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JHPIEGO

ANNUAL REPORT



The Johns Hopkins Program for International
Education in Gynecology and Obstetrics

FISCAL YEAR 1983

ANNUAL REPORT
OF
THE JHPIEGO CORPORATION
FISCAL YEAR 1983

REPORT FORMAT

This annual report differs from previous JHPIEGO Annual Reports in that the first Section provides an executive summary of JHPIEGO programmatic activities during the year. The reader may refer to the other sections of the report which provide a much more detailed description of activities. For example, Section II describes in detail the educational and training activities of JHPIEGO abroad and in the U.S., as well as activities organized in support of training. Section III presents a review of overall program operations, and details the administrative structure of JHPIEGO. Major activities of each operating division are also summarized in this section. Section IV is the fiscal report. It provides combined and separate recaps of fiscal activity for the grant, AID/pha-G-1064 and the cooperative agreement, AID/DSPE-CA0083. Finally, the appendix provides a review of JHPIEGO's history.

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SECTION I
EXECUTIVE OVERVIEW

EXECUTIVE OVERVIEW

Since 1974, JHPIEGO has been developing programs to improve the reproductive health of women and families in developing countries around the world. Reaching this goal has required a variety of programmatic strategies. The focal point of all strategies has been design of educational programs to meet diverse educational needs of regions and countries. Fundamental to these efforts has been the gathering of dedicated personnel, with diverse talents and abilities, who are able to meet both the educational as well as the administrative requirements of organizing international collaborative educational programs, and who are sensitive to the ever-changing reproductive health needs of developing countries.

It is impressive to note the accomplishments of the JHPIEGO program since 1974, keeping in mind two major programmatic objectives:

- 1) Upgrading the knowledge and skills of obstetricians, gynecologists, and other qualified health professionals in reproductive health, and
- 2) Advancing the diffusion of updated reproductive health technology and information in medical schools and teaching hospitals in developing countries.

Simply stated, here is what has occurred:

- 15,951 physicians, nurses, administrators, and medical and nursing students have received training in JHPIEGO educational programs, in U.S. and overseas centers;
- these health professionals represent 2,854 institutions in 116 countries;
- 337 medical schools have been reached by JHPIEGO educational programs;
- 28 collaborative agreements for educational training programs were operative in 18 countries in Latin America, Asia, Africa and the Caribbean by the end of FY'83 as well as 31 additional agreements to fund clinical training in 38 centers, and 11 agreements for support of maintenance activities
- evolution of training from U.S. to overseas centers has occurred in that more than 87% of all JHPIEGO training has been conducted in regional or national training programs;

- curriculum has been diversified to include numerous training models focusing on many areas including curriculum development in reproductive health for medical schools, utilization of the laparoscope for diagnostic and therapeutic purposes, mini-laparotomy training, training in IUD insertion, and anesthesiology training.

Fiscal year 1983 for JHPIEGO represented further program diversification such as development of a pilot satellite communications project in Jamaica.

This overview will highlight key program changes and successes which occurred during the year. Many of the points are described in more detail in other sections of this report.

Educational and Training Programs

A. In-Country Training

More than 6,200 health professionals were trained during the reporting period in regional and national programs, clearly reflecting JHPIEGO's emphasis on overseas training. This number is the largest number of participants ever trained in overseas centers, and clearly reflects JHPIEGO's emphasis on this approach. More than 5,200 of the above individuals were students of medicine or nursing who participated in reproductive health education programs during the reporting period. Such undergraduate training serves the important objective of reaching future providers of reproductive health care and instilling in them, early in their careers, the technical skills and perspectives necessary to deliver quality maternal and child health and family planning services. In fiscal year 1983, collaborative educational programs were conducted in 18 countries. In Africa, educational programs were located in institutions in Kenya, Sudan, Somalia, and Tanzania. Asian institutions offered courses in the People's Republic of China, Indonesia, Malaysia, the Philippines, Sri Lanka, and Thailand. Programs in the Latin America/Caribbean Region were carried out in Brazil, Chile, Colombia, Guatemala, Mexico, and Jamaica. Near Eastern Programs were carried out in Egypt, Morocco, Tunisia, and Turkey.

AFRICA

JHPIEGO has made considerable efforts to expand its programmatic efforts in this region. In collaboration with the Family Planning Evaluation Division of the Centers for Disease Control, JHPIEGO sponsored a two-week reproductive epidemiology workshop in May, in Mombassa, Kenya. This program was attended by 22 participants from major institutions in Anglophone Africa. In Tanzania, a JHPIEGO reproductive health education program for physicians and nurses was initiated, while in Somalia, JHPIEGO's program expanded to not only provide training for rural physicians in reproductive health, but also to the medical school where a reproductive health education program

was inaugurated for the medical students. In Kenya, this year marked the decentralization - away from Nairobi - of reproductive health update courses for nurses and physicians. Courses were conducted at provincial hospitals and proved quite successful. Major efforts were also underway during the year to expand in-country training in Nigeria. An agreement was signed for reproductive health training with Ahmadu Bello University in Zaria, Nigeria, while at least three additional proposals from Nigerian medical institutions were also under consideration. This year also marked the signing of the agreement with the Princess Christian Maternity Hospital in Freetown, Sierra Leone, for a project to upgrade clinical reproductive health skills of nurse and physician health care providers. Staff also were active in the francophone countries of Africa. As a result of their efforts, it was anticipated that projects would begin in FY'84 in Senegal, the Ivory Coast, the Congo, Rwanda, and Mauritius.

Near East Region

The Near East region remained an important part of the world for JHPIEGO. JHPIEGO's Tunisia program, which has been in operation since 1978 continued, with expansion of program efforts to include courses in reproductive health/family planning techniques, including IUD insertion for Tunisian as well as regional physicians and nurses. JHPIEGO also assumed support of the Tunisian repair and maintenance center which is under the auspices of the ONPFP.

In Morocco, with the opening of the national training center in Rabat, JHPIEGO's training program resumed activities and provided training in family planning techniques, including IUD insertion for Moroccan and regional physicians.

In JHPIEGO's Alexandria, Egypt, program with Shatby University Hospital, for the first time courses were held to instruct nurses in IUD insertion techniques. JHPIEGO's program at the Al Azhar University in Cairo also continued upgrading the skills of physicians and nurses in reproductive health techniques. JHPIEGO programmatic activities were also initiated in Turkey, with the offering of physician and nurse courses in reproductive health.

Asia Region

JHPIEGO activities in Asia continued to be quite productive. For the first time, as part of JHPIEGO's Thailand program, a workshop in gynecologic microsurgery for reversal of sterilization was offered at the Chulalongkorn University in Bangkok. This marked the first time a microsurgery course was sponsored by JHPIEGO in Asia. In Sri Lanka, JHPIEGO's first in-country laparoscopic training program was offered in conjunction with the Ministry of Family Health and the Colombo Hospitals group. In Malaysia, a special course was held in family planning for general practitioners to update their skills in family planning and reproductive health care. JHPIEGO's successful educational programs in the Philippines and Indonesia also continued. During the year plans were developed for collaborative projects with the Ministry of Health in Fiji, as well as the Family Planning Association of Nepal.

Latin American Region

In the Latin American region, the strategy of developing programs based on the reproductive risk concept was developed. The objective of the reproductive risk concept is to classify women of child-bearing age who are NOT pregnant according to the health risk which pregnancy would entail for them and/or their offspring. By identifying women at risk, and helping them to space their births, have smaller families and have pregnancies at favorable ages, family planning services help to reduce maternal and infant morbidity and mortality. The key to implementing the reproductive risk concept is to keep the classification system simple, so that it can be applied by all levels of health personnel, including village level workers. This is best done by emphasizing the basic determinants of obstetrical and reproductive risk, such as maternal age and parity, as well as age of youngest child. Other risk indicators, which relate to obstetrical history and pathology, can also be considered, depending on local conditions and availability of resources. This strategy also enhances the status of family planning among health providers, especially OB/GYN physicians by relating family planning to

obstetrical care. JHPIEGO plans to support the development and testing of classification and referral systems based on the reproductive risk concept in a number of Latin American countries, beginning in FY'84.

In Latin America during FY'83, JHPIEGO started a program with the Association for the Protection of the Family (APROFAM) in Guatemala to train fifth year medical students at the University of San Carlos in reproductive health in a 30 hour didactic course. JHPIEGO collaborated with the University of the West Indies in Jamaica, in the development of a pilot satellite education program in reproductive health to be implemented in FY'84. This project is designed to demonstrate the use of the teleconferencing medium to help meet the reproductive health education goals in the Caribbean and to serve as an object lesson for application in other developing countries. In Brazil and Mexico, more than 5,000 students were trained in medical and nursing student education programs. In Colombia, JHPIEGO's program with PROFAMILIA to train physicians and nurse-technicians in endoscopy, minilaparotomy, operating room techniques, and use of local anesthesia continued. An evaluation of a micro-surgery course previously supported by JHPIEGO was held during the year, which culminated in the organization of the Colombian Society for Microsurgery. During the year, microsurgery courses were also conducted in Chile and Mexico for regional as well as national program participants. Several new training programs are planned for the region during FY'84 including a major national reproductive health education program in Peru in collaboration with the Ministry of Health. It is expected that a high level delegation of Peruvian health officials will meet in Baltimore in November, 1983, to participate in a reproductive health meeting which will serve as the foundation for the training program.

B. U.S. Training

This year 203 participants, approximately 50% of whom were from African countries, attended educational programs at the JHPIEGO International Training Center at Johns Hopkins. While this number is less than 4% of total JHPIEGO trainees for the year, it remains an important part of JHPIEGO's educational efforts in terms of identifying key leaders in reproductive health world-wide, who may, after attending a U.S. based course, return to their own country and develop a collaborative program with JHPIEGO.

For the first time this year, the course "Promoting Reproductive Health through the Management of Sexually Transmitted Diseases", was offered. This course not only emphasizes management of sexually transmitted diseases, but also provides an in depth review of recent data indicating that certain family planning methods may serve to prevent sexually transmitted diseases, and also emphasizes the importance of integrating family planning services in STD programs. Additionally, for the first time, the JHPIEGO microsurgery course was offered in French.

For the first time also, JHPIEGO sponsored at the Johns Hopkins Medical Institution a post-graduate course in collaboration with the American College of Obstetricians and Gynecologists (ACOG). This two day seminar, "Reproductive Health for the 1980's", was attended by 79 physicians from 49 countries. Following the conclusion of that seminar, 21 participants from 18 francophone countries remained at Johns Hopkins to attend the newly developed course on sexually transmitted diseases.

Attending the JHPIEGO/ACOG seminar were two prominent obstetricians/gynecologists from the People's Republic of China. These physicians attended a specially designed didactic course at Johns Hopkins, and later completed clinical practice training in Manila in early 1983. Their visit culminated in an in-country training program in family planning and laparoscopy in China in May. These activities were supported through grants awarded to JHPIEGO by the General Services Foundation and the Jesse Smith Noyes Foundation.

Support of Educational Efforts

In support of JHPIEGO's ongoing educational programs, a number of additional activities are also conducted. To provide clinical experience in endoscopy, minilaparotomy, microsurgery, and anesthesiology for physicians and the appropriate clinical support for training of nurses and paramedics, 38 clinical practice centers were operated under 31 agreements with JHPIEGO. Twenty-seven of these centers were operating in Latin America, six in Asia, and five in the Near East/Africa. Five-hundred and ninety-nine persons received clinical training during the year in these centers.

JHPIEGO continues to closely monitor utilization and repair status of laparoscopic systems it distributes. In FY'83, JHPIEGO supported repair and maintenance centers in Brazil, Colombia, Costa Rica, Ghana, Malaysia, Nigeria, the Philippines, the Sudan, Thailand, Turkey and Tunisia.

Staff in the JHPIEGO Grants Management Unit were active during the year in developing procedures to expedite development of agreements for overseas programs. This unit developed and processed 15 new agreements, 30 major program continuation amendments, 38 simple amendments, and 9 letters of intent for programs during the year. To accomplish this required participating in approximately 120 proposal review meetings.

JHPIEGO's Information and Evaluation Services Unit (IES) continued to respond to JHPIEGO's need for information and data regarding ongoing programs. In FY'83, the Unit revised JHPIEGO's participant list from an alphabetical listing, to a country listing, which provides a readily available source of information regarding participants trained by country. This unit also expanded its survey of course participants from being solely U.S. based participants to in-country participants. Initial returns were received from participants in the Philippines and Brazil. At the end of the fiscal year, this information was being analyzed.

Educational Materials

Distribution began during FY'83 of the Spanish language edition of two equipment manuals, LaprocatorTM: Preventive Care and Maintenance, and Advanced Laparoscopic Systems: Preventive Care and Maintenance. A manual for nurse/midwives, entitled, An Introduction to Reproductive Physiology and Contraceptive Methods: A Programmed Instruction, was also produced during FY'83. Additionally, an instructional film, Principles of Gynecologic Microsurgery, was also developed in collaboration with the Division of Reproductive Endocrinology, of the Johns Hopkins University, Department of Gynecology and Obstetrics. This film serves as an important instructional tool for JHPIEGO's U.S. and in-country microsurgery courses.

JHPIEGO's Educational Materials Committee focused its attention during the year on identifying materials in the French language for inclusion in packages of educational materials which will be shipped to participants in francophone courses overseas. This occurred as a result of the increase in the number of proposals for training from the francophone region.

Administration and Management

Considerable time was spent during the year by JHPIEGO's senior administrative and fiscal staff in negotiating JHPIEGO's new cooperative agreement with AID. Early in the fiscal year, a representative of AID's Inspector General's Office visited JHPIEGO to review administration of overseas agreements. In May, at the request of AID, a management audit of JHPIEGO was conducted. The results of both reviews were quite favorable of JHPIEGO's operating systems. These actions led to the signing of JHPIEGO's Project Paper by AID, and the successful negotiation of the cooperative agreement, which guaranteed funding for JHPIEGO through 1986.

With overseas training as the major focal point, JHPIEGO continued to develop a staffing pattern to support this type of operation. This year a Deputy Director was appointed who also serves as JHPIEGO's Senior Medical Officer whose major

responsibility is review of the educational and evaluation components of all JHPIEGO programs. This obstetrician/gynecologist provides medical input in educational programs and projects and coordinates the review and evaluation of many U.S. and overseas efforts. A new team of individuals was also recruited with extensive overseas experience, as Regional Development and Assistant Regional Development Officers for the Latin American Region.

To enhance the efficiency of support services and to ensure greater compliance with the terms of its cooperative agreement, JHPIEGO restructured its internal organization. The new organization included the appointment of a Program Support Manager. This individual has specialized experience in AID and federal regulations which govern many of the activities supporting the development and implementation of programs. This individual assumed responsibility for supervising all JHPIEGO support units, including equipment and materials, admissions and travel, and grants.

Additionally, to assure compliance with administrative procedures regarding individual projects, JHPIEGO hosted a meeting of 25 current and prospective JHPIEGO Project Directors on the Campus of the Johns Hopkins Medical Institutions in October. This meeting was held in conjunction with the ACOG post-graduate course. This two day meeting afforded Project Directors the opportunity to review with Senior Staff the development, implementation and monitoring of projects, as well as equipment and educational materials. It is expected that this meeting will result in more efficient implementation of JHPIEGO in-country programs.

To summarize, FY'83 proved to be a year of diversification and broadening of programs, strengthening administrative systems, and hiring of key personnel to meet the evolving challenges. The staff of JHPIEGO are proud of past achievements, but also look forward to meeting the ever-changing training needs of developing countries world-wide.

SECTION II
EDUCATION AND TRAINING

A. Introduction

This section provides a comprehensive overview of U.S. as well as in-country training activities. In reviewing this section, one will note the diverse range of educational programs offered. At the U.S. Center, educational programs range from those for administrators of family health and family planning programs to those seeking the causes and treatment of infertility and sexually transmitted diseases. Diverse program models are also present in the JHPIEGO-supported overseas programs. Program models include those for medical and nursing students, continuing education programs for physicians and nurses, programs supporting training of physicians in endoscopy and minilaparotomy, programs to upgrade the skills of nurses and physicians in IUD insertion techniques, anesthesiology training for out-patient surgery, courses in gynecologic microsurgery, as well as a newly developed program on satellite communications. When reviewing this range and diversification of programs, one can observe JHPIEGO's flexibility in responding to localized needs and conditions.

B. Summary of Activities

During FY'83, 6,235 persons were trained in JHPIEGO's U.S., In-country, and Regional Training Centers. This increases by 27% the numbers of health personnel trained over the previous year. The vast majority of these participants, 97% (Table 2A) were trained in National or Regional Training Centers, clearly reflecting JHPIEGO's emphasis on overseas training.

Figure 1 demonstrates the dramatic increase in course participation overseas as compared to participation in U.S. based courses. A significant factor in the increase has been the training of medical and nursing students in reproductive health skills. This year, 5,020 students received training representing all regions with the exception of the Near East (Table 1A).

