



Pharmaceutical Sector Scan

Part of Component 1 of the MeTA Baseline Assessments
Part III - Data Sources and Comments

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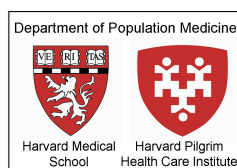
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WHO Harvard Collaborating Center in Pharmaceutical Policy

On behalf of

The Medicines Transparency Alliance



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Country Profile: Demographic and Socioeconomic Indicators **Possible sources:** MOH, Ministry of Planning, National Bureau of Statistics, WHOSIS¹, WHO Global InfoBase², World Bank Annual Development Report³, WHO National Macroeconomics Report⁴

Pharmaceutical Sector Scan – Data Sources and Comments

Document source of each item and year collected:

Item Number	Source, Location, & Year	Comments
Population, mortality, fertility		
1.1 →	World Health Statistics 2010 WHO Statistical Information System (WHOSIS) http://www.who.int/whosis/en/index.html	WHS latest's Data from 2008. CSO Census latest data is from 2000 Demographic Health Survey2007
1.2	http://www.who.int/whosis/en/index.html	WHS latest's Data from 2008. CSO Census latest data is from 2000 Demographic Health Survey2007
1.3	http://www.who.int/whosis/en/index.html	WHS latest's Data from 2008. CSO Census latest data is from 2000 Demographic Health Survey2007
1.4	http://www.who.int/whosis/en/index.html	WHS latest's Data from 2008. CSO Census latest data is from 2000 Demographic Health Survey2007
1.5	http://www.who.int/whosis/en/index.html	WHS latest's Data from 2008. CSO Census latest data is from 2000 Demographic Health Survey2007
1.6	http://www.who.int/whosis/en/index.html	WHS latest's Data from 2008. CSO Census latest data is from 2000 Demographic Health Survey2007
1.7	http://www.who.int/whosis/en/index.html	WHS latest's Data from 2008. CSO Census latest data is from 2000 Demographic Health Survey2007
Economic status		
1.8	http://www.who.int/whosis/en/index.html	WHS latest's Data from 2008. CSO Census latest data is from 2000 Demographic Health Survey2007
1.9	Central statistical office monthly bulletin, May 2010 www.zamstats.gov.zm	Growth in GDP per capital 2001-2009
1.10	MOH Country Profile data on Pharmaceutical situation 2006	
1.11	CSO 2006; MOH Country Profile data on Pharmaceutical situation 2006	

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Item Number	Source, Location, & Year	Comments
	www.zamstats.gov.zm	
Education and literacy		
1.12	http://www.who.int/whosis/en/index.html	
1.13	Ministry of Education gross enrollment ratio 2009	See attached
1.14	Ministry of Education gross enrollment ratio 2009	See attached

Pharmaceutical Sector Scan – Data Sources and Comments

1. Country Profile: Mortality and Causes of Death

Possible sources: MOH, Ministry of Planning, National Bureau of Statistics, WHOSIS¹, WHO Global InfoBase², World Bank Annual Development Report³, WHO National Macroeconomics Report⁴, WHO National Health Accounts⁵

Document source of each item and year collected:

Item Number	Source, Location, & Year	Comments
<i>Life expectancy and mortality</i>		
2.1.	WHO Global Health Observatory 2007 http://www.who.int/whosis/en/index.html	
2.2.	WHO Global Health Observatory 2007 http://www.who.int/whosis/en/index.html	
2.3.	Zambia demographic and health survey 2007, CSO	
2.4.	Zambia demographic and health survey 2007, CSO	
2.5.	WHO Global Health Observatory 2007 http://www.who.int/whosis/en/index.html	
2.6.	WHO Global Health Observatory 2007 http://www.who.int/whosis/en/index.html	
2.7.	WHO Global Health Observatory 2007 http://www.who.int/whosis/en/index.html	Latest Data was collected in 2004
2.8.	WHO Global Health Observatory 2007 http://www.who.int/whosis/en/index.html	
2.9.	WHO Global Health Observatory 2007 http://www.who.int/whosis/en/index.html	
2.10.	WHO Global Health Observatory 2007 http://www.who.int/whosis/en/index.html	
2.11.	WHO Global Health Observatory 2007 http://www.who.int/whosis/en/index.html	Gave separate data for HIV –ve and +ve positive population.
<i>Causes of death among children <5 years</i>		
2.12.	WHO Global Health Statistics 2010 http://www.who.int/whosis/en/index.html	Latest Data was collected in 2008
2.13.	WHO Global Health Statistics 2010 http://www.who.int/whosis/en/index.html	Latest Data was collected in 2008
2.14.	WHO Global Health Statistics 2010 http://www.who.int/whosis/en/index.html	Latest Data was collected in 2008

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Item Number	Source, Location, & Year	Comments
2.15.	WHO Global Health Statistics 2010 http://www.who.int/whosis/en/index.html	Latest Data was collected in 2008
2.16.	WHO Global Health Statistics 2010 http://www.who.int/whosis/en/index.html	Latest Data was collected in 2008
2.17.	WHO Global Health Statistics 2010	Latest Data was collected in 2008
2.18.	WHO Global Health Statistics 2010	Latest Data was collected in 2008


2. Country Profile: Health Care Expenditures

Possible sources: MOH, Ministry of Finances, Ministry of Planning, National Bureau of Statistics, WHOSIS¹, WHO Global InfoBase², World Bank Annual Development Report³, WHO National Macroeconomics Report⁴, WHO National Health Accounts⁵, WHO Global Burden of Disease and Risk Factors Data Base⁶, Demographic and Health Surveys⁷, World Bank Health and Nutrition Data Base⁸

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
Overall health expenditures		
3.1. →	MOH, Estimates of Revenue and Expenditure 1 st Jan-31 st December 2009 (Yellow Book)	
3.2.	Ministry of Finance www.mofnp.gov.zm	This data is from Ministry of Finance
3.3. →	Ministry of Finance www.mofnp.gov.zm 2010 budget speech	Total Government Budget for 2010 is ZMK 16,717.8 Billion. Ministry of Health Total budget is ZMK 1,362.5 Billion
Health expenditures by source		
3.4. →	MOH, MOF www.mofnp.gov.zm	
3.5. →	WHO Global Health Statistics 2010 http://www.who.int/whosis/en/index.html	Latest Data was collected in 2007
3.6.		N/A
3.7. →	WHO Global Health Statistics 2010 http://www.who.int/whosis/en/index.html	Latest Data was collected in 2007
3.8.	WHO Global Health Statistics 2010 http://www.who.int/whosis/en/index.html	Latest Data was collected in 2007
3.9. →	WHO Global Health Statistics 2010 http://www.who.int/whosis/en/index.html	Latest Data was collected in 2007
3.10.	WHO Global Health Statistics 2010 http://www.who.int/whosis/en/index.html	Latest Data was collected in 2007

