

Contents

Preface	ix
Acronyms and Abbreviations	xi
Executive Summary	xiii
Introduction	1
1. Global Experience with HIV/AIDS	3
Note	11
2. Review of the HIV/AIDS Situation in the MENA/EM Region	13
Need for Second-Generation Surveillance	17
Notes	20
3. A Typology of Risk Factors	25
At-Risk Groups	25
Injecting Drug Users	26
Sex Workers	29
Men Who Have Sex with Men	31
Vulnerable Groups	32
Migrants	33
Youth	36
STI/STD Patients	40
Structural Vulnerability	42
Notes	45

4. Assessing the Potential Economic Impact of HIV/AIDS in the MENA/EM Region	47
Exploratory Analysis of the Socioeconomic Determinants of HIV/AIDS Prevalence Levels	48
Potential Socioeconomic Consequences of the HIV/AIDS Epidemic	52
Impacts on Health Expenditures	61
Implications for Poverty Reduction	62
Policy Implications	64
Notes	67
5. Responses to HIV/AIDS	69
National Health Systems	70
Other Sectors	73
International and Local Nongovernmental Organizations	74
Private Sector	77
United Nations Agencies	77
Bilateral Donors	79
6. A Way Forward	81
Raising the Priority of HIV/AIDS	81
Reaching Hidden Populations	84
Reducing the Vulnerability of Migrants	86
Providing Practical Information and Means of Prevention	87
Reducing the Vulnerability of Youth	88
Care and Support	88
Structural Factors	89
Working with Communities	89
Monitoring and Evaluation	90
The Time Required	90
Financing the Effort	90
Immediate Next Steps	91
Technical Appendix	93
References	131
Index	169
Boxes	
1.1 Nepal: Too Little, Too Late	6
1.2 Overlooking the Epidemic: The Case of Indonesia	7

1.3	HIV Behavioral Research in a Conservative Society: Experience in Bangladesh	9
2.1	HIV Epidemic Profiles in the MENA/EM Region	19
3.1	Injecting Drug Users in Egypt	28
3.2	Men Who Have Sex with Men, in Egypt	32
3.3	Young People in Egypt	39
5.1	Situation and Needs Assessment in the Republic of Yemen	72
5.2	VCT and Harm-Reduction Programs in the Islamic Republic of Iran	75
5.3	Tunisia: Youth and Condoms	76
6.1	Strategic Planning for HIV/AIDS in Morocco	82
6.2	Reaching MSM in Morocco and Bangladesh	85

Figures

1.1	The Hidden Epidemic in Nepal: HIV Prevalence among Injecting Drug Users and Sex Workers in Kathmandu	5
1.2	HIV Prevalence in Blood Donors in Indonesia	8
2.1	Total Reported AIDS Cases per 100,000 People in Selected Countries in the MENA/EM Region, with East African Comparisons	14
3.1	Evolution of the Seroprevalence of HIV among Bar Hostesses and Sex Workers between 1987 and 1996 in Djibouti	31
3.2	Estimated Annual Incidence of STIs: Africa, Middle East, and Djibouti	42
4.1	Poverty, Inequality, and HIV/AIDS Prevalence	49
4.2	Gender Inequality and HIV/AIDS Prevalence	51
4.3	Potential Underestimation of Current HIV/AIDS Prevalence in Selected MENA/EM Countries	53
4.4	HIV/AIDS Prevalence and Worker Turnover	54
4.5	Annual Cost of Treating an AIDS Patient versus Annual Cost of Primary Education	55
4.6	A Model of Growth to Evaluate the Macroeconomic Impacts of HIV/AIDS	57
4.7	Illustration of Diffusion Profiles for the HIV/AIDS Epidemic in MENA/EM Countries	58
4.8	Jordan: Plausible Predictions for HIV/AIDS Prevalence	59
4.9	HIV/AIDS-Related Average Health Expenditures in 2015	62
4.10	Number of People in the MENA/EM Region Who Would Remain below the Poverty Line as a Consequence of HIV	64

4.11	Benefits from Expanding Access to Condoms and Safe Needles for IDUs and Costs of Delaying Action	66
A.1	Distribution of GDP Losses (2000–25) Resulting from the HIV/AIDS Epidemic	110
A.2	Distribution of Reductions in the GDP Growth Rate (2000–25) Resulting from the HIV/AIDS Epidemic	113
A.3	Distribution of Reductions in the Labor Force in 2025	116
A.4	Distribution of the HIV/AIDS Prevalence Level in 2015	119
A.5	Distribution of HIV/AIDS-Related Health Expenditures in 2015	122

Tables

1.1	Global Regional Variation in HIV Prevalence, December 2002	4
2.1	Reported AIDS Cases in the MENA/EM Region, 1987–2001	15
2.2	Profiles of the HIV/AIDS Epidemics in Countries of the MENA/EM Region	21
3.1	Selected Indicators of Development by Country and Human Development Index	43
4.1	Population Living on Less than US\$2 a Day, by Region	50
4.2	Economic Impacts of the HIV/AIDS Epidemic	60
A.1	Estimates of Model 1	94
A.2	Estimates of Model 2, Excluding Female Participation in the Labor Force	94
A.3	Estimates of Model 2, Including Female Participation in the Labor Force	95
A.4	Model Parameters	104
A.5	Average Number of Partners and of Occurrences of Intercourse per Year	108
A.6	HIV/AIDS Transmission Probabilities	108
A.7	Descriptive Statistics for Output Variables: Status Quo	109
A.8	Two Classical Interventions: Distributing Condoms and Needles	125
A.9	Unit Costs for Needle Distribution Intervention	126
A.10	Output Variables under Policy Interventions	127
A.11	Output Variables if Policy Intervention Is Postponed for Five Years	128