This fiscal year's activity brings JHPIEGO's total of trainees from inception through September 30, 1983, to 15, 951 course graduates (Table 1B) from 116 countries who have

Table 1A

**Number of JHPIEGO Course Participants at All U.S.,
In-Country, and Regional Training Centers
for the period**

October 1, 1982 through September 30, 1983

	Clinical Courses for Physicians	Clinical Courses for Nurses	Reproductive Health Administration	Academic Skills	Didactic Update			Undergraduate Training		Total
					for Administrators	for Physicians	for Nurses	Medical Students	Nurse Students	
AFRICA	116	33	33	8	-	104	37	16	-	347
ASIA	78	66	6	11	33	50	28	137	-	409
LATIN AMERICA	197	68	28	2	-	30	-	4,784	83	5,192
NEAR EAST	139	134	5	2	-	7	-	-	-	287
TOTAL	530	301	72	23	33	191	65	4,937	83	6,235

Table 1B

**Number of JHPIEGO Course Participants at All U.S.,
In-Country, and Regional Training Centers**

Inception through September 30, 1983

	Clinical Courses for Physicians	Clinical Courses for Nurses	Reproductive Health Administration	Academic Skills	Didactic Update for Administrators	for Physicians	for Nurses	Undergraduate Training Medical Students	Nurse Students	Total
AFRICA	595	193	189	26	-	120	98	16	-	1237
ASIA	1074	391	65	28	33	115	63	137	-	1,906
LATIN AMERICA	1,485	448	233	16	-	842	-	7,785	256	11,065
NEAR EAST	743	464	67	10	-	459	-	-	-	1,743
TOTAL	3,897	1,496	554	80	33	1,536	161	7,938	256	15,951

Table 2A

Number of JHPIEGO Participants at Regional and National Training Centers

**(By Participant's Region of Institutional Affiliation
and Type of Course Attended)**

October 1, 1982 - September 30, 1983

18

		Clinical Courses for Physicians			Didactic Update			Undergraduate Training		Total
		Advances in Reproductive Health	Microsurgery	Anesthesiology	Clinical Nursing	for Physicians	for Nurses	for Adminis.	Medical Students	
AFRICA	49	--	10	33	104	37	--	16	--	249
ASIA	67	--	--	66	50	28	33	137	--	381
LATIN AMERICA	125	17	20	68	30	--	--	4784	83	5127
NEAR EAST	121	--	13	134	7	--	--	--	--	275
TOTAL	362	17	43	301	191	65	33	4937	83	6032

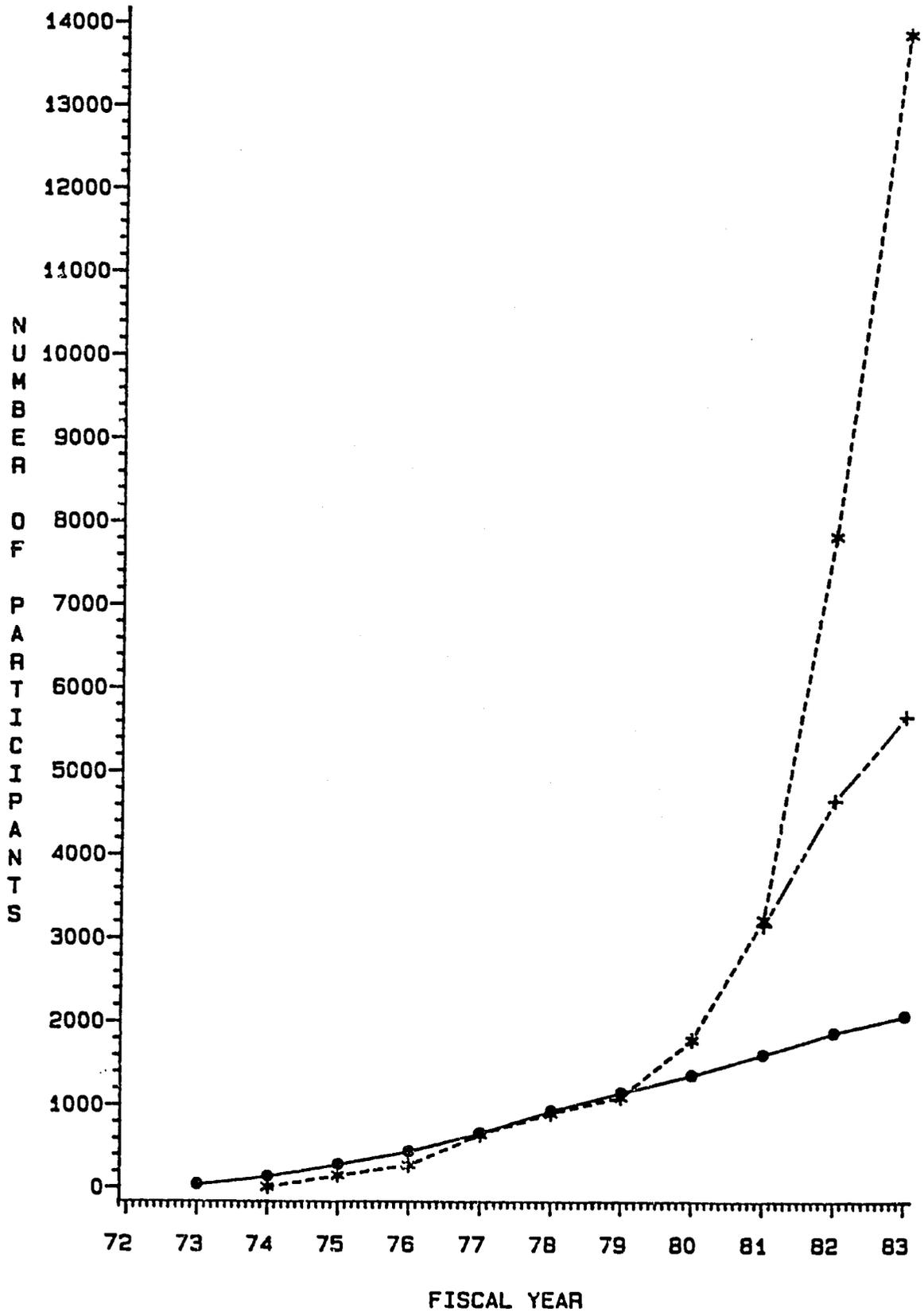
Table 2B

**Number of JHPIEGO Participants at Regional and National Training Centers
Participant's Region of Institutional Affiliation and Type of Course Attended
for the period
Inception through September 30, 1983**

	Clinical Courses for Physicians			Didactic Update			Undergraduate Training		Total	
	Advances in Reproductive Health	Microsurgery	Anesthesiology	Clinical Nursing	for Administrators	for Physicians	for Nurses	Medical Students		Nurse Students
AFRICA	331	--	17	159	--	120	98	16	--	741
ASIA	755	6	--	340	33	115	63	137	--	1,449
LATIN AMERICA	718	36	98	438	--	842	--	7,785	256	10,173
NEAR EAST	547	--	41	461	--	459	--	--	--	1,508
TOTAL	2,351	42	156	1,398	33	1,536	161	7,938	256	13,871

FIGURE 1

CUMULATIVE TOTALS OF JHPIEGO PARTICIPANTS BY FISCAL YEAR



- *- - - * ALL PARTICIPANTS IN REGIONAL AND NATIONAL TRAINING PROJECTS
- - - ● ALL PARTICIPANTS IN U.S.-BASED COURSES
- x- - - x ALL PARTICIPANTS IN REGIONAL AND NATIONAL TRAINING PROJECTS, EXCLUDING MEDICAL AND NURSING STUDENTS

participated in U.S. based and overseas courses. This is an increase of more than 65% over the number of participants who were recorded during FY'82.

With the development of new medical student educational programs in Brazil and Guatemala, and the expansion of the program in Mexico, 5,020 medical and nursing students were trained during the year. This was an unprecedented number; 59% more than were trained in FY'82. This training is expected to provide benefits long into the future. Such programs provide students with an orientation to the importance of child spacing, and its relationship to improving the reproductive health of women and families.

The emphasis on the team approach to the provision of reproductive health care was reflected in categories of personnel trained during the year noting that anesthetists, clinical nurses, nurses, as well as physicians participated in various educational programs (Table 2A). Activity in regional and national programs increased by approximately one-third over the previous year (Table 2A). Of the total 6,032 overseas trainees during FY'83, 422 attended clinical courses for physicians. These are the courses, advances in reproductive health, microsurgery, and anesthesiology. Another 301 of the trainees attended clinical courses for nurses, which emphasized such concepts and skills as operating room techniques, family planning techniques, including IUD insertion, reproductive health counseling, and/or maintenance of laparoscopic equipment.

Didactic update courses were attended by 289 physicians, nurses and administrators, (Table 2A).

Table 2B shows the cumulative number of participants at regional and national training centers since the inception of the program. The 13,871 participants represent 87% of all persons who were ever trained in JHPIEGO programs.

Table 3A shows that 203 persons were trained at the Johns Hopkins Educational Center in Baltimore during FY'83. This is a decrease of 22% over FY'82, and illustrates JHPIEGO's increased emphasis on overseas training. The Sexually Transmitted Diseases Course (47 participants) was offered for the first time during the fiscal year. Also, the

Table 3A

Number of JHPIEGO Participants at the Johns Hopkins Educational Center

**(By Participant's Region of Institutional Affiliation
and Type of Course Attended)**

October 1, 1982 - September 30, 1983

Clinical Courses for Physicians

	Sexually Transmitted Diseases	Infertility	Microsurgery	Reproductive Health Administration	Academic Skills	Total
AFRICA	35	17	5	33	8	98
ASIA	4	5	2	6	11	28
LATIN AMERICA	7	25	3	28	2	65
NEAR EAST	1	3	1	5	2	12
TOTAL	47	50	11	72	23	203

Table 3B

**Number of JHPIEGO Participants at the Johns Hopkins Educational Center
Participant's Region of Institutional Affiliation and Type of Course Attended
for the period
Inception through September 30, 1983**

23

	Clinical Courses for Physicians							
	Advances in Reproductive Health	Sexually Transmitted Diseases	Infertility	Microsurgery	Reproductive Health Administration	Academic Skills	INEP	Total
AFRICA	100	35	102	10	189	26	34	496
ASIA	281	4	22	6	65	28	51	457
LATIN AMERICA	503	7	109	14	233	16	10	892
NEAR EAST	109	1	39	6	67	10	3	235
TOTAL	993	47	272	36	554	80	100	2,080

98 participants from Africa represented nearly 50% of the total number of U.S. course participants. Since JHPIEGO's inception, 2,080 individuals have attended U.S. based courses (Table 3B). This represents 13% of all persons ever trained. Numbers trained in the U.S. are expected to diminish in future years as well.

An integral part of JHPIEGO's educational program is the training provided in clinical practice centers located in selected institutions overseas. Clinical practice complements the didactic instruction offered in courses in the U.S. and in the regional and national centers affiliated with JHPIEGO. The clinical practice centers provide training in reproductive health techniques, which can include endoscopy, minilaparotomy, IUD insertion, and the use of local anesthesia. In most cases, the physicians who conduct training at the clinical practice centers are JHPIEGO graduates.

Clinical practice centers provide training for participants of the following JHPIEGO courses: Advances in Reproductive Health for Physicians, Infertility, Sexually Transmitted Diseases, Microsurgery, Anesthesiology, Clinical Courses for Nurses, and on occasion, Reproductive Health Administration and Academic Skills.

Table 4 shows that 599 health care professional were trained at established clinical practice centers during FY'83. This figure represents only the clinical practice activity for which JHPIEGO has received documentation as of the printing of this report. The actual figure will be somewhat higher. Of the 599 participants, 563, or 94% had received the didactic component of their training in regional and national programs, while the remaining participants had been trained at the Johns Hopkins Educational Center.

Of the total clinical practice trainees during FY'83, 242 were physicians trained in techniques of laparoscopy. In recognition of the importance of this technique to the provision of reproductive health services worldwide, JHPIEGO has trained since its inception 2,901 physicians in laparoscopy. By region, 334 have been from Africa, 943 from Asia, 1,025 from Latin America and 599 from the Near East. Furthermore, during

Table 4

Number of Clinical Practice Participants
(By Region of Location of Clinical Practice Center)
October 1, 1982 - September 30, 1983

Africa

Kenya	32	
Regional Total		32

Asia

China	21	
Malaysia	19	
Philippines	47	
Sri Lanka	20	
Regional Total		107

Latin America

Brazil	170	
Colombia	61	
Honduras	1	
Jamaica	1	
Mexico	1	
Regional Total		234

Near East

Egypt	114	
Morocco	22	
Tunisia	89	
Turkey	1	
Regional Total		226

GRAND TOTAL 599

FY'83, 115 physicians underwent clinical practice training in such areas as mini-laparotomy, microsurgery, anesthesiology, and IUD insertion. Finally, there were 239 nurses who attended the clinical practice to improve operating room skills and to learn techniques of contraception.

By the end of FY'83, JHPIEGO had established, through its 15,951 trainees, contact with 2,854 medical institutions in the developing world (Table 5). This represented an increase of 426 more institutions than had been reached by the close of FY'82. These institutions include all types of major health care facilities providing reproductive health care such as medical schools, hospitals, and maternal and child health centers.

Previous annual reports have reviewed in detail the importance JHPIEGO places in establishing contact with medical schools in developing countries. To briefly summarize, JHPIEGO believes that as centers of learning, medical schools represent the opportunity for JHPIEGO to promote the diffusion and institutionalization of education in reproductive health to the medical faculty and staff. The personnel resources and facilities at medical schools often provide great support in the promotion of JHPIEGO's objective of increasing the knowledge and skills of professionals in reproductive health care.

Table 5 shows the number of medical schools in each region, as well as the number of medical schools which have been represented by JHPIEGO participants. In FY'82, JHPIEGO staff completed the task of identifying all the medical schools in the developing world in order to compile a directory of medical schools. This year, 21 new or previously unidentified medical schools increased the total of 572 reported in the FY'82 annual report to 593.

The data in Table 5 show that by the end of FY'83, 57% of the medical schools, or 337 out of 593 have been reached, compared to 315 schools reached in FY'82. This represented a slight increase over the 54% reported last year, but an actual increase of 22 schools.

Table 5

Medical Institutions Represented by all JHPIEGO Trainees¹

(by Region)

Inception through September 30, 1983

	Number of ² Institutions Represented by JHPIEGO trainees	Total Number of Medical Schools in Region	Number of Medical Schools in Region Represented by JHPIEGO Trainees
AFRICA	574	57	36
ASIA ³	713	216	120
LATIN AMERICA	1,141	224	132
NEAR EAST	426	96	49
TOTAL	2,854	593	337

1. Includes physicians, nurses and administrators.
2. Includes all types of medical institutions providing reproductive health care, e.g., medical schools, hospitals, maternal and child health centers.
3. Does not include China.

C. IN-COUNTRY EDUCATIONAL PROGRAMS

1. Africa (Introduction)

Africa continues to be a high priority for JHPIEGO reproductive health training initiatives. Compared to other regions of the world, health care systems in Africa are less sophisticated, lack trained personnel at all levels, and suffer substantially from shortages of vital materials and supplies. Thus, although the region is of high priority for JHPIEGO, progress in achieving overall educational goals and objectives is likely to be slower than in other regions of the world.

Since its inception, JHPIEGO has trained a total of 1,237 physicians, nurses, and administrators from this region (Table 1B). Of this cumulative total, 741 persons, or 60%, were trained in national and regional programs (Table 2B). The remainder were trained in U.S. based centers.

During FY83, there were 347 health professionals from Africa trained in JHPIEGO programs (Table 1A). Approximately 51% more than during the previous fiscal year. The majority, or 249 of the 347 participants, were trained overseas, in regional and national programs (Table 2A). In support of such training and other activities related to program development, education, and equipment, JHPIEGO staff and U.S. and international consultants made 36 trips to 27 countries in Africa. As a result of some of these trips, new programs for many countries are under active development.

The training of key physicians, senior nursing personnel, and administrators from Anglophone and Francophone African countries in the United States continued during FY'83. For the first time, in FY'83, a microsurgery course and a new course entitled "Promoting Reproductive Health through Management of Sexually Transmitted Disease" were offered in the French language at the Johns Hopkins International Training Center in Baltimore, thereby enabling qualified health

professionals from the Francophone regions of sub-Saharan Africa to benefit from such training.

In-Country Activities

In the summer of 1983, the Somalian training program at the Benadir Hospital in Mogadiscio resumed training activities, and offered an update course in reproductive health for regional and district primary care physicians, and, for the first time, training in reproductive health for medical students.

The Zimbabwe Reproductive Health training program, although inactive in FY'83 because of changes in Project Directors, was renewed during this period, and initial training activities are scheduled for the first quarter of FY'84.

A proposal to renew the University of Ibadan training program in Nigeria, also inactive in FY'83 because of inadequate training site facilities, was approved late in FY'83 following a site visit by a JHPIEGO staff member, so that training of physicians in laparoscopy could be continued and the program expanded to include training of nurses to assist physicians in the operating room with laparoscopy procedures. These training courses are now scheduled to begin in early 1984.

The training program at the Makerere University in Kampala, Uganda was inactive in FY'83. However, a site visit was conducted and the program is expected to be renewed in FY'84 to complete scheduled training.

In FY'83, the Tanzanian Reproductive Health Program agreement was signed, and the first in-country training courses in reproductive health, for Tanzanian physicians and nurses, were conducted at the Kilimanjaro Christian Medical Centre in Moshi in the summer of 1983.