Pharmaceutical Sector Scan – Data Sources and Comments

Item Number(s)	Source, Location, & Year	Comments
	mi	
3.11. 		<i>No data compiled or available</i>

3. Country Profile: Health Personnel, Infrastructure, and Primary Health Care

Possible sources: MOH, Ministry of Finances, Ministry of Labor, Ministry of Planning, National Bureau of Statistics, WHOSIS¹, WHO Global InfoBase², World Bank Annual Development Report³, WHO National Health Accounts⁵, WHO Global Burden of Disease and Risk Factors Data Base⁶, Demographic and Health Surveys⁷, World Bank Health and Nutrition Data Base⁸

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
Personnel		
4.1. →	Medical Council of Zambia Medical Council Register 2009 www.medicalcouncilofzambia.org.zm	MCZ register 2009 has total number registered at 1729
4.2.	General Nursing Council, Jan 2004 - Feb 2010	General Nursing Council, Jan 2004 - Feb 2010 has total registered as 16,455 Nurses and 6,514 Midwives
4.3. →	Medical Council of Zambia Medical Council Register 2009 www.medicalcouncilofzambia.org.zm	MCZ register 2009 has total number registered at 277
4.4.	Medical Council of Zambia Medical Council Register 2009 www.medicalcouncilofzambia.org.zm	MCZ register 2009 has total number registered at 512 Pharmacy Technologists
4.5.	No data	
Facilities		
4.6.	MCZ, medical council register 2008 and MOH- Health Institutions in Zambia Feb 2008 www.medicalcouncilofzambia.org.zm	
4.7.	World Health Statistics 2010 WHO Statistical Information System (WHOSIS)	Data was collected in 2009

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Item Number(s)	Source, Location, & Year	Comments
	http://www.who.int/whosis/en/index.html	
4.8. →	Pharmaceutical Regulatory Authority www.pra.gov.zm	Please see list attached
Primary Health Care		
4.9.	MOH Health Institutions in Zambia 2008	
4.10.	World Health Statistics 2010 WHO Statistical Information System (WHOSIS) http://www.who.int/whosis/en/index.html	Data collected was in 2008
4.11.	ZDHS, 2007, CSO	Vaccinated by 12 months of age

4. Medicines Policy and Regulatory Framework

Possible sources: National legislative proceedings, MOH, Medicines Regulatory Agency, WHO Level I Survey 2003⁹ and 2007, WHO Evaluation of Pharmaceutical Regulations¹⁰, WHO Good Governance for Medicines Project¹¹

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
Policy framework		
5.1.	Pharmaceutical Regulatory Authority www.pra.gov.zm	MOH Country Profile data on Pharmaceutical situation 2006 also confirmed as source (includes data from 2007-2009)
a.	Pharmaceutical Regulatory Authority www.pra.gov.zm	
5.2. →	Pharmaceutical Regulatory Authority www.pra.gov.zm	
a.	2005	Currently undergoing review.
b.	Pharmacy Regulatory Authority	
5.3. →		
a.	Pharmacy Regulatory Authority	
Regulatory framework		
5.4. →	Pharmaceutical Act Pharmaceutical Regulatory Authority www.pra.gov.zm Pharmaceutical Act 2004	Regulation by Pharmaceutical Regulatory Authority who enforce the ACT
5.5. →	Pharmaceutical Act Pharmaceutical Regulatory Authority www.pra.gov.zm Pharmaceutical Act 2004	Regulation by Pharmaceutical Regulatory Authority
5.6.	Pharmaceutical Act Pharmaceutical Regulatory Authority www.pra.gov.zm	

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Item Number(s)	Source, Location, & Year	Comments
5.7. ➡	Pharmaceutical Act Pharmaceutical Regulatory Authority www.pra.gov.zm Pharmaceutical Act 2004	
a.	Pharmaceutical Act Pharmaceutical Regulatory Authority www.pra.gov.zm	Looking at employing more but current office premises is too small
5.8. ➡	Pharmaceutical Act 2004 MCZ Code of conduct 1995 www.medicalcouncilofzambia.org.zm	Can also be obtained from MCZ
5.9. ➡	Pharmaceutical Act 2004 MCZ Code of conduct 1995 www.medicalcouncilofzambia.org.zm	
5.10. ➡	Pharmaceutical Act Pharmaceutical Regulatory Authority www.pra.gov.zm	They are currently working with the SADC countries to harmonize systems and procedures
5.11. ➡	a. Pharmaceutical Act Pharmaceutical Regulatory Authority www.pra.gov.zm	

5. Medicines Market at Retail Price

In this section, “medicines market” refers to public, private, and not-for-profit markets.

Possible sources: National legislative proceedings, MOH, Medicines Regulatory Agency, Ministry of Trade, National Bureau of Statistics, Manufacturer associations, Importer or wholesaler records, WHO Level I Survey 2003⁹ and 2007, IMS country reports¹², WHO World Medicines Situation¹³

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
6.1. →	Pharmaceutical Act Pharmaceutical Regulatory Authority www.pra.gov.zm Products register, PRA 2010	New Products register recently revised not yet launched
6.2. →	Pharmaceutical Act Pharmaceutical Regulatory Authority www.pra.gov.zm	Available to public but not in those parameters. Does not reflect these parameters.
6.3.	WHO/HAI 2010	Not available
6.4. →	WHO/HAI 2010	Survey report not yet completed
6.5. →	WHO/HAI 2010	Survey report not yet completed
6.6. →	WHO/HAI 2010	Survey report not yet completed
6.7.	WHO/HAI 2010	Survey report not yet completed
6.8.	WHO/HAI 2010	Survey report not yet completed

6. Medicines Financing: Government Expenditures and Health Insurance

Possible sources: MOH, National or Social Health Insurance, WHO National Health Accounts⁵, WHO Level I Survey 2003⁹ and 2007, WHO World Medicines Situation¹³

