



PD-AAL-130

University of Hawaii at Manoa

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Office of the Dean

10 November 1982

Dr. Rosalyn King
Bureau of Science and Technology/Health
Rosslyn Plaza Center, Room 705C, SA-18
Agency for International Health
Washington, D.C. 20523

RE: CONTRACT No. AID/DSPE-C-0006

Dear Dr. King:

Enclosed are the original and five copies of the quarterly technical progress report for July-September 1982. They are submitted to you in accordance with Section C.2.(a) of MEDEX Phase III, Primary Health Care Systems, Contract No. AID/DSPE-C-0006.

Per contract terms, copies have been sent directly to the AID bureaus listed below.

Sincerely yours,

Terence A. Rogers, Ph.D.
Dean

TAR:mm

Enclosures

cc: Ms. Johni Pittenger with 1 enclosure
AID Reference Center with 1 enclosure
Documentation Coordinator, DS/PPU/EUI, with 3 enclosures
AID Office of Education with 1 enclosure



University of Hawaii at Manoa

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QUARTERLY REPORT #17
(July - September 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:

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:

No action this quarter.

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:

Book 14, the student text, and book 15, the instructor's manual, for General Clinical: Common Problems - Respiratory and Health, Common Problems - Gastrointestinal, and Common Problems - Genitourinary were printed and delivered to AID in July.

Book 23, the student text, and Book 24, the instructor's manual, for Maternal and Child Health: Diseases of Infants and Children, Problems of Women, and Child Spacing were printed and delivered to AID in August.

Enroute to Lesotho, Dr. Richard Smith met:

1. In Washington, D.C., with HMDS's project officer, Dr. Roslyn King, to discuss the production schedule for the MEDEX Primary Health Care Series, and with Dr. Clifford Pease and Ms. Serita Henry to discuss the technical assistance needs that will be necessary to support centrally funded primary health care efforts.

2. In New York, with UNICEF officials (accompanied by Mr. Sunil Mehra, see Section II) to determine the needs of multinational

organizations for materials such as the MEDEX Primary Health Care Series, and to discuss the modifications it would be necessary to make in the series to meet such needs. Meetings were held with Karen Smith, a community participation specialist; Dr. Susan Cole-King, head of primary health care for UNICEF globally; Vicky Marsik, who is responsible for staff training; and Dr. Tarzi Vittachi, the deputy director of UNICEF.

3. In Geneva, with WHO's Division of Strengthening of Health Services and the Division of Health Manpower Development regarding issues in developing community-level primary health care programs.

To date, HMDS has received requests for 144 sets of the modules, and AID has received requests from missions for at least 60 sets. The total of these requests already has exceeded the 200 sets that AID originally requested be printed.

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

Drafts of the Curriculum Adaptation, Instructor Preparation, and Community Phase manuals were sent to MEDEX/Lesotho and MEDEX/Guyana for staff review.

A preliminary outline was written for the Training Evaluation manual.

Consultant Sharry Erzinger wrote a first draft of Meeting the Preventive Health Needs of the Community, based on the outline she prepared last quarter.

The educational associate review was completed for Anatomy and Physiology.

The editorial and communication associate reviews were completed for Medical History. The module was reviewed and approved by the Curriculum Board and has been typeset.

The educational, editorial, and communication associate reviews were completed for Physical Examination. The module was reviewed and approved by the Curriculum Board.

Common Problems - Infectious Diseases was typeset and pasted up.

The editorial and communication associate reviews were completed for Common Problems - Trauma and Emergency. The module was reviewed and approved by the Curriculum Board and has been typeset.

The educational associate review was completed for Prenatal Care.

Consultant Dr. Mona Bomgaars completed the medical review of the Postnatal Care module.

The communication associate review was completed for Working with the Health Team. The module has been typeset and pasted up.

The communication associate review was completed for Working with Support Systems. The module has been typeset.

The editorial associate review was completed for Health Center Operations.

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

The National Planning and Management Workshop Manual and the District Planning and Management Workshop Manual were re-written to incorporate comments from MEDEX/Lesotho's staff review and comments from HMDS's core staff.

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

The core HMDS staff and the MEDEX/Lesotho staff have developed Lesotho-specific Community Health Worker modules. While Dr. Smith was in Maseru, he reviewed the steps that will be necessary to adapt the Lesotho-specific modules into prototype modules.

The final prototype draft of Introduction to Training (formerly: Working in the Community) was written from Lesotho-specific materials. The medical, educational, editorial, and communication associate reviews were completed.

The medical, educational, editorial, and communication associate reviews were completed for Clean Water and Clean Community (formerly: Healthful Living Practices). The module was reviewed and approved by the Curriculum Board and has been typeset.