Other agreements signed in FY'83 were for Reproductive Health training programs at the Ahmadu Bello University in Zaria, Nigeria and at the Princess Christian Maternity Hospital in Freetown, Sierra Leone. Training activity at

Ahmadu Bello and the Princess Christian Maternity Hospital is scheduled to start early in 1984.

Training proposals developed, in FY'83- for initiation in FY'84- included those in Zaire, Cameroon, Liberia, and at the University of Benin, Nigeria. Proposals are to be completed during FY'84 for in-country training programs for Senegal, Madagascar, Mauritius, the Ivory Coast, Burundi, Rwanda, at the University of Ife, Nigeria, and at other institutions in Nigeria located in priority states designated by the Federal Government of Nigeria.

Maintenance centers active in FY'83 included the Nigerian Maintenance Center in Lagos and the Ghana Maintenance Center in Accra. The former will continue activities in FY'84, but the renewal of the latter program is contingent upon a change in AID policy with respect to activities in Ghana.

In FY'83, for the first time, physicians from Guinea Conakry were trained in JHPIEGO courses. JHPIEGO has now trained persons from every sub-Saharan African country with the exception of Angola, Namibia and Swaziland. Laparoscopic equipment was installed for the first time, in FY'83, in Mauritius, the Comoro Islands, and Guinea Bissau.

JHPIEGO sponsored participants/lecturers to the annual conference of the Royal Medical Society of Obstetrics and Gynecology in Morocco in January 1983.

A major educational effort in Anglophone Africa was a "Special" Epidemiology Workshop held in the spring, 1983. This program is described below as are the major Training Programs being conducted or in the final planning stages in Kenya, Nigeria, Sierra Leone, Somalia, Sudan, Tanzania, Uganda, Zaire, and Zimbabwe.

(Note: Tunisia and Morocco Programs are described in Near-East section).

REPRODUCTIVE EPIDEMIOLOGY WORKSHOP

JHPIEGO, in collaboration with the Family Planning Evaluation Division of the Centers for Disease Control sponsored a two week reproductive epidemiology workshop. Attending the workshop held in May, 1983, in Mombasa, Kenya, were twenty-two participants from major teaching institutions of Anglophone Africa. Countries represented were Kenya, Liberia, Nigeria, the Sudan, Tanzania, Zambia and Zimbabwe.

The overall goal of the project was to train faculty and staff in epidemiologic research techniques related to reproductive health and contraception. Examples of studies developed by course participants utilizing epidemiologic research designs in the field of obstetrics and gynecology and reproductive health included: morbidity and mortality studies, risk studies of contraceptive methods and the evaluation of treatment of pelvic inflammatory disease, using clinical trials. Emphasis was given on practical questions which are pertinent to Africa, such as contraceptives, fertility management, infertility, pelvic infection, and major obstetric problems.

The objective of this unique educational effort was the development of research proposals in reproductive health geared toward the individual needs of each country by an individual or a group of individuals. A number of proposals developed by course participants were submitted to reproductive health organizations for possible funding.

KENYA

Project Title: University of Nairobi Human Reproduction Training Center

Grantee: University of Nairobi Faculty of Medicine,
Department of Obstetrics and Gynecology, Nairobi, Kenya

The objective of this program is to train physicians and allied health personnel in modern aspects of reproductive health, including high-risk pregnancy, contraception and the diagnosis of sexually transmitted diseases.

Courses were conducted in January and August of FY'83. Fifteen of the participants were physicians and 17 were nurses. These trainees were recruited from various government hospitals in the Eastern provinces of Kenya. Courses consisted of didactic sessions covering various aspects of reproductive health and included clinical practice in mini-laparotomy and IUD insertion.

During FY'84 a laparoscopic Equipment Maintenance Workshop is planned. Also, the possibility of making the update program regional will be explored. It is also expected that a clinical practice training center in Mombasa will be supported.

NIGERIA

Project Title: University of Ibadan Endoscopy Training Project

Grantee: University of Ibadan

The objective of this program is to train gynecologists and general surgeons in endoscopy and reproductive health, with emphasis on diagnostic and therapeutic uses of endoscopic techniques. Activities of this program which began in 1980 were suspended during FY'83 due to continued construction and renovation of the training hospital. However, following a site visit in FY'83 by the JHPIEGO Regional Development Officer/Africa, a revised program was written and approved by the JHPIEGO Board. Training for operating theatre nurses from the same government institutions as the physician trainees was included in the program design. It is anticipated that training will commence early in 1984, and that 20 physicians and 20 nurses from throughout Nigeria will participate in this program during FY'84.

Project Title: Ahmadu Bello University Reproductive Health Training Program

Grantee: Institute of Health of the Ahmadu Bello University,
Zaria, Nigeria, in collaboration with the Ministry of Health,
Kaduna State

This program is designed to support the development within northern Nigeria of a system of continuing education in reproductive health for post-graduate primary care medical officers, community health officers and senior nursing sisters/midwives working in Ministry of Health facilities, in order to improve Maternal and Child Health of Women and Children in Kaduna State.

It is anticipated that program activities will begin in early FY'84, and that a total of 60 health care personnel will be trained in the first year of this program.

Other in-country activities (Nigeria)

During FY'83, the Femope Marketing Company continued its activities as a maintenance center for JHPIEGO laparoscopic equipment in Nigeria. During a site visit by the JHPIEGO RDO/Africa to Nigeria in FY'83, the proposal for a training program at the University of Benin, Nigeria was finalized, and was approved by the JHPIEGO Board in August 1983. The program should become operational in early 1984. It will establish a reproductive health care training center within the Department of Obstetrics and Gynaecology of the University of Benin Teaching Hospital in Benin City, Nigeria. By the end of the first year of the program, two educational programs in reproductive health/primary health care will be conducted for a total of 40 medical officers assigned to government hospitals in Bendel State and the neighboring states of Ondo, Ogun, Anambra, Kwara, Benue and Rivers.

A proposal was also initiated, for a training program at the University of Ife in Nigeria, and this should be finalized in early FY'84, with commencement of training activity in mid-1984.

In FY'84, a Workshop for Nigerian Health Officials at JHPIEGO and a site visit by a JHPIEGO staff member to Nigeria, are planned. These activities are expected to generate proposals for training in priority states designated by the Federal Government of Nigeria.

SIERRA LEONE

Project Title: Sierra Leone National Reproductive Health Training Program

Grantee: Princess Christian Maternity Hospital, Freetown, Sierra Leone,
and the Ministry of Health, Government of Sierra Leone

The purpose of this program is to support the development within Sierra Leone of a national reproductive health training program for physicians, nurses, and midwives working in government health facilities to improve the reproductive health services available to women in Sierra Leone. Didactic and clinical training in reproductive health, including laparoscopy, minilaparotomy, and/or IUD insertion techniques will be provided to 15 physicians. Twenty nurses and/or nurse-midwives, preferably from the same institutions as physicians trainees, will receive didactic and clinical training in reproductive health to develop skills necessary to assist physicians providing laparoscopy, mini-laparotomy, IUD insertion and other reproductive health services.

The training program is scheduled to begin activities in the second quarter of FY'84.

SOMALIA

Project Title: Somalia Reproductive Health Training Program

Grantee: Benadir Hospital, on behalf of the Ministry of Health
and the Ministry of Higher Education

The purpose of this program is to provide pragmatic education in reproductive health to primary care physicians staffing district and regional health facilities in rural Somalia. It is intended also to upgrade the teaching skills and knowledge in reproductive health of educators of nurses. During FY'81, the program's first year of operation, 2 update courses in reproductive health were offered at Benadir Hospital in Mogadiscio and were attended by 39 physicians. Also, 15 nursing instructors attended a course in reproductive health with an emphasis on educational methodology.

In FY'82, two physicians courses were held, for a total of 78 participants. The training program was continued in FY'83, with didactic and practical training in high risk pregnancy, infertility, gynecologic infection, child spacing, and pediatrics for primary care physicians from rural Somalia. Nineteen physicians benefitted from this training in FY'83. In addition, a program with similar content was introduced to fourth-year medical students during their rotation at the Benadir Maternity and Children's Hospital. In FY'83, 16 medical students received this training. Physicians and medical student training will continue in FY'84.

SUDAN

Project Title: Continuing Education in Reproductive Health for Medical Officers

Grantee: Ministry of Health, Khartoum, Sudan

The purpose of this project is to establish a program of continuing education in maternal and child health and family planning in the Ministry of Health. Training is decentralized, with courses held in Khartoum and Medani and one program planned for Port Sudan.

In FY'83, three courses for a total of 52 medical officers were held -- one in March, one in May, and one in September. Three more courses are planned for FY'84.

Future plans include establishing a center for clinical training in mini-laparotomy at Soba Hospital in FY'84. A maintenance center was established in FY'82 and support was continued through FY'83. It is expected that a Laparoscopic Maintenance Workshop will be held during early 1984.

TANZANIA

Project Title: Tanzania Reproductive Health Program

Grantee: The Kilimanjaro Christian Medical Center (KCMC)
of the Good Samaritan Foundation, Moshi, Tanzania

The purpose of this project is to support the development within Tanzania of a Reproductive Health Program for the training of 40 medical officers and 40 graduate nurses from Ministry of Health district and rural hospitals in the essentials of family planning methods, the basics of infertility management and updated concepts of reproductive health in order to improve the health and welfare of women and children in Tanzania and to reduce maternal mortality and morbidity. During FY'83, the first physician and nurse courses were held, for a total of 16 physician and 20 nurse participants. The above training activities will be completed in FY'84, and it is anticipated that this program will be renewed.

UGANDA

Project Title: Uganda Reproductive Health Training Program
for Health Professionals

Grantee: Makerere University, Kampala, Uganda

The purpose of this project is to support the development within Uganda of a pilot, post-graduate reproductive health training program for health professionals from government, public and private institutions to improve the reproductive health of women and the health of children in Uganda. Didactic training in reproductive health, including administration of family planning programs and curriculum development for the training of health personnel, is to be provided to an estimated 19 physicians and 1 principal nursing officer.

In September 1982, the first training course under this program was held, with a total of 11 participants. Another session was to be held in FY'83, but the training activity was delayed due to logistic problems in-country. The program will be amended in FY'84 to permit the completion of the originally scheduled training.

ZAIRE

Project Title: Zaire Reproductive Health Training Program for Nurses
Grantee: Evangelical Medical Center of Nyankunde, on behalf of
 the Ministry of Health

The purpose of this project was to provide pragmatic education in reproductive health to trained nurses staffing 8 hospitals and 15 clinics and dispensaries located in Upper Zaire, a region which is primarily rural. The program was designed to further knowledge in family planning techniques and the provision of services through a structured program of didactic lectures, demonstrations, management seminars, and clinical practice tutorials. During FY'82, site visits to the institutions of nurses who had participated in the training courses were conducted, for follow-up and evaluation. A total of 31 site visits were conducted. The Project Director reported that many of the sites are actively involved in family planning and the provision of contraceptive services, and that the seminar and visits were a tremendous boost to the morale of the nursing staff in the Upper Zaire region. The Project Director emphasized the positive influence of the training would continue for many years.

Other in-country activities (Zaire)

Following site visits by JHPIEGO Regional Development Office/Africa staff to Zaire during FY'82 and FY'83, a proposal was developed with the Eglise du Christ au Zaire in conjunction with the Ministry of Health for a reproductive health update program for the Zaire rural primary health care project. This proposal, approved by the JHPIEGO Board in FY'83, is pending AID/W approval, and is expected to start up in early 1984. A total of 115 primary health care providers (physicians, nurses and midwives) are to be trained in 5 seminars- each held in a different location, with participants grouped from nearby health zones which are involved in the Rural Primary Health Care Project: SANRU.

ZIMBABWE

Project Title: Zimbabwe Reproductive Health Training Program

Grantee: The Child Spacing and Fertility Association of Zimbabwe, in cooperation with the Faculty of Medicine, University of Zimbabwe, on behalf of the Ministry of Health

The purpose of this project is to support the development within Zimbabwe of training in reproductive health for postgraduate primary care general medical officers, clinical officers and/or senior nursing sisters/midwives staffing district hospitals or primary care centers to improve the reproductive health care services available to the women, and the health care services available to the children, of Zimbabwe.

The Zimbabwe Reproductive Health Training Program proposal was developed following a program planning visit to Zimbabwe by the JHPIEGO Director. The agreement was signed in November 1982. It was anticipated that training activity would begin in FY'83, however this was postponed due to a change in Project Directors. The agreement was amended in July 1983, and it is expected that training activities will commence early in FY'84.

Two weeks of pragmatic clinical instruction in topics related to reproductive health will be provided to an estimated 30 postgraduate primary care general medical officers, clinical officers and/or senior nursing sisters/midwives staffing district hospitals or primary care centers. One day outreach tutorial visits each month to each of ten sites for general medical officers, nursing sisters, midwives and support staff working at the district level, who would otherwise lack this educational experience, will be conducted. These tutorials will also enable those trained in the above course to continue their post-graduate training on a monthly basis.

2. Caribbean (Francophone)

In addition to continuing the training of physicians and administrators from Francophone Caribbean nations in the United States, JHPIEGO trained personnel from the Francophone Caribbean in physician, nurse, and anesthesiology courses in Tunisia.

A visit to Haiti by the African/Caribbean Regional Development Officer in 1983 finalized plans for the development of in-country training in reproductive health in this country in FY'84, and for a Repair and Maintenance Center to service laparoscopic equipment installed in Haiti.

3. Asia (Introduction)

The Asia region, because of its vast population, continues to represent for JHPIEGO an important region. Countries in Asia tend to be more sophisticated, have well established health infrastructures, and over the years have given priority consideration to reproductive health in national policy statements. With such policies established relating to fertility management, JHPIEGO's programs in Asia place greater emphasis on fertility management strategies, than do its programs in other regions. This though, does not preclude a continuation of the JHPIEGO emphasis of reproductive health in this region as well.

Activities organized by JHPIEGO in Asia tend to emphasize existing programs. Importance is placed on the training of health care delivery teams (physicians plus nurse, paramedic or technician). Paramedics or nurses who staff services centers that feed into the larger teaching centers have also been included in educational programs.

Since its inception, JHPIEGO has trained a total of 1,906 physicians, nurses and administrators from this region (Table 1B). Of this cumulative total, 1,449 persons, or 76%, were trained in national and regional programs (Table 2B). The remainder were trained in U.S.-based centers.

During FY'83, there were 409 health professionals from Asia trained in JHPIEGO programs (Table 1A), approximately 40% more than during the previous fiscal year. The vast majority, or 381 of the 409 participants, were trained overseas, in regional and national programs (Table 2A). In support of such training and other activities related to program development, education, and equipment, JHPIEGO staff and U.S. and international consultants made 11 trips to 11 countries in Asia. As a result of some of these trips, new programs for Sri Lanka, Nepal, Fiji, and Thailand are under active development. These travel figures do not reflect consultants' visits arranged by project directors in in-country programs.

During FY'84, it is expected that training will continue in Malaysia, the Philippines, and Indonesia. The Indonesian program will continue to provide training in family planning techniques, as well as administration of services to teams of non-ob/gyn physicians, administrators, and nurses. A training program in laparoscopy will be conducted in Sri Lanka, and in Thailand, a regional microsurgery course will be conducted in order to increase interest in and utilization of this important technique.

As a result of participation in U.S. courses, and the site visits conducted by JHPIEGO regional office staff, proposals were received from Fiji and Nepal for training programs.

The Ministry of Health in Fiji submitted a proposal to JHPIEGO for the organization of refresher seminars for physicians and nurses in reproductive health. This project would upgrade the clinical skills of participants. During a site visit, the JHPIEGO regional development officer also held discussions with the medical school to develop a medical student education program in reproductive health. It is anticipated these programs will be operational during FY'84.

The Family Planning Association of Nepal submitted a proposal to JHPIEGO for the training of clinicians in reproductive health care and family planning. It is also anticipated that this program will be implemented during FY'84.

Due to political constraints, JHPIEGO activities in Pakistan have been curtailed for some time. During FY'83, activities could again be initiated, and the government of Pakistan began nominating physicians for JHPIEGO U.S. courses. Additionally, a request for consultation for an equipment maintenance workshop has been received from UNFPA/Islamabad. It is expected that this workshop will be held during FY'84. In addition, possibilities of developing an in-country program will also be explored.

U.S.-based Activities

In addition to conducting programs abroad, during FY'83, JHPIEGO trained 28 physicians and administrators from Asia at the Johns Hopkins Educational Center in

Baltimore (Table 3A). Countries represented were Bangladesh, Fiji, India, Indonesia, Malaysia, Sri Lanka, the Philippines, and Thailand. There were 5 Asian participants in the infertility course, 11 in the academic skills course, 4 in the STD course, 6 in the administrator's course, and 2 in the microsurgery course (Table 3A).

In-country Activities

JHPIEGO conducts a number of in-country programs in Asia. Clinical practice centers, which provide surgical training in minilaparotomy or laparoscopy, are located in the Philippines, Malaysia, Sri Lanka, and China. Table 4 shows that 107 health professionals were trained during FY'83. Repair and maintenance centers, which provide surgical training in preventive maintenance and care of laparoscopic equipment, are located in Malaysia, the Philippines, and Thailand.

