

TABLE OF CONTENTS

ACKNOWLEDGMENTS	v
ACRONYMS	vi
EXECUTIVE SUMMARY	vii
I. INTRODUCTION	1
A. Purpose of the paper	1
B. Magnitude of the problem	1
C. Mechanisms, timing, and risk factors	2
1. HIV transmission during pregnancy	2
2. HIV transmission during labor and delivery	2
3. HIV transmission through breastfeeding	3
D. HIV/AIDS among infants and children	3
II. MTCT PREVENTION COMPONENTS	5
A. The prevention to care continuum	5
B. Core interventions to prevent MTCT	7
1. Comprehensive MCH services (antenatal, postnatal, and child health)	7
2. Voluntary (and confidential) counseling and testing (VCT)	8
3. Support for safe infant feeding	11
4. Optimal obstetric practices	15
5. Short-course antiretroviral (ARV) prophylaxis	17
6. Family planning counseling and services	19
C. Primary prevention	20
D. Postnatal HIV care and support	21
III. OPERATIONAL ISSUES	24
A. Assessing the situation	24
B. Planning through dialogue	25
C. Monitoring and evaluation	26
D. Policy issues	27
IV. CONCLUSIONS AND RECOMMENDATIONS	28
REFERENCES	29

ANNEXES

A: HIV/AIDS IN WOMEN IN SUB-SAHARAN AFRICA	34
B: HIV/AIDS IN CHILDREN IN SUB-SAHARAN AFRICA	35
C: INFANT AND CHILD MORTALITY RATES WITH AND WITHOUT AIDS IN SUB-SAHARAN AFRICAN COUNTRIES (1998 AND 2010)	36
D: SUGGESTED READING LIST FOR MOTHER-TO-CHILD TRANSMISSION (MTCT) PREVENTION	37
E: CHARACTERISTICS OF CORE MTCT PREVENTION INTERVENTIONS	41
F: TECHNICAL REVIEW: SHORT-COURSE ANTIRETROVIRAL DRUGS FOR THE PREVENTION OF MTCT	42

TABLES AND BOXES

Table 1: MTCT and the Prevention to Care Continuum	5
Box 1: Activities for comprehensive MCH services	8
Box 2: Activities for VCT programs	11
Box 3: Activities for safe infant feeding	15
Box 4: Activities for optimal obstetric practices	17
Box 5: Activities for short-course antiretroviral prophylaxis	18
Box 6: Activities for family planning counseling and services	19
Box 7: Activities for primary prevention	21
Box 8: Activities for postnatal HIV care and support	22
Box 9: Activities for social support	23