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QUARTERLY REPORT #15

(January - March 1982)

MEDEX PHASE III, Primary Health Care Systems
Contract No. AID/DSPE-C-0006



University of Hawaii at Manoa

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2.(a)(1) Exploratory briefings in LDCs; informational briefings with AID Missions and host officials:

No action this quarter.

2.(a)(2) Exploratory briefings in LDCs; seminars for Ministry of Health officials, health planners, and other leaders within the medical community:

Drs. Shoukry and Nassar from Egypt attended a primary health care seminar at the HMDS office, March 17.

2.(b) The Contractor shall draft, develop and produce 200 sets of training modules and related teaching materials for the following four specific categories of training:

2.(b)(1) MEDEX Training Modules:

Three modules were typeset this quarter: Overview; Common Problems - Respiratory and Heart; and Common Problems - Dental, Eyes, Ears, Nose and Throat.

Three modules were printed this quarter: Overview; Common Problems - Skin; and Common Problems - Dental, Eyes, Ears, Nose and Throat. Nine copies of the Overview paper and nine copies each of the student text and the instructor's manual for the booklet combining the Skin and DEENT modules were delivered to AID in March.

Mr. David Alt, with Dr. Rodney Powell and Mr. Frank White, gave detailed presentations of the status of HMDS's module development to appropriate staff from AID's Science and Technology/Health Branch and to representatives of the regional bureaus on March 15 and 16.

Network resident Mr. William Callen wrote a draft of the Curriculum Adaptation Manual, making the material self-explanatory.

Network resident Ms. Mickey Knutson reviewed and reorganized the Instructor Preparation Manual to make the material self-explanatory.

Network resident Ms. Sherry Erzinger wrote a draft of Identifying the Preventive Health Needs of the Community.

A rough draft of Working with Community Health Workers is being developed in Lesotho.

The editorial associate review was completed for Common Problems - Respiratory and Heart. The module was approved by the Curriculum Board and has been typeset. It is now being pasted up.

The editorial associate review was completed for Common Problems - Gastrointestinal.

Medical and educational associate reviews were completed for Common Problems - Genitourinary and for Common Problems - Infectious Diseases.

The medical associate review was completed for Common Problems - Trauma and Emergency and for Other Medical Problems. Consultant Dr. Mona Bomgaars completed the medical associate review for Prenatal Care.

Editorial associate review and Curriculum Board review and approval completed for Diseases of Infants and Children.

Educational, communication, and editorial associate reviews were completed for Child Spacing.

2.(b)(2) Management Training Modules:

Mr. Ernest Petrich met in January with Dr. George Coleman of Development Associates, Washington, D.C., to discuss possible collaboration on the development of management training materials. He also met with Dr. Jeanne North, AID's Office of Development Administrations, to discuss technology development activities and current state of the art in management training and management systems development.

Mr. Petrich met in London with staff at AHRTAG to discuss appropriate technology of information systems and other information related to the development of HMDS's Systems Analysis Workbooks. He met with staff at the International Hospital Federation about current state of the art in training for health services administration, and discussed the current status of HMDS's Management Analysis Training Module and the associated Systems Analysis Workbooks.

The final draft of the Management Analysis Training module was completed. The student text, the instructor's manual, and two

associated workbooks (Drug and Medical Supply System Workbook, and Transportation System Workbook) were sent to people in Bangladesh, Guyana, Lesotho, Nepal, the East and Southern African Management Institute in Tanzania, and the USA for field review.

The final draft of the General Supply System Workbook, associated with the Management Analysis Training module, was completed this quarter. This workbook is now ready for field testing.

Consultant Ed Rizzo designed and prepared a first draft of the Personnel System Workbook for the Management Analysis Training module.

The final draft was written for Working with the Health Team.

Management and educational associate reviews were completed for Working with Support Systems.