Major training programs are conducted in Malaysia, the Philippines, Thailand, Sri Lanka, and Indonesia and are described below.

INDONESIA

Project Title: Indonesian Fertility Management Training Program

Grantee: University of Indonesia, Jakarta, Indonesia

The major purpose of this project is to train health personnel from regional hospitals in Indonesia to work as teams in developing and administering reproductive health service programs for their locale. This approach to decentralize family planning services to regional health centers brings family planning closer to the community level.

Since the inception of this program in FY'82, 4 courses have been held in which a total of 81 administrators, physicians, and nurse/paramedics have been trained. Eight physicians also participated in an evaluation planning meeting in Jakarta in January, 1983. By the conclusion of the program in FY'84, a total of 105 administrators, doctors and nurses/paramedics will have been trained.

Plans are also being formulated for a microsurgery course, an administrator's course, and a satellite education program. It is expected that these programs will be functional by FY'85.

MALAYSIA

Project Title: Malaysian Reproductive Health and Endoscopy Training Program for Physicians and Nurses

Grantee: National Family Planning Board
Government of Malaysia, Kuala Lumpur, Malaysia

The purpose of this program is to provide post-graduate training in reproductive health and endoscopy to physicians and nurses in Malaysia who staff rural district hospitals and outpatient family planning facilities of the National Family Planning Board and the Federation of Family Planning Associations. During May and July of FY'83, a total of 30 health professionals (15 physicians and 15 nurses) were trained in laparoscopic procedures.

Twenty-one physicians also participated in a Diploma Course in Family Planning for general practitioners. This course was held in June and provided updating in all family planning techniques as well as the advances in Reproductive Health care. This project will continue in FY'84.

The laparoscopic maintenance center, which has been in service since 1981, will also continue activities through FY'84.

PHILIPPINES

Project Title: Philippines Endoscopy Training Program

Grantee: Mary Johnston Hospital, Manila

This JHPIEGO-sponsored program at the Mary Johnston Hospital has been in existence since FY'79. Its continued purpose is to train Filipino Regional physicians and nurses in

Reproductive Health Care. Physicians are trained in techniques of laparoscopy, mini-laparotomy, and vasectomy. Laparoscopic equipment is provided to the institutions of physicians who successfully complete the surgical training. Nurses who attend the program receive training in management of laparoscopic equipment as well as in family planning.

During FY'83, a total of 62 physicians and nurses participated in the training courses. These individuals included 30 physicians and 32 nurses. Of this total, 7 nurses and 6 doctors, were regional participants from Nepal, Sri Lanka, Fiji, Cook Islands, Papua New Guinea, and Indonesia. Since the inception of the program, 252 physicians and nurses have been trained, including 29 regional participants.

The laparoscopic maintenance center has been functioning since July '81 at the Mary Johnston Hospital, will continue its activities during FY'84.

Project Title: Integrated Reproductive Health Education Program

Grantee: University of the Philippines

The purpose of this project is to assist in the expansion of the reproductive health curriculum for medical students at the University of the Philippines and thereby upgrade the teaching of reproductive health. One hundred and thirty seven students received training this fiscal year. The program will continue in FY'84.

SRI LANKA

Project Title: Sri Lanka Laparoscopy Program

Grantee: Ministry of Health/Government of Sri Lanka

The first JHPIEGO in-country endoscopy program was conducted in January 1983. It consisted of an endoscopy course with emphasis on local anesthesia. Ten physicians were trained to perform laparoscopic procedures and ten nurses were trained in laparoscopic maintenance and to assist in the operating room. Three Sri Lanka maintenance technicians

were also trained in this program. During FY'84, it is anticipated that an additional training program for physicians and nurses will be supported. It is anticipated that this program will later be continued by the government of Sri Lanka without JHPIEGO support.

THAILAND

Project Title: The Standardization of Curriculum in Family Planning for Medical Schools in Thailand

Grantee: The National Family Planning Program, in collaboration with the Faculty of Medicine, Chulalongkorn University Hospital and Faculty of Medicine, Siriraj Hospital, Mahidol University Bangkok, Thailand

The purpose of this program was to conduct a three-day workshop for University officials to discuss and standardize curriculum and improve the teaching of family planning in the seven medical schools in Thailand (4 in Bangkok and 3 in the provinces). The workshop was held in September 1981. There were 36 participants which included medical school administrators and educators as well as representatives from the National Medical Council and private organizations dealing with family planning.

A follow-up evaluation of the conference was held April 28, 1983. Participants indicated that actions had been taken to initiate curriculum changes in many of the Medical Schools. Twenty-two people participated -- 17 from universities and 5 from the Ministry of Health.

Project Title: Thailand National Endoscopy Educational Research Program

Grantee: The National Family Planning Program, Ministry of Public Health, Bangkok, Thailand

The purpose of this program is to train physicians from provincial hospitals in laparoscopic procedures to improve the reproductive health of women in Thailand.

During FY'83, a proposal for this physician/nurses education program was processed to begin early FY'84. The program includes team training of 20 physicians and 30 nurses. Also, a microsurgery course has been planned for early 1984. A total of 6 physicians -- 3 Thai and 4 regional -- will participate in the training.

4. Latin America and the Caribbean (Anglophone)

During FY'83, there were several significant changes and developments in the management and direction of JHPIEGO's Latin American/Caribbean Office. A new regional development officer and assistant regional development officer were appointed in March, 1983, and responsibility for Anglophone Caribbean countries was transferred to the Latin American unit. The decision was also made to no longer offer "standard" U.S.-based training in Spanish or Portuguese.

The new staff reviewed JHPIEGO's projects in the region and consulted with JHPIEGO staff, project directors, USAID officials and representatives of international donor agencies working in health and population. Based on the findings, a two-prong strategy was defined to achieve JHPIEGO's objectives in the region. The strategies are: to use the reproductive risk concept described earlier in this report to provide a health rationale for family planning; and to promote regional and in-country training programs.

Since its inception, JHPIEGO has trained overseas and in the U.S. a total of 11,065: 2,343 physicians, 448 nurses, 233 administrators, 8,041 medical students, and student nurses from Latin America (Table 1B). Of the total, 91% were trained in regional and national training programs in Latin America. The remainder were trained in U.S.-based centers.

During FY'83, 5,192 persons received training (Table 1A). Of the total, 5,127 participants, or 99% were trained in in-country courses. Among these trainees were 4,867 medical and nursing students from Brazil, Guatemala, and Mexico who participated in reproductive health courses designed especially for university students. (Table 2A).

U.S.-Based Activities

During FY'83, JHPIEGO trained 65 physicians and administrators from Latin America at The Johns Hopkins Educational Center in Baltimore. The reduced number of Baltimore trainees relative to past years reflects an increased emphasis on in-country training in this region.

Twenty-four Brazilians participated in Reproductive Health for Administrators of Family Health and Family Planning Programs, given in Portuguese, and twenty-four participants from Central and South America attended Management of the Infertile Couple, given in Spanish.

In courses conducted in English, one physician each from Dominica, Guatemala, and two from Jamaica attended Promoting Reproductive Health Through the Management of Sexually Transmitted Diseases; one physician from Trinidad attended Academic Skills for Medical School Faculty in Reproductive Health; two Jamaican physicians attended Advances in Reproductive Health for Administrators of Family Health and Family Planning Programs; and one physician from Jamaica attended Microsurgery for Tubal Anastomosis.

In-Country Activities

During FY'83, JHPIEGO conducted in-country training programs in Brazil, Chile, Colombia, Costa Rica, Jamaica, and Mexico. This training included a wide variety of formats including programs to upgrade the skills of physicians and nurses in contraceptive technology and IUD insertion techniques, minilaparotomy for general practitioners, techniques of diagnostic and therapeutic laparoscopy for obstetricians and gynecologists, training in anesthesia for outpatient surgery as well as training of operating room nurses in laparoscopic maintenance and repair, and microsurgical training for selected obstetricians and gynecologists. Five university educational programs, three in Brazil, one in Mexico, and one in Guatemala train medical and nursing students in reproductive health. Projects implemented during the fiscal year are described later in this section.

Other important activities also were carried out in the region during the year. Clinical practice centers in Brazil, Colombia, Honduras, Jamaica, and Mexico were able to provide surgical training in mini-laparotomy and/or laparoscopy. Table 4

shows the number of health professionals trained at clinical practice centers in the region during FY'83.

Repair and maintenance centers in the region include those in Brazil, Colombia, Costa Rica, and El Salvador. These centers provide instruction in preventive maintenance and care of laparoscopic equipment to physicians and operating room support staff.

For the next fiscal year, several training projects are in process. Anticipated are the following:

- a minilap training program in Trinidad for physician/nurse teams from islands in the Eastern Caribbean.
- an IUD training project for general practitioners from the Colombian Social Security Institute.
- a continuing education course in reproductive health for rural physicians from the Costa Rican Social Security Institute, and selected regional trainees which will include clinical practice in IUD management.
- a university education project in reproductive health and family planning for medical and nursing students in Honduras.
- a pilot project in satellite education in the Caribbean which was developed in a workshop held in September, 1983 in Jamaica. JHPIEGO and UWI staff attended, as well as an expert in long-distance teaching from Memorial University in Newfoundland, Canada.
- a laparoscopy/contraceptive update program for Mexican physicians as well as physicians from other Central America countries, in Guadalajara, Mexico.
- a major training project funded through BEMFAM in the state of Pernambuco, Brazil. This project will train general practitioners in reproductive health and family planning, including minilaparotomy. A pilot project in developing a reproductive risk classification and referral system is also planned.

a major program with the Ministry of Health in Peru, training ob/gyn physicians in reproductive health and minilap, and general practitioners in reproductive health and IUDs. A pilot project in reproductive risk, similar to BEMFAM, is also planned.

Additionally, PROFAMILIA in Colombia will continue to be encouraged to conduct training for health professionals in the Latin American region.

The major in-country training programs operational during FY'83 are described below:

BRAZIL

Project Title: Brazilian Family Planning Training and Development Center

Grantee: Centro de Pesquisas de Assistencia Integrada a Mulher e a Crianca (CPAIMC)

CPAIMC, a private, non-profit agency, implemented this national training program in FY '80 to provide continuing education in reproductive health and fertility management to physicians, nurses, and anesthesiologists throughout Brazil. During '83 the Rio-based endoscopy program trained 48 ob/gyn physicians, 44 nurses and 9 anesthesiologists. The minilaparotomy training for general practitioners continued at CPAIMC regional training centers and produced 51 trainees.

For the next program year, a total of 30 physicians, and 40 nurses and anesthesiologists are to receive training in reproductive health courses; 70 physicians will be trained in minilaparotomy. Substantial training needs in laparoscopy have been met, and minilaparotomy training will continue to be emphasized to meet underserved rural areas. Activities of the Brazilian maintenance center operated by CPAIMC will also continue during FY'84.

University Education - Reproductive Health Education Programs (REHEP)

JHPIEGO began support for training medical and nursing students in reproductive health three years ago in Santa Maria. REHEP programs were subsequently begun in Belo Horizonte and Fortaleza. The three institutions responsible for implementing the programs are respectively, SMIRH, CEPECS, and SAMEAC. The 120-hour REHEP module has been adapted in each institution in accordance with available resources, scheduling constraints, and student interests. The mix of didactic, seminar, and clinical practice hours thus varies among the three institutions. REHEP's are elective, extension courses with diplomas granted by the corresponding universities.

Project directors have found during their experience with these programs, that clinical practice sessions are especially effective for students and are increasing these sessions relative to other portions of the program. The three programs are:

Project Title: Santa Maria Reproductive Health Education Program

Grantee: Santa Maria Institute of Reproductive Health (SMIRH)

During FY '83, the Santa Maria project trained 53 medical students, and 47 nursing students.

One hundred medical and nursing students will be trained during the next program year.

Project Title: Belo Horizonte Reproductive Health Education Program

Grantee: Centro de Estudos e Pesquisa Clovis Salgado (CEPECS)

The Belo Horizonte program at the Federal University in the state of Minas Gerais has trained 196 medical students and 53 nursing students in FY '83. Three hundred and twenty-five students are scheduled for the next program year.

Project Title: Fortaleza Reproductive Health Education Program
Grantee: Sociedade de Assistencia a Maternidade Assis Chateaubriand (SAMEAC)

The new Fortaleza program in the relatively underserved Northeast State of Ceara has trained 94 medical students and 11 nursing students during FY '83.

An evaluation of the three REHEP programs is planned during FY '84. Based on the results of this evaluation and the experience of each of the three projects, JHPIEGO will explore possibilities for continuing support for reproductive health education into other medical and nursing schools in Brazil and other developing countries.

COLOMBIA

Project Title: Colombian National Program of Pelvic Endoscopy and Surgical Techniques
Grantee: PROFAMILIA

PROFAMILIA, the IPPF affiliate in Colombia, administers this national training program. Through this program, PROFAMILIA has trained Ministry of Health physicians and nurse-technicians in endoscopy, minilaparotomy, operating room techniques, and use of local anesthesia. Training is generally conducted in teams, and takes place in 14 minilaparotomy clinical practice centers or eight laparoscopy clinical practice centers located throughout Colombia. During FY '83, laparoscopy training was completed; minilaparotomy training continued. During FY '84, Ministry of Health training needs in laparoscopy and minilaparotomy will be largely met and it is anticipated that this program will terminate. During FY '83, 13 physicians were trained in minilaparotomy, and 12 nurses were trained to provide assistance with the procedures in the operating room.

A microsurgery evaluation meeting was also funded under this year's program. Dr. John Rock, a Johns Hopkins University endocrinologist, consulted. During this meeting the Colombian Society for Microsurgery was founded.

Project Title: PROFAMILIA International Training in Surgical Contraception

Grantee: PROFAMILIA

PROFAMILIA also administers this major regional training program, whose purpose is to provide reproductive health and laparoscopy training to ob/gyn physicians, operating room nurses, and anesthetists from Bolivia, Ecuador, Peru and possibly other Latin American countries. In FY '83, 27 persons received training including 5 Peruvian teams (physician, nurse and anesthetist) and 4 Bolivian teams.

Although conceived as a one-time special project, this successful regional training effort will be continued in FY '84.

GUATEMALA

Project Title: Guatemalan Reproductive Health Education Program

Grantee: Association for the Protection of the Family (APROFAM)

This program trains fifth-year medical students at the University of San Carlos in reproductive health, family planning, and maternal and child health, in a thirty hour didactic course. In addition, student instructors from the Ministry of Health are trained in an update family planning course with clinical practice in IUD insertion and management.

During '83, 122 students were trained through this program.

In FY '84, it is expected that this project will continue at the same level. A similar project may be funded at a private university through the same grantee, APROFAM.

JAMAICA

Project Title: Jamaican Clinical Family Planning Training Program

Grantee: National Family Planning Board in Collaboration with the Jamaican Ministry of Health

This program, coordinated by the National Family Planning Board, updates Ministry medical and nursing primary health care personnel in clinical and organizational aspects of family planning. The course consists of week-end seminars for physicians, three-day seminars for the nursing personnel and clinical practice for each which includes IUD insertion.

Project Title: Pilot Satellite Education Program in Reproductive Health
for the Caribbean

Grantee: University of the West Indies in Jamaica

This pilot project is designed to demonstrate the use of the teleconferencing medium to help achieve the reproductive health goals of the Caribbean region. The objective of the program is to use the teleconferencing system of the University of the West Indies for the simultaneous presentation of reproductive health courses at five sites (Jamaica, Barbados, Trinidad, extension centers in St. Lucia and Dominica) to upgrade the knowledge and skills of physicians and other health professionals. A workshop which established the course content and target health personnel was held in Jamaica in September, 1983. Twelve courses for doctors and nurses are projected for early 1984. If successful, a similar approach could be adapted for use in other countries or regions such as Indonesia.

MEXICO

Project Title: Fertility Management Education - A Special Course for
Mexican Medical Schools

Grantee: Association of Mexican Medical Schools (AMFEM)

This project trains medical students from Mexican medical schools in family planning techniques. This very practical, fifteen-hour course approaches the medical student as user; the course "textbook" is a brown paper bag filled with samples of various contraceptives, which the project director has had donated through other sources. An offshoot of this

program is a similar five-hour course for non-medical audiences which AMFEM project staff has developed and for which they are seeking funds. During FY '83, 4,322 medical students from twenty-eight medical schools had participated in the program.

This program will be continued in FY '84 at the same level. JHPIEGO will also explore other types of continuing medical education that this talented project staff might undertake.

Microsurgery

In FY '83, two courses were conducted in the region in tubal microsurgery and the management and treatment of infertility, one in Chile and one in Mexico.

An evaluation of the Colombian microsurgery program was also funded under the in-country training agreement in Colombia (described earlier).

For FY '84, no further microsurgery courses are anticipated in the region.

The two FY '83 courses are described below:

CHILE

Project Title: Third Latin American Course in Tubal Microsurgery

Grantee: Hospital del Salvador, University of Chile

This course was attended by seven physicians; three from Chile, three from Brazil and one from Guatemala.

MEXICO

Project Title: Fifth Latin American Course in Tubal Microsurgery

Grantee: The Mexican Association of Gynecologic Endoscopy and Microsurgery

This course was attended by ten physicians: five from Mexico, three from Brazil, one from El Salvador and one from Peru.