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
Medicines expenditures		
7.1. ➡	MOH, Estimates of Revenue and Expenditure 1 st Jan-31 st December 2009 (Yellow Book) Ministry of Finance www.mofnp.gov.zm <i>2010 budget speech</i>	These are figures for 2009. These were guided by Ministry of Health and Ministry of Finance as figures from 2009. The Budget for Health in 2009 was 1,151,2 Billion. For 2010 the Budget allocated for health is ZMK 83.8 Billion
7.2. ➡		These are expenditure figures for 2009. These were guided by Ministry of Health.
7.3. ➡	MOH, Estimates of Revenue and Expenditure 1 st Jan-31 st December 2009 (Yellow Book)	These are total cost of ARV's, Vaccines, TB drugs, RH. We were guided by Ministry of Health. These are expenditure figures for 2009. These were guided by Ministry of Health.
7.4. ➡	Ministry of Finance www.mofnp.gov.zm	These are expenditure figures for 2009. Used the 2009 Health budget of ZMK 1,151.2 to arrive at this figure
7.5. ➡		No data compiled, collected or available
Health insurance		
7.6. ➡	N/A	
7.7. ➡	N/A	
7.8. ➡	N/A	
7.9. ➡	N/A	
7.10. ➡	N/A	
7.11. ➡	N/A	

7. Medicines Financing: Public Programs Providing Free Medicines

Possible sources: MOH, National or Social Health Insurance, WHO National Health Accounts⁵, WHO Level I Survey 2003⁹ and 2007, WHO World Medicines Situation¹³

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
8.1. ↗	MOH	There is a small fee for a Scheme which enables free healthcare. The scheme is to be renewed every six months. The cost is K5,500.00.. These answers below were also provided via verbal interview by MOH Deputy Director of Pharmaceutical Services
8.2. ↗ a. ↗	MOH	
b. ↗	MOH	
c. ↗	MOH	
d. ↗	MOH	
8.3. ↗ a. ↗	MOH	
b.	MOH	
c.	MOH	
d.	MOH	
e.	MOH	User fees were removed as part of the ART National Scale-up Plan
8.4. ↗ a. ↗	MOH	
b. ↗	MOH	

8. Medicines Financing: Patient Fees and Copayments

Possible sources: MOH, National or Social Health Insurance, WHO National Health Accounts⁵, WHO Level I Survey 2003⁹ and 2007, WHO World Medicines Situation¹³

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
9.1. ↕	MOH	There is a small fee for a Scheme which enables free healthcare. The scheme is to be renewed every six months. The cost is K5,500.00
9.2. ↕	MOH	There is a small fee for a Scheme which enables free healthcare. The scheme is to be renewed every six months. The cost is K5,500.00
9.3. ↕	MOH	There are no fees for dispensing of medicines in Public primary care facilities.
9.4. ↕	MOH	Yes they are. Still patients are to be on the scheme for routine medical care.
9.5. ↕	MOH	N/A
9.6. ↕	MOH	N/A
a.	MOH	N/A
9.7. ↕	MOH	N/A
a.	MOH	N/A

9. Medicines Trade: Intellectual Property Laws

Possible sources: Ministry of Trade, National Patent Office, WTO¹⁴

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
10.1.	MOH, WHO Level I 2007, PACRO	Assessment of the Pharmaceutical sector in Zambia 2006

10. Medicines Trade: Registration

Possible sources: MOH, Medicines Regulatory Agency, WHO Level I Survey 2003⁹ and 2007, WHO Evaluation of Pharmaceutical Regulations¹⁰

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
11.1. →	Pharmacy Regulatory Authority www.pra.gov.zm MOH, WHO Level I 2007	Guidelines at Pharmaceutical Regulatory Authority Assessment of the Pharmaceutical sector in Zambia
11.2. →	Pharmacy Regulatory Authority www.pra.gov.zm MOH, WHO Level I 2007	Guidelines at Pharmaceutical Regulatory Authority Assessment of the Pharmaceutical sector in Zambia
11.3. →	Pharmacy Regulatory Authority www.pra.gov.zm	Committee organised by PRA
11.4.	Pharmacy Regulatory Authority www.pra.gov.zm MOH, WHO Level I 2007	Guidelines at Pharmaceutical Regulatory Authority Assessment of the Pharmaceutical sector in Zambia
11.5. →	Pharmacy Regulatory Authority www.pra.gov.zm	Schedule of fees based on Statutory instrument # 7 of 2008 available at PRA
11.6.	Pharmacy Regulatory Authority www.pra.gov.zm	Schedule of fees based on Statutory instrument # 7 of 2008. Different fees available. Please check attached schedule
11.7.	Pharmacy Regulatory Authority www.pra.gov.zm	Schedule of fees based on Statutory instrument # 7 of 2008. Different fees available Please check schedule
11.8. →	Zambia Pharmaceutical Act Pharmacy Regulatory Authority www.pra.gov.zm	Guidelines for appeal available at PRA
11.9. →	Pharmacy Regulatory Authority www.pra.gov.zm	Guidelines at Pharmaceutical Regulatory Authority Assessment of the Pharmaceutical sector in

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Item Number(s)	Source, Location, & Year	Comments
	MOH, WHO Level I 2007	Zambia. Currently physical inspection NOT chemical inspection
11.10. →	Pharmacy Regulatory Authority www.pra.gov.zm	Medicines Register 2010 at PRA Recently registered on website
11.11. →	Pharmacy Regulatory Authority www.pra.gov.zm	No data
11.12.	Pharmacy Regulatory Authority www.pra.gov.zm	No documentation to support
11.13.	Pharmacy Regulatory Authority www.pra.gov.zm	No documentation to support

11. Medicines Trade: Manufacturing

Possible sources: MOH, Medicines Regulatory Agency, Ministry of Labor, Ministry of Trade, National Manufacturer Associations, Pharmacist Associations, International Manufacturer Associations¹⁵, WHO Level I Survey 2003⁹ and 2007

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
All manufacturers		
12.1. →	Pharmacy Regulatory Authority www.pra.gov.zm	Inspection reports available on request not availed for this sector scan
12.2. →	Pharmacy Regulatory Authority www.pra.gov.zm	Inspection reports available on request not availed for this sector scan
Domestic manufacturers		
12.3. →	Pharmacy Regulatory Authority www.pra.gov.zm	