2.(b)(3) Community Health Worker (CHW) Training Modules:

Field testing was completed in Lesotho for the eight prototype modules for training CHWs: Working in the Community, Healthful Living Practices, Caring for Pregnant Women, Assisting a Normal Birth, Child Spacing, Child Care and Nutrition, Prevention and Care of Diarrhea and Dehydration, and Prevention and Care of Illnesses and Emergencies.

2.(b)(4) Continuing Education Materials:

No action this quarter.

2.(c) Technical assistance and leadership in conducting training programs and project planning in LDCs:

At the request of USAID/Pakistan, Mr. Petrich served as the management/logistics specialist on the project paper design team for the Pakistan Primary Health Care Project. On his return home, he stopped in Washington, D.C., to discuss his work in Pakistan with AID's Asia Bureau officials, and staff of ST/Health including Dr. Rosalyn King and Dr. Cliff Pease.

Dr. Richard Smith met in Geneva with World Health Organization personnel. This meeting was arranged by the Division of Health Manpower Development and the Division of Strengthening of Health Services. Dr. Smith was asked to consider guidelines for organizing primary health care at the community level. This meeting provided an opportunity to coordinate the philosophy, content, and methods of management (implementation and support) of primary health care at the peripheral level.

2.(c)(1) Technical guidance in project design to USAID Missions and/or host governments in those LDCs where a decision has been made to pursue a MEDEX Primary Health Care program:

No action this quarter.

2.(c)(2-6) Curriculum Adaptation Workshops, Teacher Training Workshops, Management/Logistics Workshops, Preceptor Deployment Workshops, and Continuing Education Workshops:

No action this quarter.

2.(c)(7) Evaluation Workshop:

Dr. Robert Mack was in Guyana for a month to assist the Ministry of Health to develop an evaluation design for evaluation of Guyana's primary health care program, and to help plan and conduct an evaluation workshop for Ministry of Health personnel. Dr. Mack met in Washington, D.C., with AID's Guyana Desk Officers and staff of ST/Health to debrief them on his work in Guyana.

2.(d) Network strengthening and strategizing:

2.(d)(1) Mobilization of U.S. MEDEX expertise and experience through a network organization of U.S. universities with MEDEX experience:

The Southeast Asian Regional Office of the World Health Organization requested that a representative of the MEDEX network provide a consultant to them. Dr. Andrew Penman, MEDEX/Washington, went to

Kalutara, Sri Lanka, January 1-23, to assist the staff of the National Institute of Health Sciences to plan, organize, and conduct a workshop to train the teachers of primary health care workers.

Ms. Mickey Knutson, MEDEX/North Dakota, was in Honolulu for residency training January 3-31. See Section 2.(b)(1).

Mr. William Callen, MEDEX/Washington, was in Honolulu for residency training February 25 - March 24. See Section 2.(b)(1).

Ms. Sherry Erzinger, MEDEX/Washington, worked in Seattle on an HMDS module. See Section 2.(b)(1).

2.(d)(2) Inclusion in the network of those institutions within LDCs which will have become centers of MEDEX expertise:

No action this quarter.

11. Contract amendment for the services of a development communications specialist, to bring the expertise and findings of development communications to bear on the planning, design, and eventual implementation of MEDEX projects in developing countries.

Mr. Sunil Mehra continued his work in Lesotho on the development and field testing of community health worker modules. On his return home from Lesotho, he met in London with representatives from AHRTAG and TALC at the Institute of Child Health, and with appropriate staff at the Institute for Development Studies of the University of Sussex. Since his return to Honolulu, he has been assessing the experiences and materials gathered in Lesotho. This information will be used in the development of prototype CHW modules.

III. Other Information:

A. Travel by HMDS personnel:

Robert W. Mack, M.D., to Georgetown, Guyana, and Washington, D.C., January 7 - February 9. See Section 2.(c)(7). Funded by MEDEX/Guyana.

Mr. Ernest Petrich, to Washington, D.C., January 11-13. The HMDS core contract paid per diem for 1.75 days and miscellaneous expenses. There were no travel costs since Mr. Petrich was already on the east coast. See Section 2.(b)(2).