5. Near East (Introduction)

Because of the large population of the countries located in the Near East, and the important need for reproductive health services in this region, JHPIEGO continues to focus attention in this area. A variety of types of educational programs have been developed to meet the needs of diverse target groups such as programs for specialists in obstetrics, gynecology, surgery, as well as medical students, nurses, and paramedics. A particular focus in many of the programs has been the development of strategies to reach rural service providers. Educational facilities in Egypt, Morocco, and Tunisia, also continue to be utilized as regional training centers in order to encourage the promotion of reproduction health in the region and in other African countries.

Since its inception, JHPIEGO has trained 1,743 physicians, nurses, and administrators from the Near East (Table 1B). A full 1,508, or 86% were trained at national and regional training centers (Table 2B). During FY'83, there were 287 persons trained from this region at U.S. and overseas centers (Table 1A). Over forty-five percent of the 287 participants attended clinical courses for physicians, and nearly fifty percent of the total attended clinical courses for nurses.

In support of this training and other activities related to program development, education, and equipment, JHPIEGO staff and consultants made 13 trips to 6 Near Eastern countries. As a result, regional training efforts in Tunisia were expanded and the long delayed program in Morocco was initiated. Not reflected in these travel figures are the consultants' visits arranged by project directors of in-country programs.

U.S.-based Activities

In addition to training health professionals abroad during FY'83, JHPIEGO provided reproductive health education in a wide variety of contexts to 12 physicians and administrators from the Near East at the Johns Hopkins Educational Center in Baltimore (Table 3A).

In-country Activities

JHPIEGO conducts a number of in-country programs in the Near East. Clinical practice centers, which provide surgical training in minilaparotomy or laparoscopy, are located in Egypt, Morocco, Turkey, and Tunisia. Table 4 shows by country that a total of 126 health professionals were trained at clinical practice centers during FY'83.

The ONPFP regional training center in Tunis continued to provide training for physicians, nurses and anesthesia personnel providing laparoscopy services. The Tunisian program was also expanded in FY'83 to include courses in reproductive health/family planning techniques, including IUD insertion, for Tunisian and regional physicians and nurses. JHPIEGO also assumed support of the repair and maintenance center in Tunis, Tunisia, in FY'83 and will continue this program in FY 1984.

On completion of the National Training Center facility in Rabat, the Moroccan training program resumed activities in FY'83 and provided training in family planning techniques including IUD insertion for Moroccan nurses, as well as training in laparoscopy for both Moroccan and regional physicians.

Major training programs which are conducted in the region are described below.

EGYPT

Project Title: Reproductive Health Training Center

Grantee: International Islamic Center for Population Studies
 and Research, Al Azhar University, Cairo, Egypt

The purpose of this program is to provide didactic and clinical training in modern techniques of endoscopy and reproductive health services to physicians and nurses primarily from Egypt, and secondarily, from African and Near Eastern institutions.

During FY'83, a total of 29 physicians and nurses were trained. Two physicians courses were conducted in March and May, with 21 participants, all Egyptian. The nurses' course held in July was attended by 8 nurses. Another nurses' course and two physicians' course will be conducted, during FY'84.

It is also anticipated that a microsurgery course for tubal anastomosis will be added to this program during FY'84.

EGYPT

Project Title: Shatby University Hospital, Human Reproduction Training Center

Grantee: Department of Obstetrics and Gynecology,
Shatby University Hospital
Alexandria University, Alexandria, Egypt

This agreement is intended to improve the health of women and children by extending didactic and clinical training in current techniques of family planning, endoscopy, and other fertility management procedures to physicians, general practitioners, and nurses from Egypt as well as African and Near Eastern institutions.

A total of 102 physicians and nurses were trained in this program during FY'83. Thirty physicians attended 3 laparoscopy courses which consisted of didactic and clinical training. Three reproductive health nurses's courses were conducted for a total of 36 participants and 3 IUD courses for a total of 36 participants. Of the 72 nurses, 2 were non-Egyptian. These two regional trainees were from Sierra Leone.

The IUD course for nurses was a new addition to the program and has been organized to meet the growing requirement for personnel of the Egyptian Government's IUD program.

In FY'84, in addition to the existing training courses for physicians and nurses, the program will emphasize performance of laparoscopic procedures under local anesthesia.

Other in-country Activities (Egypt)

A dean's Conference to standardize the reproductive health curriculum in all medical schools is planned for FY'84 with Assuit University. It has been approved by the JHPIEGO Board and is now awaiting AID approval.

Egypt serves as a regional training center for JHPIEGO, and the clinical practice centers at Al Azhar, Alexandria, and Assuit will also be continued during FY'84.

MOROCCO

Project Title: Moroccan National Educational Program in Reproductive Health, Endoscopy and Laparoscopy

Grantee: Ministry of Public Health

The purpose of this program is to provide didactic and clinical training in reproductive health to qualified obstetricians and gynecologists, surgeons, nurses and nurse midwives. Instruction includes didactic and therapeutic laparoscopy, reproductive health care, and management of fertility and infertility. Although during FY'81, 11 Moroccan nurses and nurse-midwives attended a three-week workshop in reproductive health which provided clinical practice in family planning techniques, further training activities were delayed through FY'82 due to delays in the opening of the National Training Center in Rabat. This center, however, officially opened and became operational in FY'83.

Three courses were held in FY'83 for a total of 33 Moroccan nurses and nurse-midwives, in reproductive health/family planning techniques, including IUD insertion. Also in FY'83, three courses in reproductive health/laparoscopy were held for a total of 21 Moroccan and 3 regional physicians. In FY'84, the Moroccan program will continue to offer laparoscopy training for Moroccan and regional physicians. Courses will also be conducted for Moroccan

and regional operating room nurses assisting physicians with laparoscopy procedures. The program will be expanded to include training for Moroccan and regional anesthetist technicians, and training for Moroccan physicians performing laparoscopy/endoscopy, in anesthesia techniques for such procedures.

TUNISIA

Project Title: Tunisian National Education Program in Reproductive Health, Endoscopy and Laparoscopy

Grantee: National Office for Family Planning and Population (ONPFP), Ministry of Health

The fiscal year 1983 Tunisian program represented the fifth year of collaboration between JHPIEGO and the ONPFP for in-country and regional training activities, which began in June 1978.

The purpose of the program was to continue support of the Reproductive Health Endoscopy and Laparoscopy Program for practicing surgeons, recently graduated Ob/Gyn surgeons, nurses and anesthesia personnel from institutions within the Tunisian Government Health System and from other Francophone African, French-speaking Caribbean and Near East countries with the objective to improve maternal and child health care and reduce maternal mortality and morbidity in these countries. In FY'83 the training program was expanded to include courses in reproductive health/family planning techniques, including IUD insertion, for Tunisian and Moroccan physicians and nurses.

During FY'83, training in laparoscopy was provided to 28 Tunisian and 20 regional physicians. Training was also provided to 8 Tunisian and 13 regional nurses assisting physicians with laparoscopic procedures in the operating theatre. Six Tunisian physicians, 13 Tunisian nurses, 11 regional physicians and 21 regional nurses attended the new family planning techniques component of the training program in FY'83. Eight Tunisian and six regional anesthetist technicians benefitted from update courses in local anesthesia

techniques, including conscious sedation, for laparoscopy, and 3 Tunisians and 8 regionals attended a similar anesthesiology course for physicians.

During FY'84, the physician laparoscopy, physician family planning, nurse family planning, anesthetist technician and physician anesthesiology courses will continue for Tunisian and a limited number of regional participants. Operating Room (O.R.) nurse training will not be offered in Tunisia during FY'84, as sufficient numbers of Tunisian O.R. nurses have been trained to date.

Other in-country Activities (Tunisia)

In FY'83, JHPIEGO assumed support of the Tunisian Repair and Maintenance Center in Tunis, which is under the auspices of the ONPFP. This activity will continue in FY'84.

JHPIEGO continued support in FY'83 of the clinical practical training agreement with the ONPFP to train regional physicians in a two-week diagnostic and therapeutic clinical laparoscopy course. Support for this training will continue in FY'84.

TURKEY

Project Title: Turkish National Endoscopy Program: A Program for Obstetricians, Gynecologists and Nurses

Grantee: General Directorate of Population and Planning,
Ministry of Health, Ankara, Turkey

The purpose of this project is to support a three- year in-country program for training government obstetricians, gynecologists, nurses, and technicians in techniques related to reproductive health. Such support is critical at this point since the Government of Turkey recently liberalized its family planning laws. Therefore, availability of trained personnel is now of increasing priority.

During FY'83, one physician and one nurses' course was held for a total of 17 participants. Fifteen physicians attended the didactic and clinical sessions. Two nurses received theoretical and practical training in laparoscopic maintenance. In the selection of

these trainees, priority was given to central, eastern, and southeastern provinces because of their predominance in national health services. Further training for physicians and nurses is planned.

Support for the laparoscopic maintenance center has continued.

In addition to the continuation of this training, planning will occur during FY'84 for a mini-laparotomy and, IUD training program for 30 physicians and 30 nurses to be developed at the Ankara Maternity Hospital, a Dean's Conference to standardize the Reproductive Health curriculum in Turkish Universities, and a microsurgery tubal reanastomosis center which will be established in Ankara.

The JHPIEGO International Council will meet in Turkey in early April 1984 which will hopefully provide further impetus for the development of family planning activities in this country.

D. U.S. EDUCATIONAL PROGRAMS (The Johns Hopkins University School of Medicine)

The Johns Hopkins Educational Programs for JHPIEGO

The continuation of training in the U.S. assists JHPIEGO staff in identifying key leaders in the field of reproductive health from developing countries. Such individuals, after meeting with JHPIEGO's regional office staff, often formulate strategies for the development of JHPIEGO-supported programs in their own countries as a result of their U.S. training. That this strategy has been successful can clearly be documented in reviewing the listing of JHPIEGO in-country project directors and staff. Virtually all project directors, and a significant number of project staff, have participated in one of JHPIEGO's U.S. educational programs. These JHPIEGO "Fellows" form a cadre of teachers for in-country programs. Recent examples of project directors who have attended a U.S. course, and later have returned to their countries to begin an in-country project are participants from Sierra Leone, Morocco, Jamaica, Nigeria, Zaire, and Brazil. A number of fellows from Francophone African countries who have recently participated in JHPIEGO programs are now in the process of submitting project proposals to JHPIEGO, which are expected to become operational during FY'84.

Under a tuition agreement with JHPIEGO, the Department of Gynecology and Obstetrics of the Johns Hopkins University School of Medicine organizes courses for physicians and other health personnel from developing countries. These courses are conducted at the Johns Hopkins Educational Center in Baltimore. JHPIEGO maintains a small staff known as the JHPIEGO International Training Center, which serves as a focal point for the trainees during their participation in the courses provided by Johns Hopkins. The JHPIEGO training officer monitors the courses provided by Johns Hopkins and coordinates with faculty of the Medical School's Department of Gynecology and Obstetrics for the development and presentation of these courses.

This year, 203 trainees (Table 3A) from 67 countries participated in U.S. based programs. More than half (55) of these countries were African. Greater than half of the

trainees were also from the African continent (102-including the four participants from Morocco and Tunisia). One new country was represented by the U.S. trainees, that being Guinea Conakry. For the first time, participants from Portugal and Guinea Bissau were represented in the JHPIEGO course for administrators. That course continues to serve the important purpose of mobilizing national support in the countries of the participants in the development of strategies to improve reproductive and maternal and child health care.

During FY'83, the following courses were conducted at the Johns Hopkins Educational Center:

- "Management of the Infertile Couple",
(offered once each in Spanish and English for a total of 50 participants)
- "Microsurgery for Tubal Reanastomosis",
(offered twice in English for a total of 11 participants)
- "Advances in Reproductive Health for Administrators of Family Health and Family Planning Programs",
(offered once each in English, French, and Portuguese for a total of 72 participants)
- "Academic Skills for Medical School Faculty in Reproductive Health",
(offered twice, in English, for a total of 23 participants), and
- "Promoting Reproductive Health Through the Management of Sexually Transmitted Diseases",
(offered once each in French and English for a total of 47 participants).

The major objective of all JHPIEGO courses is the improvement of reproductive health. To achieve this objective, there has been developed a core curriculum which addresses:

- The concept of reproductive health and the management of fertility,
- Critical issues in maternal and child health,

- Population growth and its relationship to health, economic welfare, social well-being, and
- Recent advances in the prevention and management of Infertility.

Each of the courses listed above has been described in past annual reports and will not be described in detail here. The reader may refer to JHPIEGO annual reports for FY'81 and FY'83 for a more detailed description of these courses.

Course content for all educational programs is continuously revised to reflect suggestions from trainees and current developments in the field. This year, for example, because of the increasing worldwide recognition of reproductive health problems related to sexually transmitted diseases and the lack of attention to this topic, a course entitled, "Promoting Reproductive Health Through the Management of Sexually Transmitted Diseases" (STDs) was developed. Emphasized in this course was the role of family planning methods in preventing pelvic infection and certain STD's. Participants in the first STD course, which was conducted in French, also participated in a special program, "Reproductive Health in the the 1980's", which was co-sponsored by JHPIEGO and the American College of Obstetricians and Gynecologists. This program was offered immediately following the Tenth World Congress of Obstetricians and Gynecologists, which was held in San Francisco in October, 1982.

Modifications were also made in other courses. For example, sessions were increased covering traditional methods of fertility regulation including natural family planning and breastfeeding. In the JHPIEGO administrators course, the decision was made to make the "Country Profile's" presented by course participants more useful, and were retitled "Project Profiles", which permitted course participants to discuss specific successful projects which they implemented in their respective countries, which may serve as examples to others in the course. Emphasis in the administrators course was also given to community-based distribution of contraceptives, social marketing strategies, as well as utilization of paramedics in the delivery of family health services.

In recognition of the fact that participants attending the academic skills course are motivated young clinicians, increased emphasis was given to discussion of teaching common clinical problems in obstetrics and gynecology. Participants were also provided greater exposure to grand rounds and teaching rounds scheduled at the Johns Hopkins Medical Institutions.

With specific regard to the administration of courses, the pre- post-test for each course was reviewed, and revisions made where appropriate. In addition, notebooks of lecture outlines were compiled and provided to each course participant.

Linkage with other donor agencies, including the Pathfinder Fund, Population Information Program, and INTRAH continued. Services and educational materials offered by these and other organizations were discussed, and in many of the courses, representatives of some of these other organizations were present, and were able to hold programmatic discussions with course participants. Such activities maximize the value of the participant's time spent in the United States and build on and supplement the efforts being made by JHPIEGO.

In March, 1983, the JHPIEGO Educational Center moved from the Hampton House, to the 550 Building at Johns Hopkins where the JHPIEGO core staff is located. This centralization of operations proved effective for a number of reasons: 1) It provided greater opportunities for interaction between JHPIEGO regional office staff, and course participants; 2) It provided training center staff opportunities to interact more effectively with the remainder of the JHPIEGO core staff, and 3) Administrative functions relating to participant travel and expense reimbursement was facilitated with the centralized staffing operations.

Major collaboration also occurred in provision of faculty for courses by the Centers for Disease Control, Atlanta. Representatives from CDC's Sexually Transmitted Diseases as well as Reproductive Health Division participated in the JHPIEGO STD and Administrators courses, discussing such topics as, "Strategies for Worldwide Management

and Control of Sexually Transmitted Diseases" and "Logistics of Drug and Contraceptive Supplies". It is expected that this collaboration will continue during FY'84.

At the request of the Agency for International Development, one course, the 1983 Spanish Administrators course was deleted from the originally planned course schedule. This action was supported by JHPIEGO since it was felt that U.S. based training objectives had been met for Latin America. The strategy was formulated that in the future only "special" courses for Spanish and Portuguese speaking participants would be held in the United States. Late in the fiscal year, plans were developed for a "special" reproductive health program for Peruvian health officials which was expected to be conducted in November, 1983, at the Johns Hopkins Educational Center.

E. SUPPORT OF EDUCATION AND TRAINING

1. Repair and Maintenance Centers

JHPIEGO continued to emphasize the development abroad of repair and maintenance centers for laparoscopic equipment. In FY'83, JHPIEGO supported existing repair and maintenance centers in Brazil, Colombia, Costa Rica, Ghana, Malaysia, Nigeria, the Philippines, Sudan, Thailand, and Turkey, and a new center in Tunisia. In El Salvador, a maintenance center for which no agreement has been signed continues to be supported by JHPIEGO at the request of AID.

Planned for FY'84 is the establishment of repair and maintenance centers in Ecuador and Haiti.

2. Site Visits and Meetings

In order to provide support for training activities, JHPIEGO staff and consultants make site visits to developing countries for the purposes described below. During FY'82, JHPIEGO arranged for staff and consultants to make 111 trips to 59 different countries. A total of 36 trips were made to 27 countries in Africa, 11 trips to 11 countries in Asia, 51 trips to 15 countries in Latin America, and 13 trips to 6 countries in the Near East. Not reflected in these figures are the consultants' visits arranged by project directors of in-country programs.

