

International Survey Report

Medicine Prices and Affordability

For mental health of older people

2008 edition

**Mental Health Economics Task Force of
International Psychogeriatric Association**

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DECLARATION OF CONFLICT OF INTEREST

None.

This project has been completed without any external financial support. All investigators and advisors volunteered for this project with no financial benefits.

ABBREVIATIONS AND ACRONYMS

CIA	Central Intelligence Agency
CR	Controlled Release
GDP	Gross Domestic Product
IPA	International Psychogeriatric Association
PPP	Purchasing Power Parity
PRC	Prolonged Release Capsule
UK	United Kingdom
UN	United Nations
US	United States
WDI	World Development Indicator
WHO	World Health Organization
XR	Extended Release

PREFACE

As chair of the Mental Health Economics Task Force of International Psychogeriatric Association (IPA), I would like to greatly appreciate all investigators, data collectors, international advisors, and all the friends in IPA who have supported this project to examine international medicine prices for diseases which has great burden and impact on mental health of older people. During this survey, I have thought about a dilemma proposed by Lawrence Kohlberg. It is as follows: “In a country, a woman was near death from a special kind of cancer. There was one drug that the doctors thought might save her. It was a form of radium that a druggist in the same town had recently discovered. The drug was expensive to make, but the druggist was charging ten times what the drug cost him to make. He paid \$200 for the radium and charged \$2000 for a small dose of the drug. The sick woman’s husband, Heinz, went to everyone he knew to borrow the money, but he could only get together about \$1000 which is half of what it cost. He told the druggist that his wife was dying and asked him to sell it cheaper or let him pay later. But the druggist said: “No, I discovered the drug and I’m going to make money from it.” So Heinz got desperate and broke into the man’s store to steal the drug for his wife. Should the husband have done that?” (Kohlberg, 1963, p. 19)

Justice means that we reach a solution that everyone considers fair. A fair solution comes about when everyone impartially puts himself or herself in everyone else’s shoes.

I strongly recommend you to have a chance to think about the Kohlberg’s dilemma and answer to it by yourself after reviewing this report.

Guk-Hee Suh

(IPA Board member, Chair of the Mental Health Economics Task Force)

EXECUTIVE SUMMARY

The Mental Health Economics Task Force of IPA has conducted a web-based international medicine price survey to examine the medicine prices of Alzheimer's drugs, antidepressants, and antipsychotics across 21 countries in all 6 continents. Data on prices for 19 medicines were collected.

The results are summarized.

- Great price differential was observed. Cheapest prices of branded originators are mostly from India and Mexico.
- Medicine prices in Argentina, Brazil, Dominican Republic, Macedonia, Nigeria, Philippines, Serbia, Thailand, and Uganda are greatly higher compared to Mexico and India, and relatively higher compared to developed countries in terms of purchasing power parity.
- People in most developing countries cannot afford to buy Alzheimer's drugs, novel antipsychotics, and antidepressants.
- Similar levels of price were observed in most developed countries.
- Japan has accepted few drugs yet, even though older people of Japan are known to take advantage of the longest life expectancy in the world. Only donepezil is available in Japan, while memantine is not reimbursed in Australia.
- Prices of antidepressants in European Union countries were cheapest level in the world.

It is hoped that equitable pricing – selling the same medicines at different prices in different countries in accordance with people’s purchasing power – will be applied for all these drugs in near future.

PART I: PROTOCOL**1.****INTRODUCTION**

World is progressively ageing. The World population prospects of United Nations (UN) predicted that, between 2000 and 2020, an increase of 66 and 227 million elderly people in developed and developing countries respectively. Developing countries are at a stage of initiating primary health care. The demographic change in developing countries implies a need for planning and developing more effective health care strategies. Large proportions of the world population have limited access to medicines, either because of poor availability or because patients must pay for their prescriptions and are not able to do so.

In developing countries, most medicines are paid out-of-pocket by individual patients rather than being subsidized through health insurance. Little is known about the prices that older people pay for medicines and how these prices are set. In this report, we describe the prices of Alzheimer's drugs, novel antidepressants, and atypical antipsychotic drugs for chronic mental illnesses in representative 21 countries in 6 continents around the world. Growing costs of treatment for mental health problems are apparent. Novel atypical antipsychotics for psychosis, and a variety of antidepressants for depression are marketed at higher prices than the older treatments they could potentially replace. Not surprisingly, there appear some initiatives of regulators or governments to determine whether the newer treatments are cost-effective. It is hoped that the report will stimulate dialogue among policy-makers, civil society, the pharmaceutical industry and health care professionals on finding ways to improve price, availability and affordability of these medicines.