The medical, educational, editorial, and communication reviews were completed for Prevention and Care of Diarrhea (formerly: Prevention and Care of Diarrhea and Dehydration). The module was reviewed and approved by the Curriculum Board. It has been typeset, illustrated, and pasted up.

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

Data gathered in Lesotho regarding continuing education is being incorporated into the first draft of the prototype Continuing Education manual.

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)(2-5) Curriculum Adaptation Workshops, Teacher Training Workshops, Management/Logistics Workshops, and Preceptor Deployment Workshops:

No action this quarter.

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

Mx. Tom Coles assisted the MEDEX/Lesotho staff to plan and conduct a Continuing Education Workshop. During the workshop, Mx. Coles:

1. reviewed the appropriateness of existing plans to provide continuing education, especially regarding whether the site visit requirements were appropriate and whether the time required was reasonable,
2. looked into the various ways in which the Health Service Areas can assume more responsibility for providing continuing education,
3. helped the MEDEX/Lesotho staff plan for continuing education over the next two years to cover clinical medicine, community medicine, and health center management, and
4. began the process of setting up an information system to evaluate the effectiveness of the teaching methods for providing continuing education.

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:

Dr. Smith met July 12 with the MEDEX/Northwest staff in Seattle regarding their availability to serve as consultants for work on the MEDEX Primary Health Care Series. He also discussed with them the lack of new primary health care programs starting overseas, which has meant that MEDEX/Northwest has received very few requests for consultations from the international community.

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 (accompanied by Dr. Smith, see Section 2.(b)) met in New York with Dr. Susan Cole-King, Karen Smith, and other UNICEF staff to discuss the development and application of available CHW training materials, to obtain UNICEF materials on community participation, and to determine the appropriateness of present village-level health activities in HMDS materials for varied cultural settings.

He completed the visualization and format design for three community health worker workbooks: Introduction to Training, Prevention and Care of Diarrhea, and Clean Water and Clean Community.

He performed the communication associate review of three modules: Medical History, Physical Examination, and Working with Support Systems.

Working from Honolulu, he assisted the MEDEX/Lesotho staff in the further development and field testing of community education materials.

III. Other Information:

A. Travel by HMDS personnel:

Dr. Smith, July 11 - August 14, to Seattle, Washington D.C., New York, Geneva, Maseru, and Washington D.C. See Sections 2.(d)(1), 2.(b), and III.D. MEDEX/Lesotho funded the Honolulu-Maseru-Honolulu airfare, per diem, and incidental expenses related to Dr. Smith's trip to Lesotho. The HMDS core contract paid for the additional expenses related to Dr. Smith's stops in Seattle, the first stop in Washington D.C., New York, and Geneva.

Mr. Tom Coles, July 12 - August 21, to Maseru, Lesotho. See Sections 2.(c)(6) and III.D. This travel was funded by MEDEX/Lesotho.

Mr. Mehra, July 13-23, to New York. See Section II.

B. Consultants:

Sharry L. Erzinger, M.P.H., PA-C, for 20 days between June 10 and August 1. Ms. Erzinger consulted with HMDS in Honolulu for five working days last quarter. During the current quarter, she completed the remaining fifteen days of her consultation, working in Seattle. See Section 2.(b)(1).

Mona Bomgaars, M.D., M.P.H., in Honolulu for a total of 15 days between August 1 and December 31. Dr. Bomgaars provided 4 days of consultation to HMDS this quarter. See Section 2.(b)(1).

C. Visitors to HMDS:

Dr. Nils Daulaire, of Dartmouth University, visited HMDS July 23. Dr. Daulaire participated in the January/February 1982 USAID evaluation of the Pakistan Basic Health Services Project. He briefed HMDS on his impressions of the status of the medical technicians and the project in general at the time of his visit.

Dr. I. Tabibzadeh, of the Division of Strengthening of Health Services, WHO, visited HMDS August 6 and was updated on our current activities.

Mr. Kess Hottle, MEDEX/Lesotho's management advisor, spent a week with HMDS August 16-20. He reviewed his activities during the last six months on the project and discussed the follow-up management activities that will be necessary after his departure in March from Maseru.

Dr. Eric Goon, the WHO representative in Peking, visited HMDS August 30. He discussed the present health situation in China as it related to primary health care, especially with regard to training and management.

Dr. J. Jarrett Clinton, Agency Director for Health and Population, Office of Population, AID/W, visited HMDS September 8 to meet the staff, to see the facility, and to update HMDS on AID's plans for the future in health.

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

Dr. Smith met in Maseru with the MEDEX/Lesotho staff and with the Ministry of Health to discuss AID's recent evaluation and its implications for MEDEX/Lesotho. He discussed the possibility of a contract extension, staff replacements, and other personnel issues. On his return home, Dr. Smith stopped in Washington, D.C., to debrief AID's TA/Health staff on the results of his trip.