Mr. Petrich, to Islamabad, London, and Washington, D.C., February 15 - March 28. See Sections 2.(c) and 2.(b)(2). USAID/Pakistan paid for Honolulu-Islamabad-Honolulu airfare and for per diem and expenses while in Pakistan and during permitted rest stopovers. The HMDS core contract paid for minor additional airfare to convert the round-trip ticket into

a round-the-world ticket and for per diem and expenses while in London and Washington, D.C.

Richard A. Smith, M.D., M.P.H., to Geneva and Washington, D.C., February 16 - March 15. See Section 2.(c) for his work in Geneva. In Washington, D.C., he met for two days with AID officials in ST/Health and health personnel in the Latin American and African Bureaus to discuss the status of HMDS's module development and possible technical assistance by HMDS to primary health care projects. WHO paid for Honolulu-Geneva-Honolulu airfare, per diem, and miscellaneous expenses while in Geneva. The HMDS contract paid for per diem and expenses incurred while Dr. Smith was meeting at AID.

Mr. Frank White, to Washington, D.C., March 12-19. Mr. White briefed Dr. Rosalyn King, HMDS's new project manager, on the status of our contract. Also see Section 2.(b)(1).

Mr. David R. Alt, to Washington, D.C., March 13-19. See Section 2.(b)(1).

Rodney N. Powell, M.D., M.P.H., to Washington, D.C., March 13-19. Dr. Powell briefed Dr. King on the status of our contract. Also see Section 2.(b)(1).

B. Consultants:

Mr. E. Edward Rizzo, in Brookeville, Maryland, January 4-22. See Section 2.(b)(2).

Mona R. Bomgaars, M.D., M.P.H., in Honolulu for 15 hours this quarter. See Section 2.(b)(1).

C. Visitors to HMDS:

Ms. Jean Pease made a project management review visit to Honolulu January 18-22. She reviewed core budget requirements for the balance of HMDS's contract, especially with regard to where possible funding shortfalls will affect the core contract. She discussed the status of materials development, plans for the use of published documents and their distribution, staffing requirements for the balance of the core contract, the phase out of HMDS's sub-contract with network schools, and HMDS's future relationships with the network institutions.

D. Significant Core Staff Time Devoted to Country Project Activities:

Dr. Mack in Guyana, see Section 2.(c)(7).

E. Recruitment and personnel:

Ms. Eve Perlberg was hired January 13 as a Typesetter-Typist.

Ms. Teresa Hanifin was hired January 25 as a part-time Paste-Up Artist for the modules.

Ms. Lorna Smith was hired February 8 as a part-time Editor for the modules.

Ms. Linda Lau was hired for February 16 - March 5 as an Assistant Production Coordinator.

Indermohan Narule, M.D., a graduate student in the School of Public Health, was hired March 11 as a Manpower Development Specialist. Mr. Narule will work part-time for HMDS to write and review MEDEX training modules.

F. Contract Amendment

The HMDS core contract was amended in February. The Objective was expanded so that HMDS can provide technical assistance, as requested by AID missions, for selected component parts of other health manpower development and primary health care service delivery programs (in addition to MEDEX primary health care programs). The amendment also specifies that HMDS will produce 200 sets of training modules, see Section 2.(b).

IV. FISCAL STATUS, January - March 1982

<u>Budget Category</u>	<u>Total Awarded* Yrs. 01-04</u>	<u>Previous Expenditures/ Encumbrances</u>	<u>15th Quarter E&E</u>	<u>Total E&E to Date</u>	<u>Balance</u>
Salaries	\$1,891,422	\$1,480,185	\$168,136	\$1,648,321	\$243,101
Consultant Fees	102,267	92,107	0	92,107	10,160
Fringe Benefits	311,846	222,779	24,753	247,532	64,314
Overhead	493,862	381,407	34,146	415,553	78,309
Office Rental	196,549	164,993	17,020	182,013	14,536
Travel & Transportation	227,257	201,812	3,376	205,188	22,069
Allowances	102,887	64,846	1,573	66,419	36,468
Other Direct Costs	204,478	155,833	25,132	180,965	23,513
Equipment, Materials and Supplies	157,109	126,022	2,941	128,963	28,146
Sub-Contracts	<u>616,723</u>	<u>525,731</u>	<u>0</u>	<u>525,731</u>	<u>90,992</u>
TOTAL	\$4,304,400	\$3,415,715	\$277,077	\$3,692,792	\$611,608

*Note that these figures only include eleven (11) months of Year 04.

