



Measuring medicine prices, availability, affordability and price components

2ND EDITION



World Health
Organization



Measuring medicine prices, availability, affordability and price components

2ND EDITION



© World Health Organization and Health Action International 2008

All rights reserved.

The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the World Health Organization and Health Action International concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.

The mention of specific companies or of certain manufacturers' products does not imply that they are endorsed or recommended by the World Health Organization and Health Action International in preference to others of a similar nature that are not mentioned. Errors and omissions excepted, the names of proprietary products are distinguished by initial capital letters.

All reasonable precautions have been taken by the World Health Organization and Health Action International to verify the information contained in this publication. However, the published material is being distributed without warranty of any kind, either expressed or implied. The responsibility for the interpretation and use of the material lies with the reader. In no event shall the World Health Organization and Health Action International be liable for damages arising from its use.

Layout by minimum graphics
Printed in Switzerland

Contents

Abbreviations	ix
Foreword	xi
Acknowledgements	xiii
1 INTRODUCTION	1
1.1 Why measure the price and availability of medicines?	1
1.2 The WHO/HAI Project on Medicine Prices and Availability	2
1.2.1 Background and project objectives	2
1.2.2 Development, testing and use of the manual	3
1.2.3 Survey results	4
1.2.4 Evidence for policy development and implementation	5
1.2.5 Related surveys and initiatives	6
1.3 The Medicine Prices and Availability survey manual – second edition	6
References	7
2 SURVEY OVERVIEW AND PRE-SURVEY PLANNING	9
2.1 Survey overview	9
2.1.1 Survey objectives	9
2.1.2 Key elements of the survey design	10
2.1.3 The standard approach to measuring medicine prices and availability	13
2.1.4 Steps in the survey	13
2.2 Pre-survey preparation	13
2.2.1 Establishing an advisory committee	15
2.2.2 Clarifying the specific survey objectives	16
2.2.3 Collecting information on the health system and pharmaceutical sector	16
2.2.4 Selecting survey personnel	18
2.2.5 Securing the technical and financial resources required	20
2.2.6 Seeking endorsement for the survey	22
2.2.7 Preparing a survey schedule	22
3 PREPARATION	23
3.1 Determining the survey scope	23
3.1.1 Planning where to conduct the study – national or regional?	23
3.1.2 Identifying sectors to be surveyed	24
3.1.3 Identifying survey areas	27
3.2 Selecting the sample	28
3.3 Developing the list of medicines to be surveyed	34
3.3.1 Global and regional core lists of medicines to be surveyed	35
3.3.2 Supplementary list of medicines to be surveyed	37

3.4	Preparing the workbook and creating the Medicine Price Data Collection form	40
3.4.1	Elements of the Medicine Price Data Collection Form	48
4	TRAINING AREA SUPERVISORS, DATA COLLECTORS AND DATA ENTRY PERSONNEL	53
4.1	The importance of data quality and the consequences of poor-quality data	53
4.2	Overview of training	55
4.3	Preparing for the training workshop	57
4.4	Conducting the training workshop, including the data collection pilot test	60
4.5	Finalizing the Medicine Price Data Collection form	63
4.6	Training tools	63
5	PREPARING FOR DATA COLLECTION IN THE FIELD	65
5.1	Planning the data collection visits	65
5.1.1	Prepare a letter of introduction	65
5.1.2	Make initial contact with medicine outlets	66
5.1.3	Prepare a schedule of data collection visits	66
5.2	Preparing the Medicine Price Data Collection forms needed for field visits	67
5.2.1	Generate the final Medicine Price Data Collection form using the automated workbook	67
5.2.2	Make sufficient copies of the Medicine Price Data Collection form for field visits	67
5.2.3	Prepare a facility-specific Medicine Price Data Collection form for each medicine outlet to be visited	68
5.2.4	Arrange for storage of completed Medicine Price Data Collection forms	68
5.3	Preparing information materials and tools for data collectors	68
5.4	Arrange for regular communications	70
6	DATA COLLECTION IN THE FIELD	72
6.1	Fieldwork: area supervisors	72
6.1.1	Field supervision	73
6.1.2	Daily check of completed Medicine Price Data Collection forms	73
6.1.3	Validation of data collection	73
6.1.4	Calculating the unit prices of medicines	74
6.1.5	Storing completed Medicine Price Data Collection forms	74
6.2	Fieldwork: data collectors	74
6.2.1	Before going out into the field each day	74
6.2.2	On arrival at the facility	75
6.2.3	Procedure for completing the Medicine Price Data Collection form	75
6.2.4	Before leaving the facility	78
6.3	Ensuring data quality	78
7	DATA ENTRY	80
7.1	Overview of the workbook and its operations	80
7.1.1	Moving between workbook pages	81