Pharmaceutical Sector Scan – Data Sources and Comments

Item Number(s)	Source, Location, & Year	Comments
	Guided by Pharmaceuticals Act 2004	
12.4.	Pharmacy Regulatory Authority www.pra.gov.zm Guided by Pharmaceuticals Act 2004	Registration done by PRA
12.5. a.	Pharmacy Regulatory Authority www.pra.gov.zm	No R & D currently done by any of the manufacturers
b.	Pharmacy Regulatory Authority www.pra.gov.zm	No raw material manufacturer in Zambia
c.	Pharmacy Regulatory Authority www.pra.gov.zm	
d.	Pharmacy Regulatory Authority www.pra.gov.zm	
12.6.		The volume produced by manufacturers is very small
12.7.		The volume produced by manufacturers is very small
Multinational manufacturers		
12.8. →	Pharmacy Regulatory Authority www.pra.gov.zm Pharmaceutical Act 2004	PRA implements the Pharmaceutical Act
12.9. →	Pharmacy Regulatory Authority www.pra.gov.zm Pharmaceutical Act 2004	
12.10.	Pharmacy Regulatory Authority www.pra.gov.zm	List not available
12.11.	Pharmacy Regulatory Authority www.pra.gov.zm	List not available

12. Medicines Trade: Quality Assurance

Possible sources: MOH, Medicines Regulatory Agency, WHO Level I Survey 2003⁹ and 2007, WHO Evaluation of Pharmaceutical Regulations¹⁰, Pharmaceutical Security Institute¹⁶

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
13.1. →	Pharmacy Regulatory Authority www.pra.gov.zm Pharmaceuticals Act 2004	Implemented by PRA guided by the Act. They have the power to collect any samples from any establishment.
13.2. →	Pharmacy Regulatory Authority www.pra.gov.zm Pharmaceuticals Act 2004	Implemented by PRA guided by the Act. They can only detect using physical inspection
13.3. →	Pharmacy Regulatory Authority www.pra.gov.zm Pharmaceuticals Act 2004	Documents examined by PRA
13.4. →	Pharmacy Regulatory Authority www.pra.gov.zm Pharmaceuticals Act 2004 MOH-WHO level 1	Implemented and monitored by PRA following WHO-GMP guidelines Assessment of the Pharmaceutical Sector in Zambia
13.5. →	Pharmacy Regulatory Authority www.pra.gov.zm	No survey done to collect figures and data
13.6. →	Pharmacy Regulatory Authority www.pra.gov.zm	No survey done to collect figures and data
13.7. →	Pharmacy Regulatory Authority	No list or data available

Pharmaceutical Sector Scan – Data Sources and Comments

Item Number(s)	Source, Location, & Year	Comments
	www.pra.gov.zm	

13. Medicines Trade: Price Control and Transparency

Possible sources: MOH, Medicines Regulatory Agency, Wholesalers, Retailers, Health Insurance Agencies, IMS¹², WHO Level I Survey 2003⁹ and 2007, WHO Evaluation of Pharmaceutical Regulations¹⁰, WHO/HAI Surveys¹⁷

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
Legal or regulatory provisions for medicines price control		
14.1. ➡		No price control exists. .
a.		No price control exists
b.		No price control exists
c.		No price control exists
d.	Zambia Revenue Authority www.zra.org	Duty collected by Zambia Revenue Authority
e.	Zambia Revenue Authority www.zra.org	N/A
f.	Zambia Revenue Authority www.zra.org	N/A
14.2.	WHO/HAI SURVEY	No legal price control exists
Medicines price transparency		
14.3. ➡	WHO, Pharmacy Regulatory Authority www.pra.gov.zm	No price control exists
14.4. ➡	WHO, Pharmacy Regulatory Authority www.pra.gov.zm	No price control exists
14.5. ➡	WHO, Pharmacy Regulatory Authority www.pra.gov.zm	No price control exists



14. Medicines Trade: Price Comparison in the Private-for-Profit Sector

Possible sources: MOH, Medicines Regulatory Agency, Wholesalers, Retailers, Health Insurance Agencies, IMS¹², WHO Level I Survey 2003⁹ and 2007, WHO Evaluation of Pharmaceutical Regulations¹⁰, WHO/HAI Surveys¹⁷

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
Medicines price comparison in the private for-profit sector (i.e. retail pharmacies)		
15.1. a.	WHO/HAI SURVEY 2010	Data compiled but analysis not yet complete hence data not available.
b.	WHO/HAI SURVEY 2010	Data compiled but analysis not yet complete hence data not available.
15.2.	WHO/HAI SURVEY 2010	Data compiled but analysis not yet complete hence data not available.
15.3.	WHO/HAI SURVEY 2010	Data compiled but analysis not yet complete hence data not available.
15.4.	WHO/HAI SURVEY 2010	Data compiled but analysis not yet complete hence data not available.
15.5.	WHO/HAI SURVEY 2010	Data compiled but analysis not yet complete hence data not available.

15. Medicines Trade: Consumer Prices of Medicines on HAI Global Core List →

Possible sources: WHO/HAI Survey¹⁷

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
Medicine, Strength, Formulation		
16.1.		
16.2.		
16.3.		
16.4.		
16.5.		
16.6.		
16.7.		
16.8.		
16.9.		
16.10.		
16.11.		
16.12.		
16.13.		
16.14.		