V. MEDEX PHASE III PROJECT STATUS
 Summary of activities for Quarter #15

<u>Services</u>	<u>Provided This Quarter</u>	<u>Cumulative Total</u>
Exploratory Briefings		19
In LDCs	0	
Other	0	
PHC Seminars Conducted		17
In LDCs	0	
In Honolulu	1	
Elsewhere	0	
Module Development		
Active this quarter	36	N/A
Typeset (Overview, Respiratory & Heart, DEENT)	3	4
Printed (Overview, Skin, DEENT)	3	3
Delivered to AID (Overview, Skin, DEENT)	3	3
Technical Assistance (Number of Visits)		
AID/Regional Bureau	0	5
USAID Mission	0	14
LDC Government	0	14
Elsewhere (Geneva, Pakistan)	2	2
Workshops:		
PHC Initiation	0	1
Curriculum Adaptation	0	3
Teacher Training	0	3
Management/Logistics	0	3
Preceptor/Deployment	0	1
Continuing Education	0	3
Evaluation	1	2
Network Strengthening (Number of Activities)		
Domestic Network Meetings	0	4
Other Domestic Network Activities	4	75
International Meetings	0	1

VI. STATUS OF MODULE DEVELOPMENT*

Summary of module activities for Quarter #15, January - March 1982

<u>Title</u>	<u>Scheduled AID Delivery</u>	<u>Active This Quarter?</u>	<u>Current Status</u>
-- Overview	Apr 1982	Yes	Typeset, printed and delivered to AID, Mar 1982.
SYSTEMS DEVELOPMENT MATERIALS			
1. Management Analysis Training Module and Systems Analysis Workbooks:	Jun 1983	Yes	Final draft of module completed. Under field review in Bangladesh, Guyana, Lesotho, Nepal, Tanzania (East and Southern African Management Institute), and USA.
a. Drug and Medical Supply System Workbook		Yes	Final draft completed. Under field review.
b. General Supply System Workbook		Yes	Final draft completed. Ready for field testing.
c. Facility and Equipment Maintenance System Workbook		No	In first stage (rough draft).
d. Transportation System Workbook		Yes	Final draft completed. Under field review.
e. Communication System Workbook		No	In first stage (rough draft).
f. Personnel System Workbook		Yes	In first stage (rough draft).
g. Finance System Workbook		No	In first stage (rough draft).
h. Health Information System Workbook		No	In first stage (rough draft).

*At AID's request, this list has been revised. It is now in conformance with "The MEDEX Primary Health Care Series" list in Overview.

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| 2. | National Planning and Management Workshop Manual | Jun 1983 | No | In first stage (rough draft). |
| 3. | District Planning and Management Workshop Manual | Jun 1982 | No | In first stage (rough draft). |

MID-LEVEL HEALTH WORKER
 AND COMMUNITY HEALTH
 WORKER TRAINING MATERIALS

- | | | | | |
|--|--|----------|-----|---|
| 1. <u>Manuals for Development of the Competency-Based Training Program</u> | | | | |
| 4. | Curriculum Adaptation Manual | Mar 1983 | Yes | In first stage (rough draft). |
| 5. | Instructor Preparation Manual | Mar 1983 | Yes | In first stage (rough draft). |
| 6. | Training Evaluation Manual | Mar 1983 | Yes | In first stage (rough draft). |
| 7. | Community Phase Manual | Mar 1983 | No | In first stage (rough draft). |
| 8. | Continuing Education Manual | Jun 1983 | No | In first stage (rough draft). |
| 11. <u>Prototype Modules for Training MLHWs</u> | | | | |
| A. <u>Community Health</u> | | | | |
| 9. | Identifying the Preventive Health Needs of the Community | Jan 1983 | Yes | In first stage (rough draft). |
| 10. | Meeting the Preventive Health Needs of the Community | Jan 1983 | No | In first stage (rough draft). |
| 11. | Working with Community Health Workers | Jan 1983 | Yes | Rough draft being developed in Lesotho. |