Mx. Coles assisted the MEDEX/Lesotho staff to plan and conduct a Continuing Education Workshop, in Maseru, July 17 - August 14. See Section 2.(c)(6).

E. Personnel:

Dr. Smith's paper, "Primary Health Care--Rhetoric or Reality?" was published in World Health Forum, 3(1):30-37 (1982). His five-year membership on the WHO Expert Advisory Panel on Health Manpower was extended for another four years, beginning 25 August 1982.

Ms. Ruth James, HMDS's Personnel Assistant, resigned August 3.

Ms. Joyce K. Uyeno was promoted August 4 from HMDS's Administrative/Fiscal Support Specialist to be Personnel Assistant/Fiscal Support Specialist.

Dr. Indermohan Narula was increased to 100% FTE from July 12 through August 31, his last day of employment with HMDS.

Ms. Patrice Choy was hired September 6 as a part-time Editorial Assistant.

IV. FISCAL STATUS, July - September 1982

<u>Budget Category</u>	<u>Total Awarded Yrs. 01-05</u>	<u>Previous Expenditures/ Encumbrances</u>	<u>17th Quarter E & E</u>	<u>Total E&E to Date</u>	<u>Balance</u>
Salaries	\$2,601,695	\$1,824,706	\$174,553	\$1,999,259	\$602,436
Consultant Fees	114,562	101,610	2,547	104,157	10,405
Fringe Benefits	415,934	273,990	26,264	300,254	115,680
Overhead	663,766	457,783	39,413	497,196	166,570
Office Rental	291,068	203,737	17,419	221,156	69,912
Travel & Transportation	246,316	212,687	1,296	213,983	32,333
Allowances	118,522	81,818	351	82,169	36,353
Other Direct Costs	380,271	222,689	13,997	236,686	143,585
Equipment, Materials and Supplies	146,535	132,227	2,280	134,507	12,028
Sub-Contracts	<u>525,731</u>	<u>525,731</u>	(7,406)	518,325	7,406
TOTAL	\$5,504,400	\$4,036,978	\$270,714	\$4,307,692	\$1,196,708

V. MEDEX PHASE III PROJECT STATUS
 Summary of activities for Quarter #17

<u>Services</u>	<u>Provided This Quarter</u>	<u>Cumulative Total</u>
Exploratory/Informational Briefings		21
In LDCs	0	
Other	0	
PHC Seminars Conducted		17
In LDCs	0	
In Honolulu	0	
Elsewhere	0	
Module Development		
Active this quarter	33	N/A
Typeset (Medical History, Infectious Diseases, Other Medical Problems, Working with the Health Team, Working with Support Systems, Clean Water and Clean Community, Prevention and Care of Diarrhea)	7	16
Printed (Respiratory & Heart, Gastrointestinal, Genitourinary; Infants & Children, Problems of Women, Child Spacing)	6	9
Delivered to AID (Respiratory & Heart, Gastrointestinal, Genitourinary; Infants & Children, Problems of Women, Child Spacing)	6	9
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	1	4
Evaluation	0	2
Network Strengthening (Number of Activities)		
Domestic Network Meetings	0	5
Other Domestic Network Activities	1	77
International Meetings	0	1

VI. STATUS OF MODULE DEVELOPMENT

Summary of module activities for Quarter #17, July - September 1982

<u>Title</u>	<u>Scheduled AID Delivery</u>	<u>Active This Quarter?</u>	<u>Current Status</u>
-- Overview	Apr 1982	--	Delivered to AID, March 1982.
SYSTEMS DEVELOPMENT MATERIALS			
1. Management Analysis Training Module and Systems Analysis Workbooks:	Jun 1983	No	Comments received from Guyana and Lesotho regarding their staff review of the module and 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			
2. National Planning and Management Workshop Manual	Jun 1983	Yes	Manual was re-written to incorporate comments from MEDEX/Lesotho's staff review and comments from HMDS's core staff.

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|----|--|----------|-----|--|
| 3. | District Planning and Management Workshop Manual | Jun 1983 | Yes | Manual was re-written to incorporate comments from MEDEX/Lesotho's staff review and comments from HMDS's core staff. |
|----|--|----------|-----|--|

MID-LEVEL HEALTH WORKER
 AND COMMUNITY HEALTH
 WORKER TRAINING MATERIALS

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

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|----|-------------------------------|----------|-----|---|
| 4. | Curriculum Adaptation Manual | Mar 1983 | Yes | Draft sent to MEDEX/Lesotho and MEDEX/Guyana for staff review. |
| 5. | Instructor Preparation Manual | Mar 1983 | Yes | Draft sent to MEDEX/Lesotho and MEDEX/Guyana for staff review. |
| 6. | Training Evaluation Manual | Mar 1983 | Yes | Preliminary outline written. |
| 7. | Community Phase Manual | Mar 1983 | Yes | Draft sent to MEDEX/Lesotho and MEDEX/Guyana for staff review. |
| 8. | Continuing Education Manual | Jun 1983 | Yes | Data gathered in Lesotho regarding continuing education is being incorporated into the first draft of a prototype manual. |