16. Medicines Trade: Promotion and Advertising - Legal and Regulatory Provisions

Possible sources: MOH, Medicines Regulatory Agency, National Manufacturer Associations, Consumer Associations, NGOs, Public Procurement Agencies, International Manufacturer Associations¹⁵, WHO/HAI¹⁷

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
17.1. →	Pharmacy Regulatory Authority www.pra.gov.zm	Guidelines for Advertising from PRA 2008
17.2. →	Pharmacy Regulatory Authority www.pra.gov.zm	Guidelines for Advertising from PRA 2008
17.3. →	Pharmacy Regulatory Authority www.pra.gov.zm	Guidelines for Advertising from PRA 2008
17.4. →	Pharmacy Regulatory Authority www.pra.gov.zm	Guidelines for Advertising from PRA 2008
17.5. →	Pharmacy Regulatory Authority www.pra.gov.zm	Guidelines for Advertising from PRA 2008
a.	Pharmacy Regulatory Authority www.pra.gov.zm	No committee, just guidelines enforced by PRA
b.	Pharmacy Regulatory Authority www.pra.gov.zm	No committee, just guidelines enforced by PRA
c.	Pharmacy Regulatory Authority www.pra.gov.zm	
17.6. →	Pharmacy Regulatory Authority www.pra.gov.zm	None exist
17.7. →	Pharmacy Regulatory Authority www.pra.gov.zm	No complaints currently recorded.
17.8. →	Pharmacy Regulatory Authority www.pra.gov.zm	No violators recorded

17. Medicines Trade: Promotion and Advertising - Code of Conduct and Spending

Possible sources: MOH, Medicines Regulatory Agency, National Manufacturer Associations, consumer Associations, NGOs, Public Procurement Agencies, International Manufacturer Associations¹⁵, WHO/HAI¹⁷

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
Code of conduct		
18.1. →	Pharmacy Regulatory Authority www.pra.gov.zm www.medicalcouncilofzambia.org.zm	Medical Council code of Conduct Book 1995
18.2. →	Pharmacy Regulatory Authority www.pra.gov.zm	Guidelines for Advertising from PRA 2008
a.	Pharmacy Regulatory Authority www.pra.gov.zm	Guidelines for Advertising from PRA 2008
b.	Guidelines for Advertising from PRA 2008	Guidelines for Advertising from PRA 2008
c.	Guidelines for Advertising from PRA 2008	Guidelines for Advertising from PRA 2008
d.	Guidelines for Advertising from PRA 2008	No complaints recorded
Promotion and Advertising Spending		
18.3. →	Pharmacy Regulatory Authority www.pra.gov.zm	

18. Medicines Supply System: Selection

Possible sources: MOH, Health Insurance Agencies, WHO Level I Survey 2003⁹ and 2007

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
19.1. ➡	M. O. H-WHO level 1 www.moh.gov.zm	Assessment of the Pharmaceutical sector in Zambia 2006 (includes data from 2007, 2009). These answers below were also provided via verbal interview by MOH Deputy Director of Pharmaceutical Services
a.	M. O. H-WHO level 1 www.moh.gov.zm	Assessment of the Pharmaceutical sector in Zambia 2006 (includes data from 2007, 2009)
b.	M. O. H-WHO level 1 www.moh.gov.zm	Assessment of the Pharmaceutical sector in Zambia 2006 (includes data from 2007, 2009)
19.2. ➡	M. O. H, www.moh.gov.zm	
a.	M. O. H, Essential Medicines List www.moh.gov.zm	
b.		
c.	M. O. H www.moh.gov.zm	
d.	M. O. H www.moh.gov.zm	
e.	M. O. H www.moh.gov.zm	
f.	M. O. H www.moh.gov.zm	Source said it is not possible to retrieve the data
g.	M. O. H	
19.3. ➡	M. O. H	No supporting data available
19.4. ➡	M. O. H-WHO level 1	Assessment of the Pharmaceutical sector in Zambia 2006 (includes data from 2007, 2009)
a.	M. O. H-WHO level 1	Assessment of the Pharmaceutical sector in Zambia 2006 (includes data from 2007, 2009)
b.	M. O. H-WHO level 1	Assessment of the Pharmaceutical sector in Zambia 2006 (includes data

Pharmaceutical Sector Scan – Data Sources and Comments

Item Number(s)	Source, Location, & Year	Comments
		from 2007, 2009)

19. Medicines Supply System: Procurement in the Public Sector

Possible sources: MOH, Government Procurement Agency, Public Hospitals and Dispensaries, WHO Level I Survey 2003⁹ and 2007, WHO/HAI Surveys¹⁷, IMS¹²

Pharmaceutical Sector Scan – Data Sources and Comments

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
20.1. →	M. O. H-WHO level 1 www.tenderboard.gov.zm www.moh.gov.zm	Assessment of the Pharmaceutical sector in Zambia 2006 (includes data from 2007, 2009). Zambia Public Procurement Authority. ZPPA Act 2008, These answers below were also provided via verbal interview by MOH Procurement and Pharmacy Units.
20.2.	M. O. H-WHO level 1 www.moh.gov.zm	Assessment of the Pharmaceutical sector in Zambia 2006 (includes data from 2007, 2009)
20.3. →	M .O .H www.tenderboard.gov.zm www.moh.gov.zm	Guided by the Zambia Public Procurement Act 2008
a.	M .O .H www.moh.gov.zm	Guided by the Zambia Public Procurement Act 2008
b.	M .O .H www.moh.gov.zm	Not available to the public
c.	M .O .H www.moh.gov.zm	This data is not compiled in a list and was not available.
20.4.	M .O .H	Data is not publicly available or compiled in this format. Only available data was from 2007 which was 37.3%
a.	www.moh.gov.zm	
b.	M .O .H www.moh.gov.zm	Data is not publicly available or compiled in this format. only available data was from 2007 which was 58.5%
c.	M .O .H www.moh.gov.zm	Data is not publicly available or compiled in this format. only available data was from 2007 which was 0%
20.5. →	M .O .H www.moh.gov.zm	Guided by the Zambia Public Procurement Act 2008
20.6. →	M .O .H www.moh.gov.zm	The winning bidders were made public this year. But source did not think it was standard practice.
20.7. →	M .O .H www.moh.gov.zm	
20.8. →	M .O .H www.moh.gov.zm	Data is not publicly available

Pharmaceutical Sector Scan – Data Sources and Comments

Item Number(s)	Source, Location, & Year	Comments
20.9.	M .O .H	
a.	www.moh.gov.zm	
b.	M .O .H www.moh.gov.zm	

20. Medicines Supply System: Procurement Price of Medicines (HAI Global List) 

Possible source: WHO/HAI Surveys¹⁷

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
Medicine, Strength, Formulation		
21.1. Salbutamol 0.1mg/dose Inhaler		
21.2. Glibenclamide 5 mg Cap/tab		
21.3. Atenolol 50 mg Cap/tab		
21.4. Captopril 25 mg Cap/tab		
21.5. Simvastatin 20 mg Cap/tab		
21.6. Amitriptyline 25 mg Cap/tab		
21.7. Ciprofloxacin 500 mg Cap/tab		
21.8. Co-trimoxazole 8 + 40 mg/ml Susp.		
21.9. Amoxicillin 500 mg Cap/tab		
21.10. Ceftriaxone 1 g/ vial Injection		
21.11. Diazepam 5 mg Cap/tab		
21.12. Diclofenac 50 mg Cap/tab		
21.13. Paracetamol 24 mg/ml Susp.		
21.14. Omeprazole 20 mg Cap/tab		

