



# University of Hawaii at Manoa

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## QUARTERLY REPORT #16

(April - June 1982)

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

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

Dr. Richard Smith, Dr. Rodney Powell, and Mr. Frank White met June 8-11 in Washington, D.C., with HMDS's AID Project Manager, Dr. Rosalyn King, to discuss the publication and distribution of the modules. Procedures were discussed for responding to the requests resulting from the information letters that were sent to USAID missions and elsewhere. The interest of the Pan American Health Organization in translating the modules into Spanish was discussed briefly. Mr. White also met with the AID contract officer.

National Council for International Health's conference, "Alternatives for Financing Health in Development Countries," was held June 13-16, in Washington, D.C. Dr. Smith, Mr. Albert Neill, and Mr. White attended the Conference from HMDS. Mr. White staffed an information booth about HMDS at the Conference. HMDS was associated with the presentation of three papers:

1. Mr. Neill presented a paper, "The Training of Mid-Level Health Workers in Practical Financial Management: Experiences from Guyana and Lesotho," as part of the Transferring Financial Management Skills to LDC Personnel panel.
2. Ms. Sarah Gordon, Health Services Development Officer for the Guyana IADB Health Project, presented "Village Level Health Workers Paid by the Community: The Guyana Experience." The paper was written by Ms. Gordon and Mr. Patrick Dougherty, of HMDS.
3. Mr. White presented "Adaptation and Use of Prototype Materials for Financial Systems Analysis and Redesign to Support Primary Health Care Development." The paper was written by Mr. Ernest Petrich, former Director of Systems Development for HMDS.

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

No action this quarter.

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

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

The first draft was completed for the Curriculum Adaptation Manual, Section 2.(c)(2), and for the Instructor Preparation Manual, Section 2.(c)(3).

Consultant Pamela Prescott wrote the first draft of the Community Phase Manual. The manual will be used as a workshop guide to prepare students and their supervisors for the community phase of middle-level health worker training. The manual provides suggestions for workshop activities, and discusses 1) the roles and responsibilities of middle-level health worker instructors, supervisors, and students, 2) planning and monitoring the community phase of training, and 3) evaluating the students' performance during the community phase.

Consultant Sharry Erzinger completed the first draft of Identifying the Preventive Health Needs of the Community, and outlined Meeting the Preventive Health Needs of the Community.

A draft of Working with Community Health Workers was written and is being field tested in Lesotho.

The medical associate review was completed for Anatomy and Physiology and for Physical Examination.

The medical and educational associate reviews were completed for Medical History.

Common Problems - Gastrointestinal was reviewed and approved by the Curriculum Board, typeset, and pasted up.

The editorial associate reviews were completed for Common Problems - Infectious Diseases and for Common Problems - Genitourinary. The modules were reviewed and approved by the Curriculum Board. Common Problems - Genitourinary was typeset and pasted up.

The educational associate reviews were completed for Common Problems - Trauma and Emergency and for Labor and Delivery.

The educational and editorial associate reviews were completed for Other Medical Problems.

The communication associate review was completed for Diseases of Infants and Children. The module was typeset and is being pasted up.

The educational, editorial, and communication associate reviews were completed for Problems of Women. The module was reviewed and approved by the Curriculum Board, typeset, and is being pasted up.

Child Spacing was reviewed and approved by the Curriculum Board. The module was typeset and is being pasted up.

As part of his residency training, MEDEX/Northwest network resident Mr. John Ketcher gathered information for three prototype reference manuals for middle-level health workers: Formulary, Diagnostic and Patient Care Guide, and Patient Care Procedures.

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

Mr. Neill met in Washington, D.C., with Mr. Morris J. Solomon, Coordinator of the Development Project Management Center, Office of International Cooperation and Development, U.S. Department of Agriculture, to discuss district and peripheral management, and project management as related to the DPMC's experience in the Sahel. Mr. Neill met with Mr. Irving Coker, Deputy Director for Policy and Budgeting of AID's African Bureau, to discuss primary health care projects in Africa. Mr. Neill had extensive telephone conversations with Dr. Lillian Gibbons, Director of Policy and Planning for the Westinghouse Health Systems. Information gathered in these conversations will be incorporated into the management training modules.