**B. Basic Clinical
Knowledge and Skills**

12.	Anatomy and Physiology	Nov 1982	No	Final review and revision rescheduled for August 1982.*
13.	Medical History	Nov 1982	No	Final review and revision rescheduled for July 1982.
14.	Physical Examination	Nov 1982	No	Final review and revision rescheduled for June 1982.

C. General Clinical

15.	Common Problems - Respiratory and Heart	Jul 1982	Yes	Editorial associate review completed, reviewed and approved by the Curriculum Board, and typeset this quarter. Being pasted up.
16.	Common Problems - Gastrointestinal	Jul 1982	Yes	Editorial associate review completed this quarter.
17.	Common Problems - Genitourinary	Jul 1982	Yes	Medical and educational associate reviews completed this quarter.
18.	Common Problems - Skin	Apr 1982	Yes	Printed and delivered to AID, Mar 1982.
19.	Common Problems - Dental, Eyes, Ears, Nose and Throat	Apr 1982	Yes	Typeset, printed and delivered to AID, Mar 1982.
20.	Common Problems - Infectious Diseases	Sep 1982	Yes	Medical and educational associate reviews completed this quarter.
21.	Common Problems - Trauma and Emergency	Sep 1982	Yes	Medical associate review completed this quarter.
22.	Other Medical Problems	Sep 1982	Yes	Medical associate review completed this quarter.

*The final review and revision on each module include medical or management, educational, communication, and editorial associate reviews. After the four reviews, the modules go to the Curriculum Board for review and final approval.

D. Maternal and Child Health

23.	Prenatal Care	Sep 1982	Yes	Medical associate review completed this quarter.
24.	Labor and Delivery	Sep 1982	No	Medical associate review completed last quarter.
25.	Postnatal Care	Sep 1982	No	Medical associate review scheduled for next quarter.
26.	Diseases of Infants and Children	Jul 1982	Yes	Editorial associate review and Curriculum Board review and approval completed this quarter.
27.	Problems of Women	Jul 1982	No	Medical associate review completed last quarter.
28.	Child Spacing	Jul 1982	Yes	Educational, communication, and editorial associate reviews completed this quarter.

E. Management for Mid-level health workers

29.	Working with the Health Team	Jul 1982	Yes	Final draft written this quarter.
30.	Working with Support Systems	Jul 1982	Yes	Management and educational associate reviews completed this quarter.
31.	Supervising Mid-level Health Workers	Jun 1983	No	In first stage (rough draft).

III. Prototype Reference Manuals for PHWs

32.	Formulary	Mar 1983	Yes	In first stage (rough draft).
33.	Diagnostic and Patient Care Guides	Mar 1983	Yes	In first stage (rough draft).
34.	Patient Care Procedures	Mar 1983	Yes	In first stage (rough draft).
35.	Health Center Operations	Mar 1983	Yes	In first stage (rough draft).

IV. Prototype Modules for
Training CHWs

36.	Working in the Community	Jan 1983	Yes	Field testing in Lesotho completed this quarter.
37.	Healthful Living Practices	Jan 1983	Yes	Field testing in Lesotho completed this quarter.
38.	Caring for Pregnant Women	Jan 1983	Yes	Field testing in Lesotho completed this quarter.
39.	Assisting a Normal Birth	Jan 1983	Yes	Field testing in Lesotho completed this quarter.
40.	Child Spacing	Jan 1983	Yes	Field testing in Lesotho completed this quarter.
41.	Child Care and Nutrition	Jan 1983	Yes	Field testing in Lesotho completed this quarter.
42.	Prevention and Care of Diarrhea and Dehydration	Jan 1983	Yes	Field testing in Lesotho completed this quarter.
43.	Prevention and Care of illnesses and Emergencies	Jan 1983	Yes	Field testing in Lesotho completed this quarter.