7.1.2	Protected and hidden cells	81
7.1.3	Ensuring accuracy	81
7.1.4	Saving and backing up your work	82
7.2	Home page	82
7.3	International Medicine Reference Price Data page	84
7.3.1	Entering the exchange rate	84
7.3.2	Medicine identifying information	84
7.4	Field Data Consolidation pages	86
7.4.1	Field Data Consolidation page sections	87
7.4.2	Action buttons	91
7.4.3	How to enter data	91
7.4.4	Double entry procedures	93
7.5	Standard Treatment Affordability page	95
7.6	Price Components: Data entry page	97
7.7	Data checker	97
7.8	Other pages	99
8	DATA ANALYSIS AND INTERPRETATION	100
8.1	Overview of data analysis	100
8.1.1	Within-sector analysis of medicine prices and availability	101
8.1.2	Cross-sector comparisons	102
8.1.3	Treatment affordability	102
8.1.4	Price components	102
8.2	Conducting data analysis	102
8.3	Within-sector analyses	106
8.3.1	Within-sector analyses: medicine procurement price data	106
8.3.2	Within-sector analyses: patient price and medicine availability data	111
8.4	Cross-sector analysis: price and availability comparisons	118
8.4.1	Cross-sector comparison of data for individual medicines	119
8.4.2	Comparison of summary data for each sector	120
8.5	Subgroup analysis	123
8.5.1	Selecting subgroups	124
8.5.2	Comparing subgroups	126
8.6	Analysis of treatment affordability	126
9	MEASURING PRICE COMPONENTS	129
9.1	Background	129
9.2	Overview of the price components survey methodology	130
9.3	Overview of price components	132
9.3.1	Stage 1: Manufacturer's selling price + insurance and freight	133
9.3.2	Stage 2: Landed price	135
9.3.3	Stage 3: Wholesale selling price or central medical store price	138
9.3.4	Stage 4: Retail price (private sector) or dispensary price (public sector)	139
9.3.5	Stage 5: Dispensed price	140
9.4	Costs that are not included in price composition analysis	141
9.5	Planning the price components survey	142

9.5.1	Meeting with the advisory committee	142
9.5.2	Personnel	143
9.5.3	Seeking endorsements	143
9.5.4	Planning timeline	143
9.5.5	Planning where to conduct the study	144
9.6	Selecting the medicines to be surveyed	145
9.7	Selecting dispensing sites (medicine outlets) to survey	146
9.8	Selecting which price components to survey	147
9.9	Training	147
9.10	Planning data collection visits	149
9.11	Data collection	149
9.11.1	Central data collection on national pharmaceutical policies	150
9.11.2	Collecting data along the supply chain	151
9.12	The Price Components Data Collection form	152
9.12.1	Elements of the Price Components Data Collection form	153
9.12.2	Instructions for completing the Price Components Data Collection form	154
9.13	Data entry	159
9.13.1	Completing the data entry table	160
9.14	Data analysis	164
9.14.1	Analysing central data	164
9.14.2	Analysing data for individual medicines	164
9.14.3	Comparing central data with data from individual medicines	169
9.15	Reporting results	169
	References	170
10	INTERNATIONAL COMPARISONS	171
10.1	Pitfalls in International comparisons	171
10.2	Where to obtain country data for comparison	172
10.3	Choosing what to compare	173
10.3.1	Choosing countries	173
10.3.2	Choosing medicines	173
10.4	Adjusting data in international comparisons	173
10.5	Comparisons of the prices of individual medicines	174
10.6	Comparisons of the availability of medicines	175

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_28400