Program Development and Monitoring

Site trips for program development provide technical assistance, consultation, and advice. JHPIEGO staff and consultants make such trips in order to meet with key officials of ministries of health, medical institutions, and medical and nursing schools, to coordinate efforts with the USAID mission, to meet with key fiscal personnel to determine program requirements and costs, and to discuss with educational leaders the design and curriculum of courses.

Section II provides specific examples of how such site visits have resulted in the development of new or on-going in-country educational initiatives.

Site visits for monitoring are made to review the status of the program to determine that its goals and objectives are being met, to resolve difficulties, and to review or revise curriculum of courses and educational materials.

Installation and Instruction in Use of Laparoscopic Equipment

Field training visits made for this purpose are provided by JHPIEGO consultants to trainees who have completed clinical practice. The majority of consultants have been trained in JHPIEGO's U.S. didactic, regional, or national programs. Thus, with rare exceptions, consultants from less developed countries carry out these field visits to the institutions of trainees. Consultants instruct hospital staff in the care and maintenance of laparoscopic equipment and safe operative management. Upon completion of the consultant's field visit, the laparoscopic team is fully capable of carrying out laparoscopic procedures. The utilization of consultants from less developed countries demonstrates the institutionalization of JHPIEGO's efforts. The system has been adopted in most in-country programs because it has proven to be effective in providing the adequate training of skilled personnel and a reduction of the maintenance costs of sophisticated equipment.

Participation in International Conferences and Meetings

Such participation is undertaken to support the advocacy of reproductive health, to provide authoritative speakers for disseminating updated information in reproductive health, to provide momentum to existing programs by the presence of distinguished experts, and to lend support to programs in the developmental stage so that ministries of health and other groups may become more favorable to the objectives of the programs.

During FY'83, meetings were held of JHPIEGO's educational materials and equipment committees. These meetings are described in other sections of this report. Three special workshops or meetings were also organized. The first

being a post-graduate course, "Reproductive Health in the 1980's", co-sponsored with the American College of Obstetricians, and Gynecology, a Reproductive Epidemiology workshop held in Mombasa, Kenya, in May 1983, and a meeting of JHPIEGO project directors. The first two meetings are described in detail in other sections of this report.

Twenty-two JHPIEGO Project Directors from seventeen countries met in Baltimore in October, 1983, to evaluate the progress of in-country training and to review curriculum materials and content, teaching methods, training strategies, as well as surgical equipment utilized in programs. Another goal of the meeting was to provide an update on current reproductive health issues to the Project Directors in order that they be incorporated into their ongoing courses. To meet this objective, the Project Directors participated in the jointly sponsored JHPIEGO/ACOG post-graduate course entitled, "Reproductive Health in the 1980's", described earlier in this report. The Project Directors' meeting appeared to be a great success in facilitating JHPIEGO's in-country educational efforts. As a result of the meeting, it was concluded that:

1. The Project Directors felt that the current educational materials distributed by JHPIEGO were very good and quite useful in their programs. However, they felt there was additional need for French language materials.
2. Because of the simplicity of the laprocator, it would, in most cases, not be necessary to train technicians at companies in the United States.
3. There was great enthusiasm for the recently developed JHPIEGO courses on sexually-transmitted diseases, micro-surgery, and academic skills. A number of the Project Directors also thought that anaesthesia training overseas to promote the use of local anaesthesia should be encouraged.

4. The previously described Epidemiology Workshop for anglophone African countries was an important undertaking. The participants clearly felt that the support of research efforts in order to eventually improve services in major institutions such as medical schools or ministries of health was essential to improving reproductive health care in most developing countries.

When asked to do so, JHPIEGO offers to ministries of health, Ob/Gyn societies, and other professional organizations assistance in the form of staff and consultant participation in conferences and meetings which can be regional, national, or international in scope. During FY'83, JHPIEGO staff and consultants participated in the major conferences and meetings shown below.

Africa

- VIII Conference of the Kenya Obstetrical and Gynecologic Society
- Annual Meeting of the Centre for African Family Studies, Nairobi.

Asia

- XXVI All India Congress of Obstetrics and Gynecology
- Second International Conference of Obstetrics and Gynecology, Pakistan

Latin America

- VIII State Meeting of the Obstetrical and Gynecological Society of Brazil, Belo Horizonte
- University of West Indies Conference on Health Communication, Kingston, Jamaica

Near East

- Conference of the Royal Medical Society of Obstetrics and Gynecology, Casablanca, Morocco

United States

- American Public Health Association Meeting.
- Tenth World Congress of Obstetrics and Gynecology (FIGO) San Francisco, Calif.

3. Equipment

JHPIEGO continued to provide medical equipment (laparoscopic systems, teaching attachments, spare parts, microsurgery kits, compact light sources, and medical kits for minilaparotomy) to its affiliates overseas. Activity in the area of equipment is described more fully in Section III.

4. Educational Materials

Since appropriate educational materials are frequently unavailable in developing countries, JHPIEGO continued to complement its training efforts by providing books, audiovisual materials, and teaching models to its programs, and by developing pertinent educational materials. Activity in the area of educational materials is described more fully in Section III.

Section III

REVIEW OF OPERATIONS

A. ADMINISTRATION OF THE CORPORATION

1. Structure and Organization

The affairs of the JHPIEGO Corporation are managed by a Board of Trustees. The officers of the corporation are the Chairman and Vice-chairman of the Board, the President, the Treasurer, and the Secretary of the corporation.

The Board of Trustees is responsible for the management of the corporation. Its members are appointed by the President of the Johns Hopkins University. The trustees serve voluntarily, without salary reimbursement or consultant fees from the corporation. There are at present 8 trustees serving on the Board (Figure 2).

2. Officers of the Corporation

The President of the corporation is chief executive officer. He is responsible for administering the business and the affairs of the corporation. The President is selected by the Board of Trustees.

The Treasurer has charge and custody of and is responsible for all funds and securities of the corporation. The Secretary publishes the agenda and records, certifies, and maintains the minutes of the Board meetings. The Treasurer and Secretary are appointed by the Trustees.

The Director of the corporation is chief operating officer. He is responsible directly to the president for program development and implementation. Corporate officers are also listed in Figure 2.

3. International Council

An International Council of outstanding professionals from developing countries who are concerned about reproductive health is selected by the Board of Trustees and appointed by the President of JHPIEGO to provide advice and guidance on matters of program and policy. During FY'83, the International Council was comprised of the experts listed in Figure 3.

A number of the International Council Members attended the JHPIEGO Project Director's Meeting held in Baltimore in October 1983 at the Johns Hopkins University. This meeting provided for a productive interchange between council members and JHPIEGO's trustees and staff. Consequently, in the interest of effecting cost savings, JHPIEGO did not sponsor an International Council Meeting during FY'83.

Figure 2

BOARD OF TRUSTEES

Dr. J. Richard Gaintner
Trustee

President and Chief Executive
Officer, Albany Medical Center
(Medical School and Hospital)

Dr. Janet B. Hardy
Vice-Chairman,
Board of Trustees

Professor of Pediatrics and Emeritus Director,
Children and Youth Program
Johns Hopkins Hospital

Dr. John F. Kantner
Trustee

Professor of Population Dynamics
The Johns Hopkins University
School of Hygiene and Public

Dr. Theodore M. King
Trustee and President
of the Corporation

Vice President for Medical Affairs,
The Johns Hopkins Hospital

Dr. Richard P. Longaker
Chairman of the Board

Provost and Vice-President of Academic
Affairs, The Johns Hopkins University

Dr. Robert E. Reynolds
Trustee

Associate Dean for Administration,
The Johns Hopkins University School of Medicine

Dr. Harry Woolf
Trustee

Director of the Institute for Advanced Study,
Princeton

Dr. Richard Zdanis
Trustee

Vice Provost, The Johns Hopkins University

Officers of JHPIEGO Corporation

Dr. Theodore M. King
President

Vice President for Medical Affairs
The Johns Hopkins Hospital

Dr. Ronald T. Burkman
Director

Associate Professor
Department of Gynecology and Obstetrics
The Johns Hopkins University

Ms. Charolette G. Ellis
Secretary

Assistant to the President
of JHPIEGO

W. Thomas Barnes
Treasurer

Treasurer and Secretary
Johns Hopkins Hospital

Figure 3

THE INTERNATIONAL COUNCIL

- Dr. Helio Aguinaga
President CPAIMC
(Family Planning Health & Research Center)
Avenida Presidente Vargas, 2863
Rio de Janeiro, R.J. Brazil
- Dr. Tahar Alaoui
Professor Obstetrics and Gynecology
University of Mohamed V
Director of Technical Services
Ministry of Health
Rabat, Morocco
- Mme. Souad Chater
President/Secretary General
ONPFP (Office of Family Planning
and Population)
BP 55 - Belvedere Tunis
Tunisia
- Dr. Samir El Sahwi
Professor Obstetrics/Gynecology
Director, Shatby International
Center of Reproductive Biology
Shatby Maternity University Hospital
63 Horreya Street
Alexandria, Egypt
- Mrs. Florence Galloway
Consultant-Division Medicale
Eglise du Christ au Zaire
B.P. 4938
Kinshasa - Gombe, Zaire
- Mrs. Laurice V. Hunter-Scott
Principal Nursing Officer
Ministry of Health and Social Security
6 Carlisle Avenue
Kingston 8, Jamaica
- Dr. Suporn Koetsawang
Professor, Department Obstetrics
and Gynecology
Mahidol University Faculty of Medicine
Director Family Planning Research Unit
Siriraj Hospital
Bangkok, Thailand
- Dr. Oladapo Alabi Ladipo
Senior Lecturer
Consultant Obstetrician and
Gynecologist
University College Hospital
Ibadan, Nigeria
- Dr. Jorge Martinez-Manautou
Chief of Family Planning Services
Instituto Mexicano Del Seguro Social
Reforma 506, Piso 12
Mexico 6, D.F., Mexico
- Dr. S.N. Mukherjee
Deputy Commissioner
Department of Family Welfare
Ministry of Health and Family Welfare
New Delhi, India
- Dr. Carlos Munoz
President of the National Council
on Population
Avenida San Felipe 652
Lima, Peru
- Dr. Boniface R. Nasah
Associate Professor and Chief
of Obstetrics and Gynecology
CUSS
University Center for Health Sciences
University of Yaounde
P.O. Box 1364
Yaounde, The Cameroon
- Dr. Virgilio Oblepias
Director Fertility Care Center
Mary Johnston Hospital
Tondo, Metro Manila
The Philippines 3117
- Dr. Walter Rodriguez
Executive Director
BENFAM
Rua des Lararyeiras 308
Rio de Janeiro, Brazil
- Dr. Does Sampoerno
Dean, School of Public Health
University of Indonesia
Jakarta, Indonesia
- Dr. Fernando Tamayo
President PROFAMILIA
Calle 34 No. 14-52
Bogota, Colombia

B. OPERATING DIVISIONS OF THE CORPORATION

1. Director and Staff

The director of JHPIEGO is responsible for the development and implementation of JHPIEGO programs. He directs a line operation with supporting functional units, which provide operational and programmatic support. An organizational chart (Figure 4) is provided for reference on the following page.

Donor Support

During the fiscal year, more than 20 different foundations were contacted to solicit outside funding for JHPIEGO. An award was received from the Hewlett Foundation for support of training activities in China.

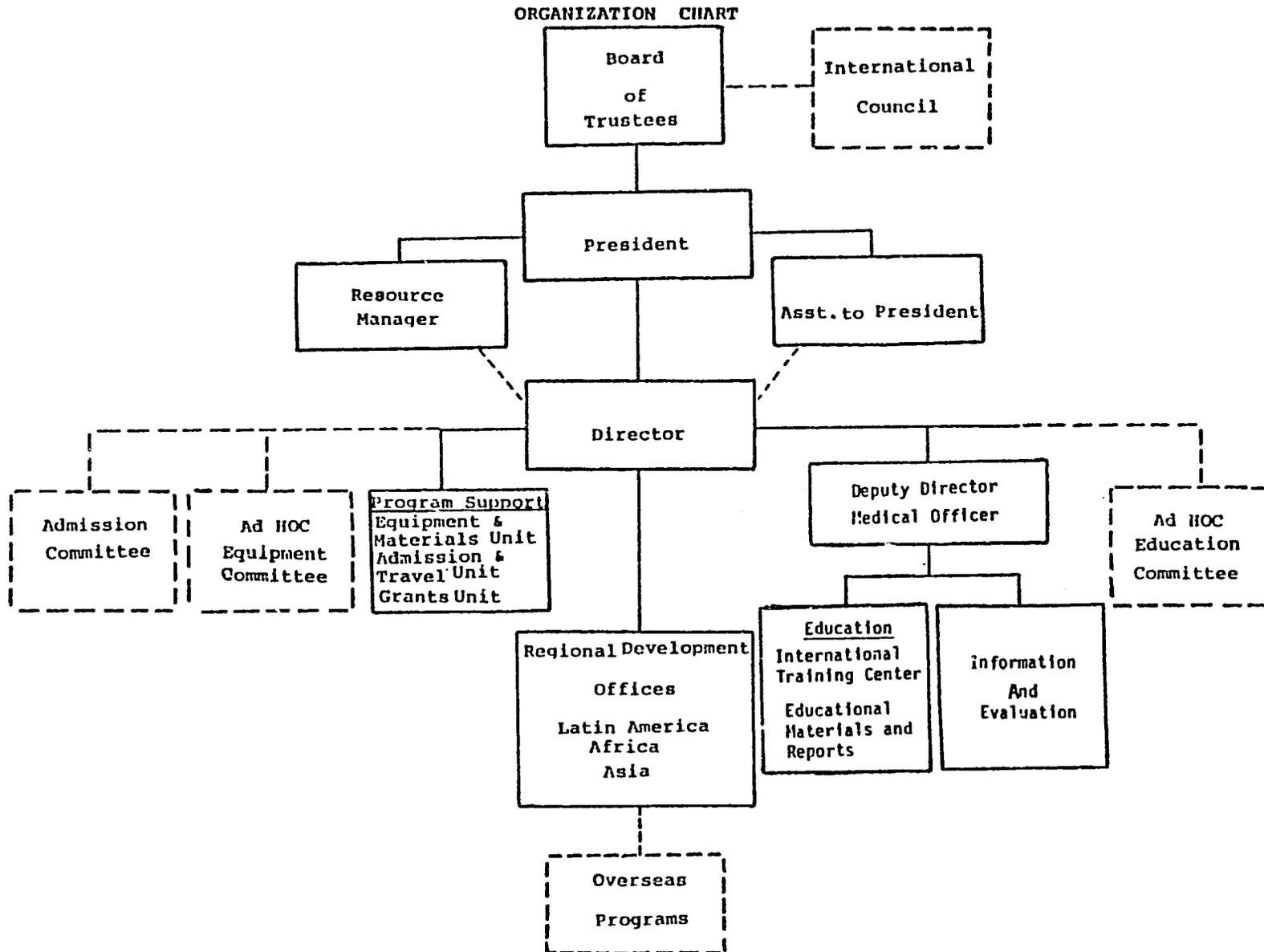
As noted later in this section, donor support in the form of educational materials for reproductive health was received from the American College of Obstetricians and Gynecologists, the International Planned Parenthood Federation, as well as the Centers for Disease Control.

In October, 1982, in collaboration with the American College of Obstetricians and Gynecologists, JHPIEGO conducted a post-graduate course "Reproductive Health in the 80's". Tuition money from this course allowed JHPIEGO to accumulate a small amount of "outside" funds that are non-restrictive in nature.

Coordination with Other Agencies

Meetings to coordinate programmatic activities with other AID intermediaries in order to avoid duplication of efforts, and discuss priorities continued during the year. Meetings were held with Development Associates, the International Project, Association for Voluntary Sterilization, (IPAVS), the Pathfinder Fund, the Division of Maternal and Child Health, World Health Organization, as well as the Program for International Training in Health (INTRAH). It is expected that these meetings will continue during the upcoming fiscal year.

FIGURE 4



Staff

To enhance the efficiency of support services and to insure greater compliance with the terms of its cooperative agreement, JHPIEGO restructured its internal organization during FY'83. The reorganization included the appointment of a Program Support Manager, with specialized experience with AID and federal regulations. The Program Support Manager provides overall supervision of all support units under the Director: Equipment, Admissions and Travel, and Grants.

Another aspects of reorganization has been the appointment of a Deputy Director who serves as a Senior Medical Officer with major responsibility for the educational and evaluative components of JHPIEGO programs. This obstetrician/gynecologist provides medical input into educational programs and projects, and will coordinate the review and evaluation of US and overseas educational efforts. In addition, this person also assumes responsibility for program development in several Francophone African countries.

Other staffing changes included the appointment of a new Regional Development Officer and Assistant Regional Development Officer for Latin America.

2. Assistant to the President

The Assistant to the President relates directly to the President and the Director of JHPIEGO, and is concerned with policy direction and program management especially as they relate to the requirements of AID and the JHPIEGO board of trustees. In addition to exercising oversight functions and developing corporate plans and requirements, efforts focused on refining within JHPIEGO an information systems for program and grant management. The Assistant to the President works closely with the office of Resource Management, the Grants Unit, and Information and Evaluation Services to develop a programmatic system for analyzing pipeline and determine funding requirements for the continuation of

agreements. Other major activities included preparing a revised financial plan for JHPIEGO through September, 1983, in preparation for a meeting with top level AID management. Furthermore, the Assistant to the President helped develop a proposal for a satellite educational program for the Caribbean which was implemented during the year.