V. Glossary, References,
and Acknowledgements

VII. KEY TO CHANGE FROM FORMER MODULE LIST TO
REVISED LIST FOLLOWING
"OVERVIEW" REFERENCE NUMBERS

<u>Former Module List</u>		<u>Title and Number on Revised Module List</u>
1. Framework Paper	-	Overview
2. Primary Health Care (merged with Community Health I)	9.	Identifying the Preventive Health Needs of the Community
3. Anatomy and Physiology	12.	Anatomy and Physiology
4. Medical History	13.	Medical History
5. Physical Examination	14.	Physical Examination
6. Common Skin Problems	18.	Common Problems - Skin
7. Dental EENT	19.	Common Problems - Dental, Eyes, Ears, Nose and Throat
8. Respiratory and Heart Problems	15.	Common Problems - Respiratory and Heart
9. Gastro-intestinal Problems	16.	Common Problems - Gastrointestinal
10. Genito-urinary Problems	17.	Common Problems - Genitourinary
11. Infectious Diseases	20.	Common Problems - Infectious Diseases
12. Common Medical Conditions	22.	Other Medical Problems
13. Diseases of Infants and Children	26.	Diseases of Infants and Children
14. Trauma and Emergency	21.	Common Problems - Trauma and Emergency
15. Problems of Women	27.	Problems of Women
16. Labor and Delivery	24.	Labor and Delivery
17. Prenatal and Postnatal Care	23.	Prenatal Care
	25.	Postnatal Care

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| 18. Family Planning | 28. Child Spacing |
| 19. Community Health I
(merged with Primary Health Care) | 9. Identifying the Preventive
Health Needs of the
Community |
| 20. Community Health II | 10. Meeting the Preventive
Health Needs of the
Community |
| 21. Working With Communities and CHWs | 11. Working with Community
Health Workers |
| 22. First Aid (CHW)
(merged with Common Clinical
Problems (CHW)) | 43. Prevention and Care of
Illnesses and Emergencies |
| 23. Diarrhea and Dehydration (CHW) | 42. Prevention and Care of
Diarrhea and Dehydration |
| 24. Nutrition (CHW) | 41. Child Care and Nutrition |
| 25. Hygiene (CHW) | 37. Healthful Living Practices |
| 26. Clean and Safe Normal Delivery (CHW) | 39. Assisting a Normal Birth |
| 27. High Risk Pregnancies (CHW) | 38. Caring for Pregnant Women |
| 28. Community Cooperation (CHW) | 36. Working in the Community |
| 29. Common Clinical Problems (CHW)
(merged with First Aid (CHW)) | 43. Prevention and Care of
Illnesses and Emergencies |
| 30. Child Spacing (CHW) | 40. Child Spacing |
| 31. Working With Support Systems | 30. Working with Support Systems |
| 32. Working With the Health Team | 29. Working with the Health Team |
| 33. Supervisory Mid-Level Health
Workers | 31. Supervising Mid-Level Health
Workers |
| 34. Formulary | 32. Formulary |
| 35. Diagnostic and Patient Care
Guidelines | 33. Diagnostic and Patient Care
Guides |
| 36. Management Operations | 35. Health Center Operations |
| 37. Patient Care Skills | 34. Patient Care Procedures |
| 38. Training System Evaluation Manual | 6. Training Evaluation Manual |