Last quarter, field review began on the final draft of the Management Analysis Training module and two of the eight associated systems analysis workbooks. This quarter, the final drafts were written for the remaining six workbooks. The drafts of the six workbooks were sent to MEDEX/Guyana and MEDEX/Lesotho for staff review. In addition, the draft module and all eight workbooks were sent to USAID/Jamaica for field review.

A first draft was written of the National Planning and Management Workshop Manual.

The final draft of the District Planning and Management Workshop Manual was written and sent to MEDEX/Lesotho for staff review.

The final drafts of the Working with the Health Team module and the Working with Support Systems module were written. Management, educational, and editorial associate reviews were completed. The modules were reviewed and approved by the Curriculum Board.

Data on supervision will be gathered in Lesotho next quarter. In preparation for this activity, materials were prepared this quarter that will be used in the gathering and recording of this information. The data will be incorporated into the draft of the Supervising Mid-Level Health Workers module.

The final draft of the Health Center Operations Manual was written, and the management associate review completed.

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

As a result of information gathered from field review and field testing, the curriculum for CHW training is being rewritten to emphasize health prevention and promotion. The format of the modules is being changed to a workbook style to encourage active participation by the CHWs during their training.

Prototype drafts were written from Lesotho-specific materials for three CHW modules: Healthful Living Practices, Child Care and Nutrition, and Prevention and Care of Diarrhea and Dehydration.

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:

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) Curriculum Adaptation Workshops:

Consultant William Callen completed the second draft of the Curriculum Adaptation Manual. The manual includes 1) a workshop leader's guide with information on how to plan, conduct, and follow-up the activities of a curriculum adaptation workshop, and 2) the printed materials that will be used by participants during such a workshop.

2.(c)(3) Teacher Training Workshops:

Consultant Mickey Knutson completed the second draft of the Instructor Preparation Manual. The manual includes 1) guidelines to assist program managers in the selection of students and of staff, sequencing of the curriculum, and monitoring the progress of the training program, and 2) training materials to assist the program manager to prepare instructors for their teaching and evaluation responsibilities in the competency-based training program for middle-level health workers.

2.(c)(4) Management/Logistics Workshops.

No action this quarter.

2.(c)(5) Preceptor Deployment Workshops:

No action this quarter.

2.(c)(6) Continuing Education Workshops:

Preparations were made for next quarter's Continuing Education Workshop in Lesotho.

2.(c)(7) Evaluation Workshops:

No action this quarter.

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:

Mr. John Ketcher, MEDEX/Northwest, was in Honolulu May 3 - June 15. See Section 2.(b)(1).

The network subcontract was completed 31 May 1982. On June 7, a final meeting of the network schools was held in Seattle. Participants reviewed the outputs resulting from the network subcontract, discussed new initiatives in primary health care by donors, and considered the character of the future relationship between HMDS and the network schools. This meeting was attended by Dr. Powell, Dr. Smith, and Mr. Frank White of HMDS; Dr. Robert Eelkema and Dr. Merrill Shutt of MEDEX/North Dakota; and Mr. William Callen and Dr. Andrew Penman of MEDEX/Northwest.

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

No action this quarter.

II. 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 drafted three CHW community education workbooks: Healthful Living Practices, Child Care and Nutrition, and Prevention and Care of Diarrhea and Dehydration. He performed the communication associate review of two middle-level health worker modules: Diseases of Infants and Children, and Problems of Women. Following up on his work last winter in Lesotho, Mr. Mehra reviewed and commented on the community education methods and materials being developed by the MEDEX/Lesotho staff.

III. Other Information:

A. Travel by HMDS personnel:

Dr. Smith, April 8-26, to Georgetown, Guyana, and Washington, D.C. Travel funded by MEDEX/Guyana. See Section III.D.

Dr. Smith, June 5-19, to Seattle, Washington, D.C., and New York. See Sections 2.(d)(1) and 2.(a)(1). Dr. Smith met UNICEF officials in New York on new program areas for families and communities as they relate to our guidelines for primary health care at the community level.

Dr. Powell, June 6-13, to Seattle and Washington, D.C. See Sections 2.(d)(1) and 2.(a)(1).

Mr. White, June 6-18, to Seattle and Washington, D.C. See Sections 2.(d)(1) and 2.(a)(1).