21. Medicines Supply System: Distribution

Possible sources: MOH, Ministry of Trade, Pharmacists Associations, WHO Level I Survey 2003⁹ and 2007, WHO mapping medicines supply and distribution project (ongoing), MeTA mapping

Pharmaceutical Sector Scan – Data Sources and Comments

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
All Distributors		
22.1. →	Medical Stores Limited	
22.2. →	Pharmacy Regulatory Authority www.pra.gov.zm Country profile on Pharmaceutical Sector in Zambia - SADC	
Central Medical Store		
22.3.	Medical Stores Limited	Interview was conducted at the CMS facility in Lusaka
22.4.	Medical Stores Limited	
22.5. →	Medical Stores Limited	
22.6.	Medical Stores Limited	
22.7.	Medical Stores Limited	No data available
22.8. →	Medical Stores Limited	
Wholesale market characteristics		
22.9. →	Pharmacy Regulatory Authority www.pra.gov.zm	
22.10. →	Pharmacy Regulatory Authority www.pra.gov.zm	
22.11. →	Pharmacy Regulatory Authority www.pra.gov.zm	
22.12.	Pharmacy Regulatory Authority www.pra.gov.zm	
22.13.	Pharmacy Regulatory Authority www.pra.gov.zm	

22. Medicines Access

Possible sources: MOH, Medicines Regulatory Agency, WHO Level II Survey, WHO Medicines Survey (ongoing), INRUD Indicators¹⁸, World Health Survey¹⁹, International Household Survey Network

²⁰

Pharmaceutical Sector Scan – Data Sources and Comments

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
Geographic access		
23.1. →	MOH -Assessment of the Pharmaceutical Sector in Zambia 2006 (contains data from 2007-2009)	
23.2. →	MOH -Assessment of the Pharmaceutical Sector in Zambia 2006 (contains data from 2007-2009)	
Affordability of medicines		
23.3. →	WHO/HAI 2010	Data not available. The data has been collected but not yet publicly available
23.4. →	WHO/HAI 2010	Data not available. The data has been collected but not yet publicly available
23.5. →	WHO/HAI 2010	Data not available. The data has been collected but not yet publicly available
23.6. →	WHO/HAI 2010	Data not available. The data has been collected but not yet publicly available
Availability of medicines		
23.7. →	WHO/HAI 2010	Data not available. The data has been collected but not yet publicly available
23.8. →	WHO/HAI 2010	Data not available. The data has been collected but not yet publicly available
Equity in access		
23.9. →	WHO/HAI 2010	Data not available. The data has been collected but not yet publicly available
23.10. →	WHO/HAI 2010	Data not available. The data has been collected but not yet publicly available
23.11. →	WHO/HAI 2010	Data not available. The data has been collected but not yet publicly available

23. Medicines Use: National Structures

Possible sources: MOH, Professional organizations, NGOs, WHO Level II Survey, WHO Level I Survey 2003⁹ and 2007, INRUD indicators¹⁸

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
24.1. →	M. O. H.	
24.2. →	M. O. H.	This is done in conjunction with Pharmaceutical Society of Zambia (PSZ)
24.3. →	M. O. H.	
24.4. →	M. O. H.	
24.5.	M. O. H.	
INRUD facility indicators		
24.6. →	Country Profile on Pharmaceutical Sector 2006	WHO level II Survey
24.7. →	Country Profile on Pharmaceutical Sector 2006	WHO level II Survey

24. Medicines Use: Prescribing

Possible sources: MOH, Professional organizations, NGOs, WHO Level I Survey 2003⁹ and 2007, WHO Level II Survey, INRUD indicators¹⁸, WHO Level II survey

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
25.1. →	Medical and Allied Professions Act (MAPA) CAP 297 of the Laws of Zambia.	The Medical Council Of Zambia is also a source for guidance on this topic.
25.2. →	Medical and Allied Professions Act (MAPA) CAP 297 of the Laws of Zambia.	The Medical Council Of Zambia is also a source for guidance on this topic.
25.3. →	Medical and Allied Professions Act (MAPA) CAP 297 of the Laws of Zambia.	The Medical Council Of Zambia is also a source for guidance on this topic.
25.4. a.	Pharmacy Regulatory Authority www.pra.gov.zm	
b.	Pharmacy Regulatory Authority www.pra.gov.zm	
c.	Pharmacy Regulatory Authority www.pra.gov.zm	
25.5. a.	Lusaka District Health Management Team- Pharmacy Team	
b.	Lusaka District Health Management Team- Pharmacy Team	
c.	Lusaka District Health Management Team- Pharmacy Team	Private hospitals usually do not have DTC's
INRUD prescribing indicators		
25.6. →		
25.7. →	Country Profile on Pharmaceutical Sector 2006	
25.8. →	Country Profile on Pharmaceutical Sector 2006	
25.9. →	Country Profile on Pharmaceutical Sector 2006	
25.10. →	Country Profile on Pharmaceutical Sector 2006	
25.11.	Country Profile on Pharmaceutical Sector 2006	

Pharmaceutical Sector Scan – Data Sources and Comments

Item Number(s)	Source, Location, & Year	Comments
Disease-specific prescribing indicators		
25.12.	Country Profile on Pharmaceutical Sector 2006	
25.13.	Country Profile on Pharmaceutical Sector 2006	

25. Medicines Use: Dispensing

Possible sources: MOH, Professional organizations, NGOs, WHO Level II Survey, WHO Level I Survey 2003⁹ and 2007, INRUD indicators¹⁸, WHO Level II survey