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| 39. Curriculum Adaptation Manual | 4. Curriculum Adaptation Manual |
| 40. Instructor Preparation Manual | 5. Instructor Preparation Manual |
| 41. Pre-deployment Manual | 7. Community Phase Manual |
| 42. Continuing Education Manual | 8. Continuing Education Manual |
| 43. Management Systems Analysis
Workbooks and Training Manual | 1. Management Analysis Training
Module and Systems Analysis
Workbooks |
| | a. Drug and Medical Supply
System Workbook |
| | b. General Supply System
Workbook |
| | c. Facility and Equipment
Maintenance System
Workbook |
| | d. Transportation System
Workbook |
| | e. Communication System
Workbook |
| | f. Personnel System Workbook |
| | g. Finance System Workbook |
| | h. Health Information System
Workbook |
| 44. Area Planning/Management (POEM)
Workshop Manual | 3. District Planning and
Management Workshop Manual |
| 45. National Planning/Management (POEM)
Workshop Manual | 2. National Planning and
Management Workshop Manual |

VIII. COMPLETION SCHEDULE FOR MEDEX MODULES

<u>Scheduled AID Delivery</u>	<u>Reference Number In Overview</u>	<u>Title</u>
Apr 1982	--	Overview (delivered to AID, March 1982)
Apr 1982	18.	Common Problems - Skin (delivered to AID, March 1982)
Apr 1982	19.	Common Problems - Dental, Eyes, Ears, Nose and Throat (delivered to AID, March 1982)
Jul 1982	15.	Common Problems - Respiratory and Heart
Jul 1982	16.	Common Problems - Gastrointestinal
Jul 1982	17.	Common Problems - Genitourinary
Jul 1982	26.	Diseases of Infants and Children
Jul 1982	27.	Problems of Women
Jul 1982	28.	Child Spacing
Jul 1982	29.	Working with the Health Team
Jul 1982	30.	Working with Support Systems
Sep 1982	20.	Common Problems - Infectious Diseases
Sep 1982	21.	Common Problems - Trauma and Emergency
Sep 1982	22.	Other Medical Problems
Sep 1982	23.	Prenatal Care
Sep 1982	24.	Labor and Delivery
Sep 1982	25.	Postnatal Care
Nov 1982	12.	Anatomy and Physiology
Nov 1982	13.	Medical History
Nov 1982	14.	Physical Examination
Jan 1983	9.	Identifying the Preventive Health Needs of the Community

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| Jan 1983 | 10. Meeting the Preventive Health Needs of the Community |
| Jan 1983 | 11. Working with Community Health Workers |
| Jan 1983 | 36. Working in the Community |
| Jan 1983 | 37. Healthful Living Practices |
| Jan 1983 | 38. Caring for Pregnant Women |
| Jan 1983 | 39. Assisting a Normal Birth |
| Jan 1983 | 40. Child Spacing |
| Jan 1983 | 41. Child Care and Nutrition |
| Jan 1983 | 42. Prevention and Care of Diarrhea and Dehydration |
| Jan 1983 | 43. Prevention and Care of Illnesses and Emergencies |
| Mar 1983 | 32. Formulary |
| Mar 1983 | 33. Diagnostic and Patient Care Guides |
| Mar 1983 | 34. Patient Care Procedures |
| Mar 1983 | 35. Health Center Operations |
| Mar 1983 | 4. Curriculum Adaptation Manual |
| Mar 1983 | 5. Instructor Preparation Manual |
| Mar 1983 | 6. Training Evaluation Manual |
| Jun 1983 | 7. Community Phase Manual |
| Jun 1983 | 8. Continuing Education Manual |
| Jun 1983 | 31. Supervising Mid-Level Health Workers |
| Jun 1983 | 1. Management Analysis Training Module and Systems Analysis Workbooks: <ol style="list-style-type: none">Drug and Medical Supply System WorkbookGeneral Supply System WorkbookFacility and Equipment Maintenance System WorkbookTransportation System WorkbookCommunication System WorkbookPersonnel System WorkbookFinance System WorkbookHealth Information System Workbook |

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| Jun 1983 | 2. National Planning and Management Workshop Manual |
| Jun 1983 | 3. District Planning and Management Workshop Manual |
| Jun 1983 | -- Glossary, References, and Acknowledgements |