This report contains an analysis of the data collected in recent international medicine price survey of originator medicines across countries. When an originator medicine is not available in a country, information about available

most-sold generic drug should be provided instead. The report is intended to be used by policy makers and authorities responsible for pricing, price regulation, procurement and other regulatory affairs related to these chronic mental illnesses. The data can also be used by civil society groups concerned about access to essential medicines to advocate for pricing policies that make medicines more affordable and available. It is also intended to be a basis for planning further surveys in the countries already surveyed or in extended area. The data provided in this report may also be used to suggest how medicines for treating chronic mental illnesses such as Alzheimer's disease, depression and psychosis could be made more available at more affordable prices, either for the individual or for the government providing care to the older people.

To conduct an international medicine price survey is not an easy task and it requires a great deal of time, effort and commitment. The pharmaceutical industry and others in the business community are very skeptical about these surveys and think of the potential adverse effects they may have on business. Equitable pricing – selling the same medicines at different prices in different countries in accordance with people's purchasing power – is infrequently implemented by pharmaceutical companies. Changes in trade regulations and particularly rules relating to intellectual property, such as patent rights, may also affect the international prices and availability of medicines. It is hoped that this report would initiate change in policies to improve availability and affordability of these medicines.

2.**OBJECTIVES**

The objectives of the project are:

- to prepare a network of international investigators to set a framework for data collection on relevant economic dimensions such as medicine price;
- to collect medicine price data to allow cross-country comparisons to be made;
- to make information and indicators for each country compared;
- to disseminate these information and indicators comparable to policy makers, regulatory authorities, civil social groups, health care professionals, and patients and their families;
- to advocate for better mental health care for older people.

3. METHODS

3.1. Selecting medicines

The Mental Health Economics Task Force of IPA decided to look at the price of each essential drug for mental health of older population.

3.1.1. CRITERIA

The 19 medicines (see Figure 1) have been selected because they meet the following criteria:

- Global burden of disease: they are all used to treat common mental health conditions, acute and chronic, that cause significant morbidity and mortality, including dementia, depression, and psychosis.
- Availability : they are available in standard formulations and are widely used in many countries.
- Patent status : they represent medicines that are both new and on patent, or recently off patent.

3.2. How to collect data

3.2.1. GENERAL INSTRUCTION

At beginning of each web page for specific medicines, we wrote as follows; “Please fill up the table. Indicate whether each drug with different dose or its equivalent generic drug is available in your country or region. If available, indicate price of each drug in your country or region” (Figure 2)

Medicine category	Generic name	Dose	Dosage form
Alzheimer's drug	Donepezil	5 / 10mg	Tablet
Alzheimer's drug	Galantamine	4/ 8/ 12mg	Tablet
Alzheimer's drug	Galantamine PRC	8/ 16/ 24mg	Capsule
Alzheimer's drug	Rivastigmine	1.5/ 3/ 4.5/ 6mg	Tablet
Alzheimer's drug	Memantine	10mg	Tablet
Antidepressant	Bupropion	150mg	Tablet
Antidepressant	Citalopram	10/ 20mg	Tablet
Antidepressant	Fluoxetine	10/ 20mg	Capsule
Antidepressant	Mirtazapine	15/ 30mg	Tablet
Antidepressant	Moclobemide	150mg	Tablet
Antidepressant	Paroxetine	10/ 20mg	Tablet
Antidepressant	Paroxetine CR	12.5/ 25mg	Tablet
Antidepressant	Sertraline	50/ 100mg	Tablet
Antidepressant	Venlafaxine	37.5/ 75mg	Capsule
Antidepressant	Venlafaxine XR	37.5/ 75mg	Capsule
Antipsychotic	Amisulpride	100/ 200/ 400mg	Tablet
Antipsychotic	Aripiprazole	10/ 15mg	Tablet
Antipsychotic	Clozapine	25/ 100mg	Tablet
Antipsychotic	Olanzapine	5/ 10mg	Tablet
Antipsychotic	Quetiapine	25/ 100mg	Tablet
Antipsychotic	Risperidone	0.5/ 1/ 2mg	Tablet
Antipsychotic	Ziprasidone	20/ 40/ 100mg	Tablet

(PRC = Prolonged Release Capsule, CR = controlled release, XR = extended release)

Figure 1. List of medicines to be surveyed

PRICES OF ANTI-DEMENTIA DRUGS -

Please fill up the table. Indicate whether each drug with different dose or its equivalent generic drug is available in your country or region. If available, indicate price of each drug in your country or region.

