.E. Ravenna Boulevard, Suite 203, Seattle, Washington 98115.

MEDICAL ASSISTANT training programs and membership:

Write Mrs. Dene R. Murray, Executive Director, American Association of Medical Assistants, One E. Wacker Drive, Suite 1510, Chicago, Illinois 60601.

M.E.D.I.H.C. (Military Education Directed Into Health Careers) a guidance service for ex-military personnel, organized through state agencies:

Write Miss Alice B. Frazier, Program Coordinator, MEDIHC, Division of Allied Health Manpower, Bureau of Health Manpower Education, National Institutes of Health, 9000 Rockville Pike, Bethesda, Maryland 20014.

MILITARY TRAINING PROGRAMS for physician's assistants:

The *AIR FORCE* has a requirement for 150 PA's. Classes of 25 will start every four months until requirements are met. The first class began July 1, 1971. The program is located at Shepard Air Force Base, Wichita Falls, Texas. A minimum requirement for students is two years of experience in contact with patients. The course will be of 24 months duration with 12 months of academic study and 12 months preceptorship. Graduates will have a senior non-commissioned officer rank. For more information write Col. George R. Anderson, USAF, MC, Chief, Medical Education Division (AF-SGPSE), Office of the Deputy Director for Staffing and Education, Randolph, AFB, Texas 78148.

The *ARMY* has a requirement for 400 PA's. Classes of 60 will begin every six months. The first class will begin in February, 1972. The program is located at Fort Sam Houston and is affiliated with Baylor University in order that two years of college credit may be obtained. The course is the same length and general structure as the Air Force program. Graduates will be warrant officers. For more information write Col. Robert Kerrigan, MSC, USA, Chief, Training Division, Office of the Surgeon General, Department of the Army, Washington, D.C. 20314.

NAVY requirements and plans are not yet completed. However, they also anticipate a two-year course. The program will most likely be located in Philadelphia and may be affiliated with Jefferson Medical School. Classes are not expected to start until the middle of 1972. For more information write Capt. James E. Wilson, MC, USN, Head, Educational Support Service, Naval Medical School, National Naval Medical Center, Bethesda, Maryland 20014.

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OPERATING ROOM TECHNICIAN training programs and membership:

Write the Association of Operating Room Technicians, c/o A.O.R.N. Incorporated, 8085 E. Prentice Avenue, Englewood, Colorado 80110.

PEDIATRIC ASSOCIATE, ASSISTANT, and AIDE training programs:

Write Mr. Wesley J. Duiker, Director, Office of Allied Health Manpower, American Academy of Pediatrics, 1801 Hinman Avenue, Evanston, Illinois 60204.

"PA" PROFESSIONAL MEMBERSHIP:

Write John J. McQuery, President of the American Academy of Physicians' Associates (formerly the American Association of Physician's Assistants) P.O. Box 2914 CHS, Duke University Medical Center, Durham, North Carolina 27706. The Academy's journal *PHYSICIAN'S ASSOCIATE* is edited by Russel F. Lawrence. The journal carries a 'situations wanted' column for both physicians and assistants; entries should be forwarded to James R. Asher, assistant editor at the above address. Subscription orders for the journal should be sent to Charles B. Slack, Inc., Publisher, "Physician's Associate", 6900 Grove Road, Thorofare, New Jersey 08086.

VETERANS ADMINISTRATION training programs for physician's assistants and other allied health occupations:

Write Mrs. Martha Long Phillips, Coordinator, Allied Health Training Programs, Veterans Administration, Vermont at "H" Street, N.W., Washington, D.C. 20420.