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Workbook for District EPI Managers: Monitoring of Immunization Activities and Use of Vaccines in Yemen

First Edition, March 2005

Prepared by:

Ministry of Public Health and
Population of Yemen

With technical support provided by:

Partners for Health Reformplus
WHO/Yemen



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Mission

Partners for Health Reformplus is USAID's flagship project for health policy and health system strengthening in developing and transitional countries. The five-year project (2000-2005) builds on the predecessor Partnerships for Health Reform Project, continuing PHR's focus on health policy, financing, and organization, with new emphasis on community participation, infectious disease surveillance, and information systems that support the management and delivery of appropriate health services. PHRplus will focus on the following results:

- ▲ *Implementation of appropriate health system reform.*
- ▲ *Generation of new financing for health care, as well as more effective use of existing funds.*
- ▲ *Design and implementation of health information systems for disease surveillance.*
- ▲ *Delivery of quality services by health workers.*
- ▲ *Availability and appropriate use of health commodities.*

March 2005

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Abstract

This workbook accompanies *Guidelines for Safe Immunization Practices and Monitoring of Immunization Programs at District and Facility Levels in Yemen*. It is a tool designed primarily for personnel of district-level EPI (Expanded Programme on Immunization) offices to help them monitor and evaluate immunization work, use of vaccine and adequacy of cold chain on their services territory. It helps EPI managers to establish the link between information systems' data and response, as well as to document the data analysis and utilization for management purposes.

The current version of the workbook has been developed for piloting in the Amran Governorate in 2005. Based on pilot experiences, it will be revised for use nationwide.

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Acronyms

AD	Auto-disable/auto-destruct (syringes)
AFP	Acute Flaccid Paralysis
BCG	Bacille Calmette-Guerin Vaccine
DG	Director General
DPT	Diphtheria, Pertussis and Tetanus Vaccine
EPI	Expanded Programme on Immunization
GIS	Geographic Information Systems
HepB	Hepatitis B Vaccine
Hib	Hemophilus influenza Type B Vaccine
HIS	Health Information Systems
HIV/AIDS	Human Immunodeficiency Virus/ Acquired Immunodeficiency Syndrome
IV	Intravenous
MoPH&P	Ministry of Public Health and Population
OPV	Oral Poliovirus Vaccine
Penta-3	Third Dose of Pentavalent Vaccine
PHR<i>plus</i>	Partners for Health Reform <i>plus</i> Project
TT(2+)	Tetanus Toxoid (at least two doses)
UNICEF	United Nations Children’s Fund
USAID	United States Agency for International Development
VVM	Vaccine Vial Monitors
WCBA	Women of Childbearing Age
WHO	World Health Organization

Contributors

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1. Introduction

This workbook is a job aide accompanying the first edition of *Guidelines for Safe Immunization Practices and Monitoring of Immunization Programs at District and Facility Levels in Yemen*. It consists of self-explanatory worksheets, tables, and graphs to assist district-level EPI managers to better record, process, analyze, and utilize management of information systems' (MIS) data. It provides a detailed template in which critical data on population, vaccinations, immunization barriers, vaccine flow, use and balances, and cold chain equipment are recorded in a standardized format, typically on a monthly or quarterly basis. The workbook contains multiple copies of several forms, with the intention that there be a form for each of the antigens or months of the year. It is recommended that the worksheets, tables, and graphs within the job aide be completed for all critical immunization data in the district.