Drug	original				generic in your country			
	availa- bility	reimbur- sement	cost	unit	availa- bility	reimbur- sement	cost	unit
Donepezil 5mg	<input checked="" type="radio"/> yes <input type="radio"/> no	<input checked="" type="radio"/> yes <input type="radio"/> no	<input type="text" value="4500.0"/>	Won	<input type="radio"/> yes <input checked="" type="radio"/> no	<input type="radio"/> yes <input checked="" type="radio"/> no	<input type="text"/>	Won
Donepezil 10mg	<input checked="" type="radio"/> yes <input type="radio"/> no	<input checked="" type="radio"/> yes <input type="radio"/> no	<input type="text" value="5200.0"/>	Won	<input type="radio"/> yes <input checked="" type="radio"/> no	<input type="radio"/> yes <input checked="" type="radio"/> no	<input type="text"/>	Won

Figure 2. Scanned web page for collecting data of prices of donepezil

3.2.2. CHARACTERISTICS OF MEDICINE PRICES

COMPONENTS AND

The final price of a medicine paid by a government, a health insurer or the patient reflects the manufacturer's selling price (MSP), plus all intervening price additions. The add-ons to the producer's price are known as "price components" and represent the cost of importation, distribution and dispensing. They consist of local costs that may differ substantially from one country to another, within a sector and even between medicines. They typically include:

- Pharmaceutical import duties
- Taxes
- Mark-ups by importers, wholesalers and retail distributors
- Distribution costs
- Dispensing costs

Accurate information on the procurement price or manufacturer's selling price (MSP) should be available for direct comparison of international price differential. However, retail or wholesale prices can be also good alternatives for gross comparison in view of both policy makers and health authorities and civil society group.

Actually most of prices that we collected are prices at when given to patients (100% of a price irrespective of reimbursement), while those of Korea, Australia, and the UK are procurement prices. At first, all prices were converted to US dollars using the average currency exchange rate of 2007. Second, using purchasing power parity conversion rate of 2007 provided by the International Monetary Fund, medicine prices of each country are converted to PPP converted price (US dollar) to make the affordability index.

3.2.3.**WEB-BASED DATA****COLLECTION AND ENTRY**

The success of the medicine price survey is dependent on the collection and recording of accurate and reliable data by the investigators. Web-based data entry has been prepared at central level using the website of the Mental Health Economics Task Force of International Psychogeriatric Association (IPA) (<http://economics.ipa-online.org>). All data collection was supposed to be conducted by the volunteered medical doctors who had a basic knowledge of pharmaceuticals, most of whom have used them in their clinical practice. They were familiar with pharmaceuticals and the different dosage forms and pack sizes which should be essential to extract the required information from health professionals and from written material, and to record it accurately during observations. For the purpose of collecting data of medicine prices, specific web pages were designed to enter the data that serve as the basis for reports. Predetermined ID and password were issued to each investigator to allow access of the survey contents of the web site. Detailed explanation for the completion of web survey was provided in each web page. When web access was difficult in some countries, a model Medicine Price Data Collection Form, which was made after preliminary tests, was provided to the investigator. Investigators should complete both originator and generics columns for each medicine. If generics are not available, investigators left the cost column vacant. A medicine may be available in different dosage forms, including tablets and capsules. Tablet and capsule are considered equivalent. Strength of a medicine on which information should be collected for a medicine was predetermined. The pack size should be identical to the recommended size. If this is not available, investigator could include other closest pack size found. Finally, investigators entered the price of the pack actually found in the national currency. If unit prices differ due to different pack sizes, middle value of minimum and maximum prices should be chosen as a representative unit price. If part of the price is paid by insurance or other means, investigators should record the full 100% price of the pharmaceutical.

For instance, if the medicine is reimbursed 60% and the patients pays 40%, investigators should record the full price (100%).

3.3.

How to compare

3.3.1.

AFFORDABILITY INDEX

Purchasing power is the amount of value of a good/service compared to the amount paid. Concept of purchasing power parity (PPP) is based on the law of one price: the idea that, in an efficient market, identical goods must have only one price. In reality, identical goods do not get only one price. The exchange rate between two currencies specifies how much one currency is worth in terms of the other. For example an exchange rate of 123 Japanese yen (JPY, ¥) to the U.S. dollar (USD, \$) means that JPY 123 is worth the same as USD 1. This international market based exchange rate will change whenever the values of either of the two component currencies change. On the other hand, if a Big Mac hamburger cost 4 US dollars in the U.S. and 3 sterling pounds in Britain, then PPP exchange rate would be 3 sterling pounds for 4 US dollars. A purchasing power parity exchange rate equalizes the purchasing power of different currencies in their home countries for a given basket of goods. It is often used to compare the standards of living between countries, rather than a per-capita Gross Domestic Products (GDP) comparison at international market exchange rates. For comparison of values for money in their home countries, the International Monetary Fund (IMF) publishes the latest “Purchasing power parity conversion rate.”¹ It is the number of units of a country’s currency required to buy the same amounts of goods and services in the domestic market as U.S. dollar would buy in the United States. Purchasing power parity conversion factor is much different from the currency exchange rate. The IMF provides the 2007 estimate of the

¹ *<http://www.imf.org/external/pubs/ft/weo/2007/02/weodata/index.aspx> accessed at July 1, 2008.

per capita GDP (PPP) of each country, which will be used to find the daily income in this report. Affordability index is operationally defined as the total number of pills purchasable with one’s daily income.