Mr. Neill, June 11-23, to Washington, D.C. See Sections 2.(a)(1) and 2.(b)(2).

B. Consultants:

Pamela T. Prencott, F.N.P., M.H.S., former Nurse Clinician Trainer for the MEDEX/Lesotho program, in Honolulu April 19 - May 6. See Section 2.(b)(1).

William B. Callen, Ph.D., MEDEX/Northwest, to Honolulu June 9 - July 8. See Section 2.(c)(2).

Mickey Y. Knutson, M.N., F.N.P., MEDEX/North Dakota, to Honolulu June 7 - July 1. See Section 2.(c)(3).

Sharry L. Erzinger, M.P.H., MEDEX/Northwest, for 20 days between June 10 and August 1. Ms. Erzinger was in Honolulu for five working days, June 10-16, and will complete her consultation in Seattle. See Section 2.(b)(1).

C. Visitors to HMDS:

Ms. Sharon Meyers, instructor of health professions education, Center for Educational Development, University of Illinois Medical Center, Chicago, was in Honolulu May 13 for orientation to HMDS.

Mr. Richard Johnson, former Health Worker Advisor for the MEDEX/Pakistan program and now working in Quetta, Pakistan, as a Public Health Advisor for UNICEF, was in Honolulu June 10 and debriefed HMDS on the current situation in Pakistan.

See Section III.D. for information about the visits of Mrs. Ntholi of Lesotho and Mr. Blakney of Guyana.

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

Mrs. Anna Ntholi of Lesotho was in Honolulu April 15-27 for orientation to HMDS. The visit provided linkages between the role of management support in primary health care delivery systems and her management studies as a participant trainee in the International Public Management Development Programs at the Institute of Public Service in Hartford, Connecticut. Mrs. Ntholi returned to Lesotho from Honolulu. She is now the Deputy Director for Primary Health Care Administration in Lesotho's Ministry of Health, and serves as the counterpart to MEDEX/Lesotho's Management Specialist.

Dr. Smith was in Georgetown in April to review the progress of the MEDEX/Guyana program. He met with the newly arrived U.S. ambassador, AID Mission officials, and Ministry of Health officials to discuss the projects accomplishments and future plans. He discussed the broad context of primary health care planning with Ministry of Health personnel. In Washington, D.C., he debriefed AID's Latin America Regional Bureau personnel on the progress of the Guyana program.

Mr. Richard Blakney, MEDEX/Guyana's Management Specialist and Administrative Officer, was in Honolulu June 22 to debrief HMDS on the current status of the MEDEX/Guyana program and to discuss projected plans for the upcoming months.

E. Personnel:

Joyce V. Lyons, R.N., Ed.D., resigned April 16.

Ernest Petrich, M.P.H., resigned May 5.

Ms. Linda Lau was hired temporarily from May 3 - July 31 as an Assistant Production Coordinator to assist with the production of the modules.

Pam T. Prescott, F.N.P., M.H.S., was hired temporarily from May 10 - July 31 as an Education Specialist.

Allison L. Stettner, M.P.H., was hired May 12 as a Writer/Editor to assist with the production of the modules.

Dr. Smith testified on June 8 before the Senate Foreign Appropriations Subcommittee regarding: 1) the emerging role of health in socioeconomic development in developing nations, 2) the use of less sophisticated and more appropriate technology to improve the delivery of health services in underdeveloped countries, and 3) the use of American know-how to improve management competence in developing countries to help them develop support structures for socioeconomic development that will persist after foreign assistance ends.

A contract was signed between WHO and the University of Hawaii for Dr. Smith and several consultants to write a paper on "Issues in Organizing Primary Health Care at the Community Level." This work was done independently of other core staff activities.