II. Prototype Modules for Training MLHWs

A. Community Health

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|-----|--|----------|-----|-------------------------------------|
| 9. | Identifying the Preventive Health Needs of the Community | Jan 1983 | No | Final draft completed last quarter. |
| 10. | Meeting the Preventive Health Needs of the Community | Jan 1983 | Yes | First draft written. |
| 11. | Working with Community Health Workers | Jan 1983 | Yes | Field testing continues in Lesotho. |

B. Basic Clinical
 Knowledge and Skills

12.	Anatomy and Physiology	Nov 1982	Yes	Educational associate review completed.
13.	Medical History	Nov 1982	Yes	Editorial and communication associate reviews completed. Reviewed and approved by the Curriculum Board. Typeset.
14.	Physical Examination	Nov 1982	Yes	Educational, editorial, and communication associate reviews completed. Reviewed and approved by the Curriculum Board.

C. General Clinical

15.	Common Problems - Respiratory and Heart	Jul 1982	Yes	Printed and delivered to AID, July 1982.
16.	Common Problems - Gastrointestinal	Jul 1982	Yes	Printed and delivered to AID, July 1982.
17.	Common Problems - Genitourinary	Jul 1982	Yes	Printed and delivered to AID, July 1982.
18.	Common Problems - Skin	Apr 1982	--	Delivered to AID, March 1982.
19.	Common Problems - Dental, Eyes, Ears, Nose and Throat	Apr 1982	--	Delivered to AID, March 1982.
20.	Common Problems - Infectious Diseases	Sep 1982	Yes	Typeset and pasted up.
21.	Common Problems - Trauma and Emergency	Sep 1982	Yes	Editorial and communication associate reviews completed. Reviewed and approved by the Curriculum Board.
22.	Other Medical Problems	Sep 1982	Yes	Communication associate review completed. Reviewed and approved by the Curriculum Board. Typeset.

D. Maternal and Child
 Health

23.	Prenatal Care	Sep 1982	Yes	Educational associate review completed.
24.	Labor and Delivery	Sep 1982	No	Educational associate review completed last quarter.

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|-----|----------------------------------|----------|-----|--|
| 25. | Postnatal Care | Sep 1982 | Yes | Medical associate review completed. |
| 26. | Diseases of Infants and Children | Jul 1982 | Yes | Printed and delivered to AID, August 1982. |
| 27. | Problems of Women | Jul 1982 | Yes | Printed and delivered to AID, August 1982. |
| 28. | Child Spacing | Jul 1982 | Yes | Printed and delivered to AID, August 1982. |

E. Management for Mid-Level Health Workers

- | | | | | |
|-----|--------------------------------------|----------|-----|--|
| 29. | Working with the Health Team | Jul 1982 | Yes | Communication associate review completed. Typeset and pasted up. At printers. |
| 30. | Working with Support Systems | Jul 1982 | Yes | Communication associate review completed. Typeset. At printers. |
| 31. | Supervising Mid-Level Health Workers | Jun 1983 | Yes | Data gathered in Lesotho regarding supervision is being incorporated into a first draft of the prototype module. |

III. Prototype Reference Manuals for MLHWs

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|-----|------------------------------------|----------|-----|---------------------------------------|
| 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 | Editorial associate review completed. |

IV. Prototype Modules for Training CHWs

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|-----|--|----------|-----|--|
| 36. | Introduction to Training (formerly: Working in the Community) | Jan 1983 | Yes | Final prototype draft written from Lesotho-specific materials. Medical, educational, editorial, and communication associate reviews completed. |
| 37. | Clean Water and Clean Community (formerly: Healthful Living Practices) | Jan 1983 | Yes | Medical, educational, editorial, and communication associate reviews completed. Reviewed and approved by Curriculum Board. Typeset. |

38.	Prevention and Care of Diarrhea (Formerly: Prevention and Care of Diarrhea and Dehydration)	Jan 1983	Yes	Medical, educational, editorial, and communication reviews completed. Reviewed and approved by the Curriculum Board. Typeset, illustrated, and pasted up.
39.	Healthy Pregnancy (formerly: 38. Caring for Pregnant Women; 39. Assisting a Normal Birth; and 40. Child Spacing)	Jan 1983	No	
40.	Child Care and Nutrition	Jan 1983	No	
V.	<u>Glossary, References, and Acknowledgements</u>	Jun 1983		
41.	Some Common Illnesses		No	
42.	Tuberculosis and Leprosy		No	
43.	First Aid		No	