3.3.2.

HOW TO READ TABLES

Each table has the same format as below.

Country	A.	B	C	D	E	F.	G.
	=	=	= A/B	=	=A/D	= GDP per capita (PPP) /365	=F/E
	Drug ‘A’ Price in the country, 2007	Exchange rate to US\$, 2007 average	Converted Price, US\$	IMF PPP conversion rate, 2007	PPP Converted Price, US\$	Daily income	number of pills purchasable with one’s daily income = Affordability index
Utopia	5	0.5	10	2	2.5	200	80

Figure 3. An example to show how to calculate the affordability index of Drug ‘A’

Figure 3 schematically demonstrates the way to calculate the affordability index of drug ‘A’.

- Column A shows that price of drug ‘A’ in the Utopia is 5 Utopia dollars.
- Column B shows that 0.5 Utopia dollar is worth the same as US\$ 1.
- Column C shows that the converted price of drug ‘A’ using international currency exchange rate is 10 US\$ (C=A/B).
- Column D tells us that 2 Utopia dollars can buy the same amounts of goods and services in the domestic market as 1 U.S. dollar would buy in the United States.
- Column E shows a value of PPP converted price (US\$) considering 2007 PPP conversion rate³ provided by the IMF (E= A/D)

- Column F shows daily income, which is derived from PPP GDP per capita provided by the IMF. ($= \text{GDP per capita (PPP)} / 365$)
- Column G finally tells us the Affordability index, the total number of pills purchasable with one's daily income. It is derived when daily income is divided by the PPP converted price (US\$). A value of 80 as an affordability index means that, with daily income, people in Utopia can purchase 80 tablets of Drug 'A'.

4.**RESULTS**

A table shows raw prices of a drug, its currency converted prices (US\$), its PPP converted prices (US\$), and its affordability indices in 21 countries.

4.1.**Alzheimer's drugs****4.1.1.****DONEPEZIL (TABLE 1)**

- Donepezil is available in all 21 countries
- For 5 mg tablet of donepezil, range of PPP converted price is from US\$ 0.43 (Mexico) to US\$ 17.59 (Philippines), and range of Affordability index is from 0.2 tablets per daily income (Uganda, Nigeria) and 75.6 tablets per daily income (Mexico).
- For 10 mg tablet of donepezil, range of PPP converted price is from US\$ 0.40 (Mexico) to US\$ 18.51 (Philippines), and range of Affordability index is from 0.8 tablets per daily income (Philippines) and 81.6 tablets per daily income (Mexico).
- PPP GDP per capita of Mexico is US\$ 11,800, while their PPP converted prices of both 5mg and 10mg tablets are the lowest among all 21 countries.

4.1.2.**GALANTAMINE PRC (TABLE 3)****GALANTAMINE (TABLE 2),**

Galantamine PRC is a prolong-release formulation, which make galantamine administered once a day.

- Galantamine is also available in most countries, but not available in Japan and low-income countries.
- For 4 mg tablet of galantamine, range of PPP converted price is from US\$ 0.28 (Mexico) to US\$ 9.57 (Dominican republic), and range of

Affordability index is from 1.7 tablets per daily income (Philippines) and 117.4 tablets per daily income (Mexico).

- For 8 mg tablet of galantamine, range of PPP converted price is from US\$ 0.29 (Mexico) to US\$ 16.60 (Philippines), and range of Affordability index is from 0.9 tablets per daily income (Philippines) and 111.2 tablets per daily income (Mexico).
- PPP converted prices of both strength (4mg and 8mg) in Mexico is the lowest among all 21 countries.
- Prices of three different doses of galantamine appear to be almost same without price differential, but 8 mg galantamine costs double compared to 4 mg galantamine in Philippines.
- Galantamine PRC is not available yet in France, Portugal, Japan, and the UK, as well as low-income countries. Pricing of three different doses of galantamine PRC vary across countries; same price (USA), same price at higher strengths (Switzerland, Taiwan), same price at lower strengths (New Zealand), steadily increasing price (Brazil, Mexico, Argentina, Korea, Australia).

4.1.3.