IV. FISCAL STATUS, April - June 1982

<u>Budget Category</u>	<u>Total Awarded* Yrs. 01-04</u>	<u>Previous Expenditures/ Encumberances</u>	<u>16th Quarter E &amp; E</u>	<u>Total E&amp;E to Date</u>	<u>Balance</u>
Salaries	\$1,891,422	\$1,648,321	\$176,385	\$1,824,706	\$66,716
Consultant Fees	102,267	92,107	9,503	101,610	657
Fringe Benefits	311,846	247,532	26,458	273,990	37,856
Overhead	493,862	415,553	42,230	457,783	36,079
Office Rental	196,549	182,013	21,724	203,737	(7,188)
Travel & Transportation	227,257	205,188	7,499	212,687	14,570
Allowances	102,887	66,419	15,399	81,818	21,069
Other Direct Costs	204,478	180,965	41,724	222,689	(18,211)
Equipment, Materials and Supplies	157,109	128,963	3,264	132,227	24,882
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	\$3,692,792	\$344,186	\$4,036,978	\$267,422

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

V. MEDEX PHASE III PROJECT STATUS  
 Summary of activities for Quarter #16

<u>Services</u>	<u>Provided This Quarter</u>	<u>Cumulative Total</u>
Exploratory/Informational Briefings		21
In LDCs	0	
Other (AID meeting regarding module distribution, NCIH)	2	
PHC Seminars Conducted		17
In LDCs	0	
In Honolulu	0	
Elsewhere	0	
Module Development		
Active this quarter	31	N/A
Typeset (GI, GU, Infants & Children, Problems of Women, Child Spacing)	5	9
Printed	0	3
Delivered to AID	0	3
Technical Assistance (Number of Visits)		
AID/Regional Bureau	0	5
USAID Mission	0	14
LDC Government	0	14
Elsewhere	0	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	0	2
Network Strengthening (Number of Activities)		
Domestic Network Meetings	1	5
Other Domestic Network Activities	1	76
International Meetings	0	1

VI. STATUS OF MODULE DEVELOPMENT

Summary of module activities for Quarter #16, April - June 1982

<u>Title</u>	<u>Scheduled AID Delivery</u>	<u>Active This Quarter?</u>	<u>Current Status</u>
-- Overview	Apr 1982	--	Delivered to AID, Mar 1982
<b>SYSTEMS DEVELOPMENT MATERIALS</b>			
1. Management Analysis Training Module and Systems Analysis Workbooks:	Jun 1983	Yes	Final draft of module and all eight workbooks were sent to USAID/Jamaica for field testing. Field review of the module continues in Bangladesh, Guyana, Lesotho, Nepal, Tanzania, and the USA.
a. Drug and Medical Supply System Workbook		Yes	Field review continues.
b. General Supply System Workbook		Yes	Final draft completed. Under field review.
c. Facility and Equipment Maintenance System Workbook		Yes	Final draft completed. Under field review.
d. Transportation System Workbook		Yes	Field review continues.
e. Communication System Workbook		Yes	Final draft completed. Under field review.
f. Personnel System Workbook		Yes	Final draft completed. Under field review.
g. Finance System Workbook		Yes	Final draft completed. Under field review.
h. Health Information System Workbook		Yes	Final draft completed. Under field review.
2. National Planning and Management Workshop Manual	Jun 1983	Yes	First draft written.

<u>Title</u>	<u>Scheduled AID Delivery</u>	<u>Active This Quarter?</u>	<u>Current Status</u>
3. District Planning and Management Workshop Manual	Jun 1982	Yes	Final draft completed and reviewed by MEDEX/Lesotho staff.

MID-LEVEL HEALTH WORKER  
 AND COMMUNITY HEALTH  
 WORKER TRAINING MATERIALS

I. Manuals for  
 Development of the  
 Competency-Based  
 Training Program

4. Curriculum Adaptation Manual	Mar 1983	Yes	First draft completed.
5. Instructor Preparation Manual	Mar 1983	Yes	First draft completed.
6. Training Evaluation Manual	Mar 1983	No	In first stage (rough draft).
7. Community Phase Manual	Mar 1983	Yes	First draft completed.
8. Continuing Education Manual	Jun 1983	No	In first stage (rough draft).

II. Prototype Modules for  
 Training MHWs

A. Community Health

9. Identifying the Preventive Health Needs of the Community	Jan 1983	Yes	First draft completed.
10. Meeting the Preventive Health Needs of the Community	Jan 1983	Yes	Outline completed.
11. Working with Community Health Workers	Jan 1983	Yes	A draft is being field tested in Lesotho.