3. Office of Resource Management

The Office of Resource Management is responsible for the fiscal and administrative management of the JHPIEGO Corporation. In order to ensure fiscal independence and the integrity of corporate fiscal activities, this office reports directly to the President of JHPIEGO.

During FY'83, the Resource Management Office continued to play an integral role in most affairs of the Corporation, offering administrative and fiscal support, as needed. Specific areas of accomplishments are described below.

Contracts

The major agreement with the Johns Hopkins University to provide administrative management services and support to JHPIEGO was renewed. The training agreement with the Johns Hopkins University School of Medicine was also renewed as was the Brethren Services Center contract for shipping and warehousing. The contract for audit services with Peat, Marwick, Mitchell and Company was also renewed. Numerous smaller service contracts were negotiated, as needed.

Monitoring

A major part of the support provided by this unit is the monthly reporting to each JHPIEGO office of financial activity for subgrants and contracts. These budget and fiscal status reports have proven to be a valuable tool to the JHPIEGO staff.

General Administration

This office continued to be the focal point for administrative affairs with the Johns Hopkins University. Since all JHPIEGO staff are Johns Hopkins University employees, the personnel management functions provided by this office continued to be a particularly important activity.

Subgrant Support

Another major function of resource management is the ongoing support of activity within training agreements. The review of training proposals requires verification of costs, as well as participation in the review and approval process. This office prepares the budget and justification of agreements, and reviews the actual agreement document.

Audit

The audit of qualifying subordinate agreements was coordinated by this office and will become an ongoing responsibility.

4. Regional Development Offices

Regional development offices for Africa, Asia/Near-East, and Latin America, are responsible for all JHPIEGO activities and projects in those regions. These activities include the stimulation and development of in-country programs, program implementation and analysis, and the monitoring of programs, and former trainees, as well as initiating appropriate follow-up activities.

Each office is headed by a Regional Development Officer and an Assistant Regional Development Officer. Broadly speaking, responsibility for activities in the various regions is divided along linguistic lines. For example, all Spanish-speaking countries in Latin America and the Caribbean fall within the purview of the Latin American Regional Office, while Francophone Caribbean, and most Near Eastern countries fall within the purview of the African Regional Office. The majority of

English-speaking countries in the Near East, and Asia, and some in Africa fall within the purview of the Regional Development Office for Asia and the Near East.

With the increase of activities in the African region, late in the fiscal year, it was decided to delegate responsibility for specific African countries to JHPIEGO's Deputy Director and Training Officer.

5. Program Support

The Program Support Unit is responsible primarily for the admissions and travel activities of JHPIEGO, and also provides assistance in the organization of national and international conferences and meetings.

The admissions component of the Program Support Unit assists Regional Development Officers in recruiting candidates for educational programs, processing applications, and scheduling and assigning participants to courses in the U.S. and overseas. During FY'83, recruitment was directed toward medical schools and teaching hospitals, with an emphasis on African countries. New countries reached through recruitment efforts were Guinea, Cook Islands, and The People's Republic of China (private funds). Recruitment was accomplished by coordinating with Regional Development Officers and with other donor organizations. In order to select participants for 29 courses both in the U.S. and overseas, 12 meetings of JHPIEGO's Selection Committee were convened during FY'83. More than 675 applications were processed through the admissions office during the year. Of these, 486 applications from candidates in 71 countries were presented at the meetings of the Selection Committee.

The travel component of the program support unit is responsible for planning and processing travel arrangements for all U.S. and overseas trainees, as well as all JHPIEGO staff and consultants. The travel office maintains curricula vitae for both U.S. and overseas consultants, and provides assistance in identifying consultants suitable for specific assignments as well as new consultants appropriate to training

activities. During FY'83, more than 400 trips were processed for trainees, consultants, and staff. Nearly 40% of these trips were made for program development and other educational initiatives overseas.

In addition to the usual activities of this Office, two major meetings were arranged and coordinated: the Project Directors meeting which was held in Baltimore in October of 1982 for 22 participants; and the Reproductive Epidemiology Workshop which was held in Mombassa, Kenya in May 1983, for 21 participants.

6. Grants

The Grants Unit is responsible for writing and processing subagreements with overseas institutions, participating in the review and approval process of training proposals, developing grant management systems for monitoring subgrant activity and reviewing and analyzing subgrant documentation for compliance with program objectives and the terms and conditions of the agreements. Other responsibilities include keeping abreast of changes required by the Office of the President and AID in the provisions and language of overseas subagreements and modifying the text of the agreements, as appropriate. Further, the unit serves as a resource for all JHPIEGO units in subgrant related matters.

During FY'83, this unit developed and processed 15 new agreements, 30 major program continuation amendments, 38 simple amendments and 9 letters of intent. For preparation of these documents, the unit participated in 120 proposal review meetings which required an extensive review and analysis of past accomplishments for the continuation proposals for ongoing programs. Immediately prior to the execution of each new agreement or program continuation amendment, the unit conducted an implementation meeting with appropriate JHPIEGO staff to review the basic format and documentation requirements of that agreement. The unit prepares a grant management manual for use by the project director of each

overseas program and the JHPIEGO Regional Development Officer which is presented during the meetings.

A total of 78 agreements with overseas institutions were monitored during the year which included issuing monthly an updated status report to reflect the cumulative program activities for 48 of these agreements. Plans are underway for the Grants Unit to assume responsibility for the audit resolution and audit closing process of all overseas subagreements.

Developed during FY'83 were procedures for the management of in-country special projects without sub-agreements funded through direct support. A total of seven such projects were monitored by this unit.

• Information and Evaluation Services

The Information and Evaluation Services Unit (IES) is responsible for the collection, maintenance, and analysis of JHPIEGO's data. In an effort to meet the information needs of the various offices, IES has developed an information system that has a computerized data base at its core. By continuously updating the various files that make up the data base, IES is able to provide the most current information available in a timely and efficient fashion. In addition, these files can be manipulated in such a way as to enable the unit to fill special requests for information.

IES continues to produce and distribute a computerized trainee directory to the Regional Development Offices. It also distributes, on a monthly basis, an equipment distribution list to the Equipment Unit. This list is also dispersed bi-annually to the Regional Development Offices. In addition, the transfer of title list, previously prepared on the Xerox 860, is now computerized and is distributed monthly to the Equipment Unit by IES. The unit routinely disperses participant lists that include the serial numbers of equipment located at the institutions represented on the list, equipment distribution lists, and demographic statements of countries to be visited

to Regional Development Officers prior to the RDO's intended visit. IES also generates and distributes quarterly training statistics. Finally, a computerized listing of all field visits made by JHPIEGO staff has been developed in fiscal year 1983.

In order to facilitate the use of its printouts, IES continues to refine the manner in which its information is presented. Consequently, the Alphabetical Index, a computerized printout of all JHPIEGO trainees, has been rearranged by country. Thus, one may now turn directly to a trainee's country and proceeding alphabetically, can locate the trainee's training data, address, and institutional affiliation. In addition, the Trainee Directory, a computerized printout of trainees divided according to JHPIEGO regions, is in the process of being redesigned. When completed, the directory will not only include information pertaining to the trainees, but also information germane to the equipment located at each of the institutions represented in the directory.

In addition to continuing its survey of U.S. trainers, IES is beginning a survey of in-country participants. The Annual Participant Survey (APS), designed for this purpose, has been translated into French, Spanish, and Portuguese. Surveys in these languages, as well as English, have been mailed to the project directors in countries where JHPIEGO is active. A Survey Information Manual which describes the purpose of the questionnaire, the purpose of each question on the survey, and the role of the project director in the administration of the survey process has been designed. The manual, which has been translated into French and Spanish, accompanies each group of questionnaires mailed. In addition to the surveys and Survey Information Manual, a mailing sheet, which is a computer-generated list of individuals who are to be surveyed in each country agreement, has been designed. This list is intended to assist administrators in monitoring the mailing and receipt of surveys. Furthermore, five mailing labels, also computer-generated, are provided

for each trainee on whom we have complete address information. As of the close of fiscal year 1983, Annual Participant Surveys from the Philippines and Brazil have been returned and have gone through the initial stages of processing; the data has been coded, keypunched onto a computer tape, and a computer file containing these data has developed. This information is now in the process of being analyzed.

IES' area of responsibility has expanded to include another form of data processing -- word processing, a system for the production of typewritten documents with automated typing and text-editing equipment. Formerly a part of Resource Management, all word processing operations are now coordinated by IES. The equipment used in this process now includes the Xerox 860 and Xerox 820.

Aside from its regular activities, IES has also been involved in a number of special projects. Its staff prepared a description of IES' data organization, maintenance, and reporting procedures for use by staff. Demographic statements and statistics were prepared for the country profiles. This information was used to facilitate the planning of program activities in developing countries. Finally, during the Project Directors Meeting held in October 1983, the role of evaluation at JHPIEGO and the use of the Annual Participant Survey were explained to the project directors by a member of the staff.

During FY'84, IES plans to continue to seek new ways to refine its operation so as to be able to continue to meet JHPIEGO's informational needs.

8. Equipment

The Equipment Unit continued during FY'83 to carry out functions in the areas of procurement, shipment, maintenance, and repair of medical equipment utilized in JHPIEGO programs. It also provided certain of these services for other AID-supported organizations. The Brethren Service Center (BSC) continued to serve as a warehousing and shipping facility. The Equipment Unit monitored the BSC subcontract and made the necessary shipping arrangements. Transfer of Title for

equipment provided by JHPIEGO to recipient institutions was documented by this unit. The Equipment Unit also provided the necessary repair service, spare parts, or modernized components, at either cost or no cost, whichever would best achieve the purpose of a program. Another aspect of service was the coordination of arrangements for training technicians overseas in the maintenance and repair of equipment, when JHPIEGO was requested to do so by a national organization, Ministry of Health, or USAID mission. Distribution logs were maintained on all equipment and spare parts.

The unit continued to coordinate for JHPIEGO procurement for the coming year all major laparoscopic systems, microsurgery kits, and spare parts. Laparoscopic systems and spare or replacement equipment for continued maintenance were procured through the GSA (Table 6).

During FY'82 JHPIEGO requested AID to establish a procurement procedure with the General Services Administration (GSA) for laparoscopic systems, spare parts and medical kits. Several orders were processed and during June of 1983 a vendor was established for Medical Kits and during July of 1983 a vendor was established for laproscator systems and spare parts.

During the middle of the Fiscal year FY'83, it became apparent that a stronger light source was required for the laproscator system. JHPIEGO furnished specifications to AID for a suitable and compatible compact light source and requested AID to establish a procurement procedure with the General Services Administration. An order for 200 was processed and subsequently pending receipt.

The Equipment Unit participated in site visits to JHPIEGO supported repair and maintenance centers in Sudan (Ministry of Health), Turkey (General Directorate of Family Planning and Maternal and Child Health), Thailand (National Family Planning Program), Nigeria (Femope Marketing Company) and Ghana (Ghana Police Hospital). It also trained 3 technicians in Sri Lanka on the care and maintenance of equipment

Table 6

Purchase Orders Placed for Equipment
for JHPIEGO

October 1, 1982 through September 30, 1983

1.	<u>Maintenance Support</u>	
	Spare Parts	\$229,168.12
2.	<u>Teaching Attachments</u>	9,180.00
3.	<u>Microsurgery Kits</u>	47,090.37
4.	<u>Compact Light Sources</u>	95,680.00
5.	<u>Medical Kits</u>	226,965.00
6.	<u>Major Equipment</u>	
	Laprocator TM Systems	332,037.00
	CO ₂ Supply Systems	<u>70,552.71</u>
	TOTAL	<u>\$1,010,673.20</u>

and site visited Tunisia (National Office of Family Planning and Population) to assist in the shift of responsibility of the RAM center previously supported by IPAVS, to JHPIEGO.

The Equipment Unit continued to assume the responsibility of procuring, warehousing, and shipping educational materials for use in JHPIEGO's training programs.

During the reporting period, major portions of activity in this unit were directed toward meeting the maintenance requirements of the equipment previously provided and in use in developing countries, as well as shipping the new equipment described in Table 7. Table 8 shows cumulative total of all equipment shipped by JHPIEGO for its programs, as well as for other AID-sponsored programs.

Institutions in Comoro Islands, Guinea Bissau and Mauritius were supplied laparoscopic equipment this year for the very first time. A total of 100 countries in the developing world are now utilizing the 1,621 JHPIEGO donated laparoscopic systems, (Table 8).

It should be noted that the total dollar value of spare parts shipped during FY'83 for JHPIEGO amounted to \$207,544.74. These figures represent a 56% increase of spare parts over FY'82 which was due to the increased number of systems distributed, age, normal utilization of spare parts, and the donation of \$34,528.20 of spare parts to PROFAMILIA of Colombia for the purpose of have a 2nd set of working instruments available for better utilization of their laparoscopic systems.

A meeting of the ad hoc Equipment Committee was held in Baltimore, Maryland the latter part of October 1983 in conjunction with the meeting of JHPIEGO's Project Directors. This meeting was described earlier in this report. At this meeting held every 2 years, new and on-going problems encountered with any aspect of the equipment provision program is discussed.

Table 7

Laparoscopic Systems
Shipped by JHPIEGO

October 1, 1982 through September 30, 1983

COUNTRY	LAPAROSCOPES
AFRICA	32
ASIA	25
LATIN AMERICA	88
NEAR EAST	68
TOTAL	213

Table 8

Laparoscopic Systems Shipped for
 JHPIEGO and Other Aid-Supported Programs
 Inception through September 30, 1983

	JHPIEGO	ISTP	USAID	OTHER
AFRICA	182	0	2	6
ASIA	395	22	246	207
LATIN AMERICA	683	11	48	314
NEAR EAST	361	8	6	68
TOTAL	1,621	41	302	595

9. Educational Materials

In addition to providing training and equipment, JHPIEGO donates and develops educational materials in support of its initiatives in the promotion of reproductive health care throughout the developing world. These materials include books, audiovisual aids, and anatomical models. Were it not for JHPIEGO, many of these items would not be available to complement training efforts abroad. In fact, the provision of such materials to institutions overseas often represents the only recent reference sources in reproductive health available in many locales.

The Educational Materials Unit has two broad functions. First, it coordinates with Regional Development Officers to review and update the components of the in-country educational packages for institutions, physicians, nurses, and medical and nursing students. With programmatic information provided by Regional Development Officers, inventory-related information provided by the Equipment Unit, and fiscal information provided by the Resource Management Office, the Educational Materials Unit projects the needs and the resources available for educational materials. Second, this unit is responsible for editing and/or supervising the production of various educational materials in English, French, and Spanish. The unit generates the JHPIEGO Newsletter and the JHPIEGO Corporation's annual report. The educational materials unit provides in-house editing and translation support as well.

A description follows of JHPIEGO's activity in the area of educational materials.

Educational Packages

Educational materials, distributed in educational packages, are normally provided to JHPIEGO-affiliated medical centers, teaching hospitals, and nursing and medical schools. The packages are available in English, French, and Spanish and are sent to trainees or to a trainee's institution, upon request of a JHPIEGO Regional

Development Officer. During FY'83, JHPIEGO shipped more than 1,000 educational packages to U.S. and in-country course participants. In cases where the provision of a complete educational package is not required, Regional Development Officers may request the shipment of specific items only.

During FY'83, JHPIEGO shipped to affiliated institutions and trainees educational books, films, and models valued at \$120, 594.00.

Educational Materials Committee

The JHPIEGO Educational Materials Committee consists of JHPIEGO's Director, Deputy Director, Regional Development Officers, Training Officer, and the Editor/Coordinator of educational materials. The full committee met in June, 1983. Throughout the year, a number of ad-hoc committee sessions were also held to review newly received materials. Members of JHPIEGO's Franco-phone Africa Office also met a number of times as a sub-committee of the entire group to focus on educational materials for the Francophone countries.

As a result of these meetings, it was recommended that certain items be deleted from some packages, with inclusion of more recent or comprehensive items. Major revisions were carried out of French educational packages, with the increased emphasis and attention being given to this region.

Manual of Human Reproduction

In June, 1978, JHPIEGO assumed responsibility for the distribution of the three-volume teaching aid, The Manual of Human Reproduction, edited by Dr. Howard C. Taylor. As discussed in previous annual reports, this manual has been an important teaching tool for medical institutions in developing countries.

In FY'83, JHPIEGO continued to seek funding for publication of a revised edition of this manual. Word was received late in FY'83, that the United Nations Fund for Population Activities as well as the Mellon Foundation were interested in supporting this project. Simultaneously, it was learned that Columbia University's

Center for Population and Family Health was interested in collaborating on the project. It was anticipated that meetings would be held early in 1984 to discuss implementation steps in the project.

Development of Educational Materials

During FY'83, JHPIEGO began distribution of the Spanish language edition of two equipment manuals, Laprocator:™ Preventive Care and Maintenance, and Advanced Laparoscopic Systems: Preventive Care and Maintenance. The manuals are provided to operating theater personnel as a guide to the preventive care and maintenance of laparoscopic equipment in order to assure proper utilization and longevity of equipment. Copies of either manual accompany any laparoscopic equipment donated by JHPIEGO and have been sent to previous recipients of laparoscopic equipment, as well.