RIVASTIGMINE (TABLE 4)

- Rivastigmine is also available in most countries, but not in Nigeria, Uganda, Thailand, and Japan.
- Prices of four different doses of rivastigmine PRC do not vary across countries.
- For 1.5 mg capsule of rivastigmine, range of PPP converted price is from US\$ 0.28 (Mexico) to US\$ 11.23 (Dominican republic), and range of Affordability index is from 1.8 tablets per daily income (India) and 115.2 tablets per daily income (Mexico).
- For 4.5 mg capsule of rivastigmine, range of PPP converted price is from US\$ 1.77 (New Zealand) to US\$ 6.38 (India), and range of Affordability index is from 1.8 tablets per daily income (India) and 62.1 tablets per daily income (Switzerland).

4.1.4.**MEMANTINE (TABLE 5)**

- Memantine is also available in most countries, but not in Nigeria, Uganda, India, Thailand, Macedonia, and Japan. Memantine is available in Australia, but not reimbursed.
- For 10 mg tablet of memantine, range of PPP converted price is from US\$ 0.21 (Mexico) to US\$ 10.72 (Philippines), and range of Affordability index is from 1.5 tablets per daily income (Philippines) and 155.3 tablets per daily income (Mexico).

4.2. Antipsychotic drugs

4.2.1. AMISULPRIDE (TABLE 6)

- Amisulpride is available in Philippines, Brazil, Mexico, Portugal, Korea, Taiwan, France, the UK, Australia, and Switzerland, while its generic equivalents are available in Argentina and India. Amisulpride is not available in the USA.
- For 200mg tablet of amisulpride, range of PPP converted price is from US\$ 0.44 (Mexico) to US\$ 16.10 (Philippines), and range of Affordability index is from 1 tablets per daily income (Philippines) and 97.3 tablets per daily income (France). Price in Philippines is unusually high.

4.2.2. ARIPIPRAZOLE (TABLE 7)

- Aripiprazole is available in Philippines, Brazil, Thailand, Mexico, Portugal, Korea, Taiwan, France, the UK, Japan, Australia, Switzerland, and the USA, while its generic equivalents are available in Argentina and India. In 2007, 3 mg and 6 mg tablets of aripiprazole (instead of 10 mg and 15 mg) were available in Japan.
- For 10mg tablet of aripiprazole, range of PPP converted price is from US\$ 0.82 (Mexico) to US\$ 19.02 (Philippines), and range of Affordability index is from 0.8 tablets per daily income (Philippines) and 39.9 tablets per daily income (Mexico).

4.2.3. CLOZAPINE (TABLE 8)

- Clozapine is available in most countries, and its generic equivalents are available in Argentina and India, whereas not available in Thailand, Uganda, and Japan.

- For 100mg tablet of clozapine, range of PPP converted price is from US\$ 0.74 (Mexico) to US\$ 23.75 (Nigeria), and range of Affordability index is from 0.3 tablets per daily income (Nigeria) and 115.8 tablets per daily income (Switzerland).

4.2.4.

OLANZAPINE (TABLE 9)

- Olanzapine is available in all 21 countries, and its generic equivalents are available in India.
- For 10mg tablet of olanzapine, range of PPP converted price is from US\$ 1.08 (Mexico) to US\$ 40.24 (Dominican Republic), and range of Affordability index is from 0.3 tablets per daily income (Nigeria) and 34.1 tablets per daily income (UK).

4.2.5.

RISPERIDONE (TABLE 10)

- Risperidone is available in all 21 countries.
- For 1mg tablet of risperidone, range of PPP converted price is from US\$ 0.15 (Mexico) to US\$ 7.00 (Philippines), and range of Affordability index is from 0.7 tablets per daily income (Uganda) and 241.9 tablets per daily income (Japan).

4.2.6.

QUETIAPINE (TABLE 11)

- Quetiapine is available in most countries except Uganda, Nigeria, Thailand, Macedonia, and France, while its generic equivalents are available in India.
- For 100mg tablet of quetiapine, range of PPP converted price is from US\$ 0.21 (Mexico) to US\$ 8.43 (Philippines), and range of

Affordability index is from 1.9 tablets per daily income (Philippines) and 151.6 tablets per daily income (Mexico).

4.2.7.**ZIPRASIDONE (TABLE 12)**

Table 12 (ziprasidone) shows PPP converted price (US\$) and affordability index in each country.

- Ziprasidone is available in some countries except Uganda, Nigeria, Philippines, Serbia, Thailand, Macedonia, France, the UK, Japan, and Switzerland, while its generic equivalents are available in India.
- For 40mg tablet of ziprasidone, range of PPP converted price is from US\$ 0.51 (Mexico) to US\$ 6.77 (Dominican Republic), while range of Affordability index is from 4.1 tablets per daily income (Dominican Republic) and 63.5 tablets per daily income (Mexico).