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
26.1. →	Pharmacy Regulatory Authority www.pra.gov.zm	The Pharmaceutical Act 2004
26.2. →	Pharmacy Regulatory Authority www.pra.gov.zm	
26.3. →	Pharmacy Regulatory Authority www.pra.gov.zm and Pharmaceutical Society of Zambia, MCZ Code of conduct 1995 www.medicalcouncilofzambia.org.m	MCZ Code of conduct 1995
26.4. a.	Pharmacy Regulatory Authority www.pra.gov.zm	No guidelines available
b.	Pharmacy Regulatory Authority www.pra.gov.zm	No guidelines available
26.5. →	Pharmacy Regulatory Authority www.pra.gov.zm Pharmaceutical Act 2004	All prescriptions medicines are only to be dispensed with a prescription
26.6. →	Pharmacy Regulatory Authority www.pra.gov.zm Pharmaceutical Act 2004	All prescriptions medicines are only to be dispensed with a prescription
26.7. →	Pharmacy Regulatory Authority www.pra.gov.zm Pharmaceutical Act 2004	These restricted medicines have certain requirements before they are dispensed, stocked or procured. To be found in possession of these restricted substances without valid authorization from PRA is a chargeable offence.
INRUD dispensing indicators		
26.8.		No data as depends on outpatients, ARV clinic, and number of staff in pharmacy.
26.9. →	Country Profile on Pharmaceutical Sector 2006	
26.10. →	Country Profile on Pharmaceutical Sector 2006	

Pharmaceutical Sector Scan – Data Sources and Comments

Item Number(s)	Source, Location, & Year	Comments
26.11. →	Country Profile on Pharmaceutical Sector 2006	

26. Medicines Use: Pharmaco-vigilance

Possible sources: MOH, Medicines Regulatory Agency, WHO Level I Survey 2003⁹ and 2007, WHO Evaluation of Pharmaceutical Regulations¹⁰, Uppsala WHO Collaborating Center²¹

Document source of each item and year collected:

Item Number(s)	Source, Location, & Year	Comments
27.1.	Pharmacy Regulatory Authority www.pra.gov.zm Pharmaceutical Society of Zambia	Pharmaco-vigilance Committee headed by PRA
27.2.	Pharmacy Regulatory Authority www.pra.gov.zm Pharmaceutical Society of Zambia	Pharmaco-vigilance Committee headed by PRA
27.3.	Pharmacy Regulatory Authority www.pra.gov.zm Pharmaceutical Society of Zambia	Data received from Health facilities compiled number of reports not counted or recorded

Possible National Sources of Key Data

1. Government Procurement Agency
2. Manufacturer Associations
3. Medicines Regulatory Agency
4. Ministry of Finances
5. Ministry of Health
6. Ministry of Labor
7. Ministry of Planning
8. Ministry of Trade
9. Mission Hospitals
10. National Bureau of Statistics
11. National or Social Health Insurance Agency
12. Non-Governmental Organizations
13. Private Health Insurers
14. Professional Organizations: physicians, pharmacists, nurses
15. Public Hospitals and Dispensaries

Possible International Sources of Key Data

¹ WHO Statistical Information System (WHOSIS)

<http://www.who.int/whosis/en/index.html>

Provides recent and comprehensive health data on all of the 193 WHO Member States. The data, selected on the basis of quality and availability, relevance to global health, and comparability across member nations, cover over 50 core health indicators, which are organized into six major areas: mortality and burden of disease, health service coverage, risk factors, health system inputs, differentials in health outcome and coverage, as well as basic socio-demographic statistics. These are published in the World Health Statistics that is released in May of each year.

Data exist for all seven MeTA pilot countries.

² WHO Global InfoBase

<http://www.who.int/infobase/report.aspx>

The WHO Global InfoBase is a data warehouse that collects stores and displays information on chronic diseases and their risk factors for all WHO member states.

Data exist for all MeTA pilot countries.

³ World Bank Development Report

http://siteresources.worldbank.org/INTWDR2009/Resources/4231006-1225840759068/WDR09_22_SWDIweb.pdf

The World Bank development report 2009 provides recent values for most country profile indicators.

⁴ National Macroeconomics and Health Report

<http://www.who.int/macrohealth/en/>

National Macroeconomic and Health Reports provide data on health status, health systems, health care financing, and an analysis of costs of health care and investment plan.

A 2005 Report of the Ghana Macroeconomics and Health Initiative exists.

⁵ WHO National Health Accounts

<http://www.who.int/nha/en/>

National Health Accounts (NHA) provides evidence to monitor trends in health spending for all sectors, public and private, different health care activities, providers, diseases, population groups and regions in a country, intended to help in developing national strategies for effective health financing and in raising additional funds for health. Information can be used to make financial projections of a country's health system requirements and compare their own experiences with the past or with those of other countries.

Data until 2005 (last revision in 2007) exist for all MeTA pilot countries. However some data may be much older. That is why it is important to document the date of data collection for each data point included in the sector scan.

⁶ WHO Global Burden of Disease and Risk Factors database

<http://www.who.int/healthinfo/bod/en/index.html>

Statistical estimates of mortality and burden of disease (DALYs) by cause for the world, regions and WHO Member States. Estimates of Healthy Life Expectancy (HALE) and Life Expectancy for WHO Member States; latest documentation, methods, results and projections for the Global Burden of Disease; manuals, resources and software for carrying out national burden of disease studies.

⁷ Demographic and Health Surveys (DHS)

<http://www.measuredhs.com/aboutsurveys/start.cfm>

DHS supports a range of data collection options tailored to fit specific monitoring and evaluation needs of host countries.

Demographic and Health Surveys (DHS)

Provide data for a wide range of monitoring and impact evaluation indicators in the areas of population, health, and nutrition.

AIDS Indicator Surveys (AIS)

Provide countries with a standardized tool to obtain indicators for the effective monitoring of national HIV/AIDS programs.

Service Provision Assessment (SPA) Surveys

Provides information about the characteristics of health and family planning services available in a country.

Key Indicators Survey (KIS)

Provides monitoring and evaluation data for population and health activities in small areas—regions, districts, catchment areas—that may be targeted by an individual project, although they can be used in nationally representative surveys as well.

Other Quantitative Surveys

Includes biomarker collection, geographic data collection, and benchmarking surveys.

Qualitative Research

Provides informed answers to questions that lie outside the purview of standard quantitative approaches.

Data for many of these surveys exist for MeTA countries. Details can be found at:

<http://www.measuredhs.com/aboutsurveys/search/>.