Editing continued during FY'83 on the monograph, Reproductive Health in Africa. The monograph is based in part on the proceedings of a meeting of Kenya's Obstetric and Gynecologic Society, which was held in Nairobi. Once published, it will be one of the most comprehensive manuals that address reproductive health issues in Africa and should prove to be invaluable in the support of JHPIEGO's training efforts.

A manual for nurse-midwives, entitled An Introduction to Reproductive Physiology and Contraceptive Methods: A Programmed Instruction, was also produced during FY'83, and was made part of JHPIEGO's nurse educational packages.

A major new teaching tool for use in JHPIEGO's U.S. as well as overseas microsurgery courses was also developed, that being the instructional film, Principles of Gynecologic Microsurgery. This film demonstrates the application of microsurgical principles for tubal reanastomosis using simplified instrumentation.

Donated Educational Materials

In addition to the purchase of educational materials, JHPIEGO also receives materials at little or no cost from a variety of donor organizations. For example, in the past year, the American College of Obstetrics and Gynecology donated 43 sets of the Gynecologic Endocrinology Learning Program, which was developed by the Council on Resident Education in Obstetrics and Gynecology (CREOG). This package consists of 20 individual lectures on various aspects of gynecologic endocrinology. Each lecture is comprised of three components: booklet, audio tapes and slides to allow for maximum flexibility in the use of the program. The number of slides in the total package are more than 200. These materials will be provided to the graduates of JHPIEGO's microsurgery course and also will be distributed to Academic Skills and Infertility course participants.

Additionally, copies of People magazine were donated to JHPIEGO by the International Planned Parenthood Federation for distribution in JHPIEGO's Administrators course. JHPIEGO also continues to receive books at very low cost from Church World Services for inclusion in its educational packages. A variety of Materials from the Centers for Disease Control were received for use in a variety of programs. These included Sexually Transmitted Diseases Treatment Guidelines, wall charts on management and treatment of STD's, and late in the year, negotiations were completed to receive at no cost, 1500 copies of the book, Family Planning in Africa, which was published under the auspices of the Reproductive Health Division of C.D.C.

JHPIEGO Newsletter

This publication continues to communicate information on reproductive health to the JHPIEGO-trained network of health professionals around the world. The Newsletter is published in English, French, and Spanish. During the year, the Newsletter was published in January and September.

JHPIEGO Library

With the relocation of the JHPIEGO International Training Center to the 550 Building, the JHPIEGO library, previously located in the training center was moved into the JHPIEGO conference room. This increased the accessibility of the library collection to the JHPIEGO core staff, while continuing to serve informational needs of U.S. based course participants. The library has over 1200 books and journals, as well as related audio-visual materials.

SECTION IV
FISCAL REPORT

Fiscal Report

Recap A through recap E reports both AID grant awards provided to JHPIEGO through the combined authorized periods of both grants.

Recap F through recap I reports the AID grant pha-G-1064 which is no longer active but does carry a continued obligation of funds for subordinate agreements funded under the authority of the prime grant.

Recap J through recap N reports the current AID Cooperative Agreement DSPE-CA-0083. There is an additional three month period included in this report because the grant was extended through the balance of calendar year 1983 without additional funds. At the time of writing this report, negotiations were still in process for 1984 funding.

RECAP A
AID/pha-G-1064 and DSPE CA-0083

110

	Disbursements 07-01-74 thru 09-30-82	Disbursements 10-01-82 09-30-83	Proj. Disbursements & Unliquidated Obligations 10-01-83/12-31-83	TOTAL
Central Costs	9,216,971	1,656,456	449,512	11,322,939
Planning/Development	545,316	243,038	358,514	1,146,868
Equipment Cost	9,472,912	332,709	2,908,663	12,714,284
Training Cost	14,573,617	3,027,290	6,040,572	23,641,479
TOTAL	\$33,808,816	\$5,259,493	\$9,757,261	\$48,825,570

RECAP B
 AID/pha-G-1064 and DSPE CA-0083
CENTRAL COSTS

111

	Disbursements 07-01-74 thru 09-30-82	Disbursements 10-01-82 thru 09-30-83	Proj. Disbursements and Unliquidated Obligations 10-1-83/12-31-83	TOTAL
Salaries	4,609,218	943,134	203,186	5,755,538
Fringe Benefits	795,061	189,465	47,125	1,031,651
Consultants	113,582			113,582
Supplies	302,337	42,291	13,177	357,805
Travel	714,872	2,928	4,937	722,737
Office Equipment	76,256	8,824	9,171	94,251
Telecommunications	605,373	111,509	60,667	777,549
Space Cost	336,742	97,237	31,629	465,608
Audit Fees	5,518			5,518
Conference Cost	64,271			64,271
Other Direct	340,906	57,655	24,404	422,965
Indirect Cost	1,252,835	203,413	55,216	1,511,464
TOTAL	\$9,216,971	\$1,656,456	\$449,512	\$11,322,939

RECAP C
 AID/pha-G-1064 and DSPE CA-C083
PLANNING AND DEVELOPMENT

	Disbursements 07-01-74 thru 09-30-82	Disbursements 10-01-82 thru 09-30-83	Proj. Disbursements and Unliquidated Obligations 10-1-83/12-31-83	TOTAL
Consultants	19,900	8,770	1,900	30,570
Travel	356,962	153,521	70,896	581,379
Audit Fees		19,500	225,500	245,000
Conference Cost	19,518	7,572	5,127	32,217
Publications	81,967	23,828	11,063	116,858
Indirect Cost	66,969	29,847	44,028	140,844
TOTAL	\$545,316	\$243,038	\$358,514	\$1,146,868

RECAP D
 AID/pha-G-1064 and DSPE CA-0083
EQUIPMENT COSTS

	Disbursements 07-01-74 thru 09-30-82	Disbursements 10-01-82 thru 09-30-83	Proj. Disbursements and Unliquidated Obligations 10-01-83/12-31-83	TOTAL
Procurement	8,506,715	235,157	2,545,358	11,287,230
Repairs	229,268		15,000	244,268
Freight	374,947	53,524	182,137	610,608
Warehousing	262,282	36,535	138,568	437,385
Indirect Cost	99,700	7,493	27,500	134,793
TOTAL	\$9,472,912	\$332,709	\$2,908,663	\$12,714,284

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RECAP E
AID/pha-G-1064 and DSPE CA-0083
TRAINING COSTS

	Disbursements 07-01-74 thru 09-01-82	Disbursements 10-01-82 thru 09-30-83	Proj. Disbursements and Unliquidated Obligations 10-1-83/12-31-83	TOTAL
Participants Cost	3,363,676	699,593	193,208	4,256,477
Field Training	765,894	66,988	23,062	855,944
Educational Materials	624,965	243,304	439,985	1,308,254
Maintenance Agreements	92,658	105,332	156,379	354,369
National/Regional Progs.	3,110,836	1,150,859	3,658,811	7,920,506
Clinical Practice	395,942	55,089	237,485	688,516
U.S. Training Centers	5,643,921	331,323	320,335	6,295,579
Direct Support	536,248	235,654	734,738	1,506,640
Special Projects	39,477	139,148	276,569	455,194
TOTAL	\$14,573,617	\$3,027,290	\$6,040,572	\$23,641,479

RECAP F
AID GRANT pha-G-1064

	Disbursements 07-01-74 thru 09-30-82	Disbursements 10-01-82 thru 09-30-83	Unliquidated Obligations as of 08-31-80	TOTAL
CENTRAL COST	6,166,374			6,166,374
EQUIPMENT COST	9,151,955			9,151,955
TRAINING COST	9,860,437		118,804	9,979,241
TOTAL	\$25,178,766		\$118,804	\$25,297,570

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RECAP G
AID GRANT pha-G-1064
CENTRAL COSTS

	Disbursements 07-01-74 thru 09-30-82	Disbursements 10-01-82 thru 09-30-83	Unliquidated Obligations as of 08-31-80	TOTAL
Salaries	2,869,236			2,869,236
Fringe Benefits	463,691			463,691
Consultants	113,582			113,582
Supplies	224,155			224,155
Travel	702,703			702,703
Office Equipment	70,407			70,407
Telecommunications	369,604			369,604
Space Cost	162,543			162,543
Audit Fees	5,518			5,518
Conference Cost	64,271			64,271
Other Direct	242,146			242,146
Indirect Cost	878,518			878,518
TOTAL	\$6,166,374			\$6,166,374

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RECAP II
 AID GRANT pha-G-1064
EQUIPMENT COSTS

	Disbursements 07-01-74 thru 09-30-82	Disbursements 10-01-82 thru 09-30-83	Unliquidated Obligations as of 08-31-80	TOTAL
Procurement	8,372,434			8,372,434
Repairs	213,924			213,924
Freight	292,432			292,432
Warehousing	187,165			187,165
Indirect Cost	86,000			86,000
TOTAL	\$9,151,955			\$9,151,955

RECAP I
 AID GRANT pha-G-1064
TRAINING COSTS

	Disbursements 07-01-74 thru 09-30-82	Disbursements 10-01-82 thru 09-30-83	Unliquidated Obligations as of 08-31-80	TOTAL
Participant Cost	1,805,917			1,805,917
Field Training	581,997			581,997
Educational Matls.	337,954			337,954
Maintenance Agreements	26,493			26,493
National/Regional Pgms.	1,271,505		118,804	1,390,309
Clinical Practice	213,171			213,171
U.S. Training Centers	5,294,769			5,294,769
Direct Support	328,631			328,631
TOTAL	\$9,860,437		\$118,804	\$9,979,241

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RECAP J
AID GRANT DSPE CA-0083

	Disbursement 09-01-80 thru 09-30-82	Disbursement 10-10-82 thru 09-30-83	Proj. Disbursements and Unliquidated Obligations 10-01-83 thru 12-31-83	TOTAL
Central Cost	3,050,597	1,656,456	449,512	5,156,565
Planning and Development	545,316	243,038	358,514	1,146,868
Equipment Cost	320,957	332,709	2,908,663	3,562,329
Training Costs	4,713,180	3,027,290	5,921,768	13,662,238
TOTAL	\$8,630,050	\$5,259,493	\$9,638,457	\$23,528,000

RECAP K
AID GRANT DSPE CA-0083
CENTRAL COSTS

	Disbursements 09-01-80 thru 09-30-82	Disbursements 10-01-82 thru 09-30-83	Proj. Disbursements and Unliquidated Obligations as of 10-01-83 thru 12-31-83	TOTAL
Salaries	1,739,982	943,134	203,186	2,886,302
Fringe Benefits	331,370	189,465	47,125	567,960
Supplies	78,182	42,291	13,177	133,650
Travel	12,169	2,928	4,937	20,034
Office Equipment	5,849	8,824	9,171	23,844
Telecommunications	235,769	111,509	60,667	407,945
Space Costs	174,199	97,237	31,629	303,065
Other Direct	98,760	57,655	24,404	180,819
Indirect Cost	374,317	203,413	55,216	632,946
TOTAL	\$3,050,597	\$1,656,456	\$449,512	\$5,156,565

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RECAP L
 AID GRANT DSPE CA-0083
PLANNING AND DEVELOPMENT

	Disbursements 09-01-80 thru 09-30-82	Disbursements 10-01-82 thru 09-30-83	Proj. Disbursements and Unliquidated Obligations as of 10-01-83 thru 12-31-83	TOTAL
Consultants	19,900	8,770	1,900	30,570
Travel	356,962	153,521	70,896	581,379
Audit Fees		19,500	225,500	245,000
Conference Cost	19,518	7,572	5,127	32,217
Publications	81,967	23,828	11,063	116,858
Indirect Cost	66,969	29,847	44,028	140,844
TOTAL	\$545,316	\$243,038	\$358,514	\$1,146,868

RECAP M
 AID GRANT DSPE CA-0083
EQUIPMENT COSTS

	Disbursements 09-01-80 thru 09-30-82	Disbursements 10-01-82 thru 09-30-83	Proj. Disbursements and unliquidated Obligations as of 10-1-83 thru 12-31-83	TOTAL
Procurement	134,281	235,157	2,545,358	2,914,796
Repairs	15,344		15,000	30,344
Freight	82,515	53,524	182,137	318,176
Warehousing	75,117	36,535	138,568	250,220
Indirect Cost	13,700	7,493	27,600	48,793
TOTAL	\$320,957	\$332,709	\$2,908,663	\$3,562,329

RECAP N
AID GRANT DSPE CA-0083
TRAINING COSTS

	Disbursements 09-01-80 thru 09-30-82	Disbursements 10-10-82 thru 09-30-83	Proj. Disbursement and Unliquidated Obligations 10-01-83 thru 12-31-83	TOTAL
Participant Cost	1,557,759	699,593	193,208	2,450,560
Field Training	183,897	66,988	23,062	273,947
Educational Materials	287,011	243,304	439,985	970,300
Maintenance Agreements	66,165	105,332	156,379	327,876
Natl/Regional Programs	1,839,331	1,150,859	3,540,007	6,530,197
Clinical Practice	182,771	55,089	237,485	475,345
U.S. Training Centers	349,152	331,323	320,335	1,000,810
Direct Support	207,617	235,654	734,738	1,178,009
Special Projects	39,477	139,148	276,569	455,194
TOTAL	\$4,713,180	\$3,027,290	\$5,921,768	\$13,662,238

APPENDIX

HISTORY OF JHPIEGO

The JHPIEGO Corporation was created as a result of a 1973 study carried out by the Johns Hopkins University through the support of a planning grant from the Agency for International Development (AID).

The findings of the study were presented in December 1973 to a committee of international experts and an advisory committee from the Johns Hopkins University. The groups recommended jointly that steps be taken to design the structure and develop the by-laws of a university-affiliated corporation which would organize and implement a program for international education in gynecology and obstetrics. Its purpose would be to upgrade the knowledge, skills, and technology of obstetricians, gynecologists, and other qualified professionals in the developing world, to make a critical evaluation and advance the diffusion of new methods of promoting reproductive health as they are developed, and to encourage the integration of those methods into the daily practices of medical professionals.

The JHPIEGO Corporation was awarded an AID grant in June 1974 to enable that institutional model to serve as an agent to coordinate and lead collaborating institutions in the U.S. and interested developing countries in their participation in the program for international education in gynecology and obstetrics. JHPIEGO would not only provide educational leadership, but would also serve in a facilitative capacity to mobilize resources and channel funds and equipment to the educational institutions participating in its program.

In September 1980, AID and JHPIEGO signed a cooperative agreement for the continued support of JHPIEGO. The signing of that agreement ensured that JHPIEGO would have the means to continue to organize educational programs for the purpose of upgrading the knowledge, skills, and technology of obstetricians, gynecologists, and other qualified health care personnel in less developed countries in order to promote the

mutual goals of AID and JHPIEGO. This agreement was renewed in September 1983, assuring JHPIEGO's continued program operation for another 3 years.

Since its inception, JHPIEGO has undergone a process of evolution. Initially, major educational and training programs were conducted by the Department of Gynecology and Obstetrics of the Johns Hopkins University, the Washington University in St. Louis, the American University in Beirut, and the University of Pittsburgh in collaboration with the Western Pennsylvania Hospital. The directors of these centers and JHPIEGO staff formed a council of associates to select physicians from developing countries to receive training and to consider equipment, curriculum, and policy. Cadres of physicians from leading institutions in less developed countries were brought to the JHPIEGO-supported centers named above for intensive short-term postgraduate courses emphasizing high-risk pregnancy, the management of fertility and infertility, surgical contraception, and other broadly-based postgraduate courses promoting the improvement of reproductive health.

At the time of the program's inception, it was thought to be possible to provide, in addition to didactic instruction and clinical observation (Phase I of the program), some personal participation in clinical practice at the institutions affiliated with JHPIEGO. This soon became unfeasible, so instead, physicians were, and continue to be, sent to clinical practice centers for technical training and clinical experience (Phase II), usually following the didactic phase of their course at the Johns Hopkins Educational Center. Once a physician's competence has been certified by the directors of the educational and clinical practice centers, JHPIEGO ships the appropriate surgical equipment to the physician's home institution. The shipment of equipment is followed by a field visit by a JHPIEGO consultant (Phase III) to install the equipment, observe the physician's ability to use the equipment in his/her home institution, and acquaint operating room staff with the importance of the care and maintenance of the equipment.

At present, JHPIEGO maintains only one educational center in the U.S., the Johns Hopkins Educational Center. This reflects the shift of JHPIEGO's focus from U.S.-based training to the development of in-country educational centers. These centers continue to be established in developing countries to meet the demand for training which has been generated by the large cadre of JHPIEGO-trained physicians who have expressed an interest in developing such programs in their own countries. In addition to utilizing the "phase" model of training outlined above, the overseas centers have adapted numerous other models of training to respond to local needs and objectives.

The courses offered at the Johns Hopkins Educational Center, too, have undergone a process of evolution. The initial course for clinicians, conducted only in English and Spanish, has given rise to 5 other courses, which include infertility, microsurgery, administration, academic skills, and sexually transmitted diseases.

Detailed descriptions of program activities abroad and in the U.S. appear in other sections of this report.