4.3.**Antidepressants****4.3.1.****MOCLOBEMIDE (TABLE 13)**

- Moclobemide is available in some countries except Uganda, Nigeria, Serbia, Thailand, Macedonia, Dominican Republic, Argentina, New Zealand, Japan, and the USA.
- For 150mg tablet of moclobemide, range of PPP converted price is from US\$ 0.11 US\$ to US\$ 3.49 (Philippines), and range of Affordability index is from 4.5 tablets per daily income (Philippines) and 383.5 tablets per daily income (Australia). Prices in Philippines and Brazil are unusually high.

4.3.2.**CITALOPRAM (TABLE 14)**

- Citalopram is available in some countries except Nigeria, India, Philippines, Thailand, and Japan, while its generic equivalents are available in Dominican Republic and Macedonia.
- For 20 mg tablet of citalopram, range of PPP converted price is from US\$ 0.39 (Mexico) to US\$ 4.01 (Uganda), and range of Affordability index is from 1.2 tablets per daily income (Uganda) and 205.6 tablets per daily income (Australia).

4.3.3.**FLUOXETINE (TABLE 15)**

- Fluoxetine is available in almost all countries except Thailand and Japan.
- For 20mg tablet of fluoxetine, range of PPP converted price is from US\$ 0.30 (India) to US\$ 9.53 (Philippines), and range of Affordability index is from 0.7 tablets per daily income (Uganda) and 132.5 tablets per daily income (UK).

4.3.4. PAROXETINE CR (TABLE 17)**PAROXETINE (TABLE 16) &**

- Paroxetine is available in most countries except Philippine and Taiwan.
- Paroxetine CR is available in a few countries like India (only generics), Dominican Republic, Brazil, Mexico, Korea, Taiwan, and the USA.
- For 20 mg tablet of paroxetine, range of PPP converted price is from US\$ 0.33 (Mexico) to US\$ 8.03 (Uganda), and range of Affordability index is from 0.6 tablets per daily income (Uganda) and 141.5 tablets per daily income (UK).
- For 12.5 mg tablet of paroxetine CR, range of PPP converted price is from US\$ 0.84 (India) to US\$ 4.05 (Dominica Republic), and range of Affordability index is from 6.9 tablets per daily income (Dominica Republic) and 66.8 tablets per daily income (Taiwan).

4.3.5.**SERTRALINE (TABLE 18)**

- Sertraline is available in almost all countries, while its generic equivalents are available in Mexico and Macedonia.
- For 50mg tablet of sertraline, range of PPP converted price is from US\$ 0.36 (Mexico) to US\$ 31.92 (Philippines), and range of Affordability index is from 0.5 tablets per daily income (Philippines) and 149.3 tablets per daily income (Australia).

4.3.6.**BUPROPION (TABLE 19)**

- Bupropion is available in most countries except Uganda, Nigeria, Philippines, Thailand, Macedonia, Argentina, Portugal, and Japan, while its generic equivalents are available in India and Mexico.
- For 150mg tablet of bupropion, range of PPP converted price is from US\$ 0.24 (Mexico) to US\$ 5.44 (Dominica Republic), and range of Affordability index is from 5.2 tablets per daily income (Dominica Republic) and 136.9 tablets per daily income (Mexico).

4.3.7.

MIRTAZAPINE (TABLE 20)

- Mirtazapine is available in most countries except Nigeria, Thailand, Brazil, New Zealand, and Japan. Its generic equivalents are available in India, Macedonia, Mexico, Portugal, and France
- For 30mg tablet of mirtazapine, range of PPP converted price is from US\$ 0.24 (Mexico) to US\$ 9.47 (Philippines), and range of Affordability index is from 1.7 tablets per daily income (Philippines) and 165.5 tablets per daily income (France).

4.3.8.

VENLAFAXINE XR (TABLE 22)

VENLAFAXINE (TABLE 21) &

- Venlafaxine is available in most countries except Argentina, Portugal, New Zealand, and Japan, and generic equivalents of venlafaxine are available in India, Macedonia, and Mexico.
- Venlafaxine XR is available in most countries except Uganda, Nigeria, Phillipine, Serbia, Thailand, Macedonia, France, the UK and Japan, and generic equivalents of venlafaxine XR are available in India.
- For 75mg capsule of venlafaxine, range of PPP converted price is from US\$ 0.40 (India) to US\$ 20.07 (Uganda), and range of Affordability index is from 0.2 tablets per daily income (Uganda)

and 80.9 tablets per daily income (UK), when we do not consider data from Mexico where 75 mg venlafaxine was not available.