⁸ World Bank Health and Nutrition Data Base (HNPStats)

<http://web.worldbank.org/WBSITE/EXTERNAL/TOPICS/EXTHEALTHNUTRITIONANDPOPULATION/EXTDATASTATISTICSHNP/EXTHNPSTATS/0,,menuPK:3237172~pagePK:64168427~piPK:64168435~theSitePK:3237118,00.html>

The World Bank's comprehensive database of Health, Nutrition and Population (HNP) statistics makes a variety of national and international data sources available in one location, compiles World Bank data on health, nutrition and population, adopts an analysis-friendly format that enables flexible access and custom-tailored reports, and provides links to a large number of websites of international agencies and country statistical offices.

Data exist for all MeTA pilot countries.

⁹ WHO Level I Pharmaceutical Assessment

http://www.who.int/medicines/areas/technical_cooperation/supply_management/AssessMoni/en/index.html

To monitor the progress and consequently improve the global medicines situation, WHO/TCM has developed a system of indicators that measures key aspects of a country's pharmaceutical situation. A standard methodology allows over time progress monitoring as well as comparisons across facilities, districts and countries. The process of pharmaceutical monitoring and assessment uses a hierarchical approach with three groups of indicators: Level I, Level II and Level III. Standardized key informant questionnaires (Level I) assess the structures and processes related to medicines in a country legislation and regulations; quality control of medicines; essential medicines lists; supply systems; financing; production; rational use; and protection of intellectual property rights. Level II facility and household surveys medicines assess, product quality, and rational use (see MeTA Assessment Component E). Level III tools measure specific components of the pharmaceutical sector, health system, or national medicines policy in more depth. Examples include the WHO/HAI medicines price surveys (see MeTA Assessment Component E).

Level I data from 1999 and 2003 exist for all seven MeTA pilot countries.

All Level I data revised in 2007 are available upon request

¹⁰ WHO Multi-Country Study on Effective Drug Regulation

<http://www.who.int/medicinedocs/en/d/Js2300e/#Js2300e.17>.

The aim of this 10-country study was to assess drug regulation performance in selected countries using a standardized study guide, and to document the results so that other countries may learn from them.

The standardized study guide assesses drug regulation in general and specific drug regulatory functions (licensing, inspection and surveillance, product assessment and registration, adverse drug reaction monitoring, clinical trials, control of drug promotion and advertising, drug quality control laboratory).

Uganda is a MeTA pilot country included in the 2002 report

Data until 2005 (last revision in 2007) exist for all MeTA pilot countries. However some data may be much older. That is why it is important to document the date of data collection for each data point included in the sector scan.

¹¹ WHO Ethical Infrastructure for Good Governance

<http://www.who.int/medicines/areas/policy/goodgovernance/home/en/>

Guided by WHO's Medicines Strategy 2004-2007 and launched in late 2004, the Good Governance for Medicines programme's goal is to raise awareness of abuse in the public pharmaceutical sector and to promote good governance. Participating countries complete a standardized Good Governance Assessment Tool on the level of transparency and vulnerability to corruption in the public pharmaceutical sector. The Assessment Tool evaluates medicines registration, control of medicines promotion, inspections of establishments, selection of essential medicines, procurement, and distribution.

Data exist for the following MeTA pilot countries: Ghana, Jordan, Philippines, Zambia

¹² IMS Pharmaceutical Market Assessment Data

<http://www.imshealth.com/portal/site/imshealth>

IMS agreed to share data on request

Data exist in Peru and the Philippines, and possible other MeTA pilot countries.

¹³ WHO World Medicines Situation (WMS)

<http://www.who.int/medicinedocs/index.fcgi?sid=zNnGhaRZ9ee80ca600000000476162bf&a=d&c=medicinedocs&d=Js6160e>

The statistical Annex to the 2004 WMS contains country-level data on production, trade, sales, expenditures (1995 and 2000), and data from the 1999 world drug survey.

Data exist for all MeTA pilot countries

Data will be updated in 2009

¹⁴ World Trade Organization

http://www.wto.org/english/thewto_e/whatis_e/tif_e/org6_e.htm

¹⁵ International Manufacturer Associations

<http://www.ifpma.org/aboutus>

¹⁶ Pharmaceutical Security Institute

<http://www.psi-inc.org/index.cfm>

¹⁷ WHO/HAI Medicine Price Surveys

<http://www.haiweb.org/medicineprices/>

In May 2003 Health Action International (HAI) and the World Health Organization (Department of Medicine Policy and Standards) published a working draft of a manual to collect and analyse the prices people pay for a selection of important medicines across sectors and regions in a country, as well as medicine availability, treatment affordability and all price components in the supply chain (taxes, mark-ups etc.). The results of over 50 surveys are currently available in the web-based database, along with survey reports and other information.

WHO/HAI surveys were conducted in the following MeTA pilot countries: Ghana (May 2002, October 2004), Jordan (May 2004), Kyrgyzstan (February 2005), Peru (May 2002, September 2005), Philippines (June 2002, February 2005), and Uganda (April 2004).

Reports for the pricing surveys conducted in African countries can be found at:

http://www.afro.who.int/edp/publications/afro_essential_medicine_price_indicator_2007.pdf

In addition to price surveys, WHO/HAI provides information about promotion of medicines at:

<http://www.drugpromo.info>

¹⁸ **INRUD**

The International Network for Rational Use of Drugs (INRUD) was established in 1989 to design, test, and disseminate effective strategies to improve the way drugs are prescribed, dispensed, and used, with a particular emphasis on resource poor countries.

<http://www.inrud.org/>

¹⁹ **WHO World Health Survey (WHS)**

<http://www.who.int/healthinfo/survey/en/>

The WHS was conducted in 70 countries in 2002. In 52 countries, household expenditures for health care including medicines, and individual respondents' need for and access to care were assessed.

Surveys with household expenditures information exist for the following MeTA pilot countries: Ghana, Philippines and Zambia (Zambia data to be verified).

²⁰ **International Household Survey Network (IHSN)**

<http://surveynetwork.org/home/>

The IHSN is a partnership of international organizations seeking to improve the availability, quality and use of survey data in developing countries. This informal network was established as a recommendation of the Marrakech Action Plan for Statistics. The Central Survey Catalogue allows searching for surveys conducted in countries by type of survey and country.

Income and expenditure surveys are available in all MeTA pilot countries except Ghana.

²¹ **Uppsala WHO Collaborating Centre**

<http://www.who-umc.org>