	<u>Title</u>	<u>Scheduled AID Delivery</u>	<u>Active This Quarter?</u>	<u>Current Status</u>
B.	<u>Basic Clinical Knowledge and Skills</u>			
12.	Anatomy and Physiology	Nov 1982	Yes	Medical associate review completed.
13.	Medical History	Nov 1982	Yes	Medical and educational associate reviews completed.
14.	Physical Examination	Nov 1982	Yes	Medical associate review completed.
C.	<u>General Clinical</u>			
15.	Common Problems - Respiratory and Heart	Jul 1982	No	Ready to be printed.
16.	Common Problems - Gastrointestinal	Jul 1982	Yes	Reviewed and approved by the Curriculum Board, typeset, and pasted up.
17.	Common Problems - Genitourinary	Jul 1982	Yes	Editorial associate review completed. Reviewed and approved by the Curriculum Board, typeset, and pasted up.
18.	Common Problems - Skin	Apr 1982	--	Delivered to AID, Mar 1982
19.	Common Problems - Dental, Eyes, Ears, Nose and Throat	Apr 1982	--	Delivered to AID, Mar 1982
20.	Common Problems - Infectious Diseases	Nov 1982	Yes	Editorial associate review completed. Reviewed and approved by the Curriculum Board. Delivery date revised from Sep 1982.
21.	Common Problems - Trauma and Emergency	Nov 1982	Yes	Educational associate review in progress. Delivery date revised from Sep 1982.
22.	Other Medical Problems	Nov 1982	Yes	Educational and editorial associate reviews completed. Delivery date revised from Sep 1982.

	<u>Title</u>	<u>Scheduled AID Delivery</u>	<u>Active This Quarter?</u>	<u>Current Status</u>
D.	<u>Maternal and Child Health</u>			
23.	Prenatal Care	Dec 1982	No	Medical associate review completed last quarter. Delivery date revised from Sep 1982.
24.	Labor and Delivery	Dec 1982	Yes	Educational associate review completed. Delivery date revised from Sep 1982.
25.	Postnatal Care	Dec 1982	No	Medical and educational reviews scheduled for next quarter. Delivery date revised from Sep 1982.
26.	Diseases of Infants and Children	Aug 1982	Yes	Communication associate review completed, typeset. Being pasted up. Delivery date revised from July 1982
27.	Problems of Women	Aug 1982	Yes	Educational, editorial, and communication associate reviews completed. Reviewed and approved by the Curriculum Board. Typeset. Being pasted up. Delivery date revised from July 1982.
28.	Child Spacing	Aug 1982	Yes	Reviewed and approved by the Curriculum Board. Typeset. Being pasted up. Delivery date revised from July 1982.
E.	<u>Management for Mid-Level Health Workers</u>			
29.	Working with the Health Team	Oct 1982	Yes	Management, educational, and editorial associate reviews completed. Reviewed and approved by the Curriculum Board. Delivery date revised from July 1982.
30.	Working with Support Systems	Oct 1982	Yes	Management, educational, and editorial associate reviews completed. Reviewed and approved by the Curriculum Board. Delivery date revised from July 1982.
31.	Supervising Mid-Level Health Workers	Jun 1983	Yes	Preparations made to gather data in Lenotho next quarter.

<u>Title</u>	<u>Scheduled AID Delivery</u>	<u>Active This Quarter?</u>	<u>Current Status</u>
<b>III. <u>Prototype Reference Manuals for MLHWs</u></b>			
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	Oct 1982	Yes	Management associate review completed. Delivery date advanced from March 1983.
<b>IV. <u>Prototype Modules for Training CHWs</u></b>			
36. Working in the Community	Jan 1983	No	Field testing in Lesotho completed last quarter.
37. Healthful Living Practices	Jan 1983	Yes	Prototype draft written from Lesotho- specific materials.
38. Caring for Pregnant Women	Jan 1983	No	Field testing in Lesotho completed last quarter
39. Assisting a Normal Birth	Jan 1983		
40. Child Spacing	Jan 1983		
41. Child Care and Nutrition	Jan 1983	Yes	Prototype draft written from Lesotho- specific materials. Editorial associate review completed. Reviewed and approved by the Curriculum Board.
42. Prevention and Care of Diarrhea and Dehydration	Jan 1983	Yes	Prototype draft written from Lesotho- specific materials.
43. Prevention and Care of Illnesses and Emergencies	Jan 1983	No	Field testing in Lesotho completed last quarter.
<b>V. <u>Glossary, References, and Acknowledgements</u></b>	Jun 1983		