- For 75mg capsule of venlafaxine XR, range of PPP converted price is from US\$ 0.36 (Mexico, India) to US\$ 11.14 (Dominican Republic), and range of Affordability index is from 2.5 tablets per daily income (Dominica Republic) and 90.9 tablets per daily income (Australia).

Table 1. Alzheimer's drug, donepezil

Country	Price in the country, 2007		exchange rate to US\$, 2007 average	Converted Price, US\$		IMF PPP conversion rate, 2007	PPP Converted Price, US\$		Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income	
	5 mg	10 mg		5 mg	10 mg		5 mg	10 mg		5 mg	10 mg
Uganda	3000.00		1741.235	1.72		373.683	8.03		4.734	0.6	
Nigeria	1200.00		128.612	9.33		81.225	14.77		3.509	0.2	
India	10.80	15.80	41.357	0.26	0.38	9.583	1.13	1.65	11.460	10.2	7.0
Philippines	228.00	240.00	46.214	4.93	5.19	12.963	17.59	18.51	15.722	0.9	0.8
Serbia	219.42	245.24	59.712	3.67	4.11	44.245	4.96	5.54	19.905	4.0	3.6
Thailand	150.00	155.00	32.530	4.61	4.76	12.615	11.89	12.29	26.615	2.2	2.2
Macedonia	92.99	128.47	44.450	2.00	2.76	19.674	4.73	6.53	22.606	4.8	3.5
Dominican republic	151.67	195.00	33.739	4.50	5.78	13.378	11.34	14.58	28.056	2.5	1.9
Brazil	13.99	15.54	1.952	7.17	7.96	1.272	11.00	12.22	29.142	2.6	2.4
Mexico	3.37	3.12	10.937	0.31	0.29	7.825	0.43	0.40	32.547	75.6	81.6
Argentina	7.95	9.04	3.122	2.55	2.90	1.118	7.11	8.09	48.107	6.8	5.9
Portugal	2.98	3.44	0.731	4.07	4.71	0.641	4.65	5.37	65.388	14.1	12.2
Korea	3853.00	4258.00	935.270	4.12	4.55	706.298	5.46	6.03	70.794	13.0	11.7
New Zealand	5.90	6.05	1.362	4.33	4.44	1.524	3.87	3.97	73.957	19.1	18.6
Taiwan	114.00	117.00	32.883	3.47	3.56	16.519	6.90	7.08	89.013	12.9	12.6
France	3.34	3.34	0.731	4.57	4.57	0.913	3.66	3.66	90.624	24.8	24.8
UK	2.27	3.18	0.500	4.54	6.36	0.609	3.73	5.22	102.269	27.4	19.6
Japan	452.80		117.815	3.84		118.354	3.83		93.216	24.4	
Australia	5.50	5.50	1.195	4.60	4.60	1.482	3.71	3.71	95.736	25.8	25.8
Switzerland	6.02	6.02	1.200	5.01	5.01	1.697	3.55	3.55	111.206	31.3	31.3
USA	6.64	6.64	1.000	6.64	6.64	1.019	6.52	6.52	122.643	18.8	18.8

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 2. Alzheimer's drug, galantamine

Country	Price in the country, 2007			exchange rate to US\$, 2007 average	Converted Price, US\$			IMF PPP conversion rate, 2007	PPP Converted Price, US\$			Daily income (= PPP GDP/365)	Affordability index = number of pills purchasable with one's daily income		
	4 mg	8 mg	12 mg		4 mg	8 mg	12 mg		4 mg	8 mg	12 mg		4 mg	8 mg	12 mg
Uganda				1741.235				373.683				4.734			
Nigeria				128.612				81.225				3.509			
India				41.357				9.583				11.460			
Philippines	118.75	215.25		46.214	2.57	4.66		12.963	9.16	16.60		15.722	1.7	0.9	
Serbia				59.712				44.245				19.905			
Thailand				32.530				12.615				26.615			
Macedonia	-	-	-	44.450	-	-	-	19.674	-	-	-	22.606			
Dominican republic	128.00	128.00		33.739	3.79	3.79		13.378	9.57	9.57		28.056	2.9	2.9	
Brazil	6.03	6.94	7.47	1.952	3.09	3.56	3.83	1.272	4.74	5.46	5.87	29.142	6.1	5.3	5.0
Mexico	2.17	2.29		10.937	0.20	0.21		7.825	0.28	0.29		32.547	117.4	111.2	
Argentina	4.48	6.23	7.34	3.122	1.44	2.00	2.35	1.118	4.01	5.57	6.57	48.107	12.0	8.6	7.3
Portugal	1.12	1.58		0.731	1.53	2.16		0.641	1.75	2.46		65.388	37.4	26.5	
Korea				935.270				706.298				70.794			
New Zealand	2.73	2.73	3.02	1.362	2.01	2.01	2.22	1.524	1.79	1.79	1.98	73.957	41.3	41.3	37.3
Taiwan	45.00	55.00	55.00	32.883	1.37	1.67	1.67	16.519	2.72	3.33	3.33	89.013	32.7	26.7	26.7
France	1.16	1.50	1.78	0.731	1.59	2.05	2.44	0.913	1.27	1.64	1.95	90.624	71.3	55.2	46.5
UK		1.22	1.5	0.500		2.44	3.00	0.609		2.00	2.46	102.269		51.1	41.5
Japan	-	-	-	117.815	-	-	-	118.354	-	-	-	93.216			
Australia	2.30	2.80	3.32	1.195	1.92	2.34	2.78	1.482	1.55	1.89	2.24	95.736	61.7	50.7	42.7
Switzerland				1.200				1.697				111.206			
USA	3.40	3.40	3.40	1.000	3.40	3.40	3.40	1.019	3.34	3.34	3.34	122.643	36.8	36.8	36.8