2. Worksheets and Tables

WORKSHEET ON IMMUNIZATION COVERAGE OF pregnant women with TT 2+

in _____ district _____ (year)

Form D-2.2

Target - no. of pregnant women in the district	No. of TT 2-5 vaccinations given to pregnant women in the home district																																		
	Jan					Feb					Mar					Apr					May					Jun									
	TT2	TT3	TT4	TT5	TOT	TT2	TT3	TT4	TT5	TOT	TT2	TT3	TT4	TT5	TOT	TT2	TT3	TT4	TT5	TOT	TT2	TT3	TT4	TT5	TOT	TT2	TT3	TT4	TT5	TOT	TT2	TT3	TT4	TT5	TOT
TOTAL in the district																																			
Cumulative TOTAL																																			
Cumulative %																																			
	Jul					Aug					Sep					Oct					Nov					Dec									
	TT2	TT3	TT4	TT5	TOT	TT2	TT3	TT4	TT5	TOT	TT2	TT3	TT4	TT5	TOT	TT2	TT3	TT4	TT5	TOT	TT2	TT3	TT4	TT5	TOT	TT2	TT3	TT4	TT5	TOT	TT2	TT3	TT4	TT5	TOT
TOTAL in the district																																			
Cumulative TOTAL																																			
Cumulative %																																			

WORKSHEET ON VACCINES and MATERIALS USAGE IN DISTRICT _____

_____ (month) _____ (year)

Form D-3

Health facility name	BCG		OPV			Pentavalent			Measles			TT			IM syringes		BCG syringes		Mix syringes		Safety boxes		Cards for children		Cards for mothers		
	Used (doses)	Balance (doses)	Used (doses)	Immunizations given	Doses used per 1 vaccination	Balance (doses)	Used (doses)	Immunizations given	Doses used per 1 vaccination	Balance (doses)	Used (doses)	Immunizations given	Doses used per 1 vaccination	Balance (doses)	Used (doses)	Immunizations given	Number used	Balance (doses)	Number used	Balance	Number used	Balance	Number used	Balance	Number used	Balance	
			A	B	C=A/B		A	B	C=A/B		A	B	C=A/B		A	B	C=A/B										

WORKSHEET ON VACCINES and MATERIALS USAGE IN DISTRICT _____

_____ (month) _____ (year)

Form D-3

Health facility name	BCG		OPV			Pentavalent			Measles			TT			IM syringes		BCG syringes		Mix syringes		Safety boxes		Cards for children		Cards for mothers		
	Used (doses)	Balance (doses)	Used (doses)	Immunizations given	Doses used per 1 vaccination	Balance (doses)	Used (doses)	Immunizations given	Doses used per 1 vaccination	Balance (doses)	Used (doses)	Immunizations given	Doses used per 1 vaccination	Balance (doses)	Used (doses)	Immunizations given	Number used	Balance (doses)	Number used	Balance	Number used	Balance	Number used	Balance	Number used	Balance	
			A	B	C=A/B		A	B	C=A/B		A	B	C=A/B		A	B	C=A/B										

WORKSHEET ON VACCINES and MATERIALS USAGE IN DISTRICT _____

_____ (month) _____ (year)

Form D-3

Health facility name	BCG		OPV			Pentavalent			Measles			TT			IM syringes		BCG syringes		Mix syringes		Safety boxes		Cards for children		Cards for mothers		
	Used (doses)	Balance (doses)	Used (doses)	Immunizations given	Doses used per 1 vaccination	Balance (doses)	Used (doses)	Immunizations given	Doses used per 1 vaccination	Balance (doses)	Used (doses)	Immunizations given	Doses used per 1 vaccination	Balance (doses)	Used (doses)	Immunizations given	Number used	Balance (doses)	Number used	Balance	Number used	Balance	Number used	Balance	Number used	Balance	
			A	B	C=A/B		A	B	C=A/B		A	B	C=A/B		A	B	C=A/B										

IMMUNIZATION COVERAGE (%) OF CHILDREN UNDER 1Y with Pentavalent-3 vaccine

District _____ Year _____

4 quarters	100%																		
3 quarters	75%																		
2 quarters	50%																		
1 quarter	25%																		
	0%																		
Cumulative coverage, %																			
4 quarters																			
3 quarters																			
2 quarters																			
1 quarter																			
Health facility (name)																			TOTAL

Cumulative quarterly coverage (%) is used for building the diagram (see appropriate worksheet)