Table 3. Alzheimer's drug, galantamine PRC

Country	Price in the country, 2007			exchange rate to US\$, 2007 average	Converted Price, US\$			IMF PPP conversion rate, 2007	PPP Converted Price, US\$			Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income		
	8 mg	16 mg	24 mg		8 mg	16 mg	24 mg		8 mg	16 mg	24 mg		8 mg	16 mg	24 mg
Uganda				1741.235				373.683				4.734			
Nigeria				128.612				81.225				3.509			
India				41.357				9.583				11.460			
Philippines				46.214				12.963				15.722			
Serbia				59.712				44.245				19.905			
Thailand				32.530				12.615				26.615			
Macedonia	-	-	-	44.450	-	-	-	19.674	-	-	-	22.606			
Dominican republic				33.739				13.378				28.056			
Brazil	12.07	13.89		1.952	6.18	7.12		1.272	9.49	10.92		29.142	3.1	2.7	
Mexico	3.90	4.89		10.937	0.36	0.45		7.825	0.50	0.62		32.547	65.3	52.1	
Argentina	8.43	12.46		3.122	2.70	3.99		1.118	7.54	11.14		48.107	6.4	4.3	
Portugal				0.731				0.641	0.00	0.00		65.388			
Korea	2606.00	3958.00	5445.00	935.270	2.79	4.23	5.82	706.298	3.69	5.60	7.71	70.794	19.2	12.6	9.2
New Zealand	5.45	5.45	6.04	1.362	4.00	4.00	4.44	1.524	3.58	3.58	3.96	73.957	20.7	20.7	18.7
Taiwan	90.00	110.00	110.00	32.883	2.74	3.35	3.35	16.519	5.45	6.66	6.66	89.013	16.3	13.4	13.4
France				0.731				0.913				90.624			
UK	-	-	-	0.500	-	-	-	0.609	-	-	-	102.269			
Japan	-	-	-	117.815	-	-	-	118.354	-	-	-	93.216			
Australia	4.60	5.60	7.75	1.195	3.85	4.68	6.48	1.482	3.10	3.78	5.23	95.736	30.8	25.3	18.3
Switzerland	6.85	5.97	5.97	1.200	5.70	4.97	4.97	1.697	4.04	3.52	3.52	111.206	27.5	31.6	31.6
USA	6.81	6.81	6.81	1.000	6.81	6.81	6.81	1.019	6.68	6.68	6.68	122.643	18.4	18.4	18.4

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

PRC = Prolonged Release Capsule

Table 4. Alzheimer's drug, rivastigmine

Country	Price in the country, 2007				exchange rate to US\$, 2007 average	Converted Price, US\$				IMF PPP conversion rate, 2007	PPP Converted Price, US\$				Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income			
	1.5 mg	3mg	4.5 mg	6 mg		1.5mg	3 mg	4.5 mg	6 mg		1.5 mg	3 mg	4.5 mg	6 mg		1.5 mg	3 mg	4.5 mg	6 mg
Uganda					1741.235					373.683					4.734				
Nigeria					128.612					81.225					3.509				
India	61.17	61.17	61.17	61.17	41.357	1.48	1.48	1.48	1.48	9.583	6.38	6.38	6.38	6.38	11.460	1.8	1.8	1.8	1.8
Philippines	108.50	108.50			46.214	2.35	2.35			12.963	8.37	8.37			15.722	1.9	1.9		
Serbia	94.96	95.60	95.60	96.43	59.712	1.59	1.60	1.60	1.61	44.245	2.15	2.16	2.16	2.18	19.905	9.3	9.2	9.2	9.1
Thailand					32.530					12.615					26.615				
Macedonia	78.91	86.87	86.87	86.87	44.450	1.70	1.87	1.87	1.87	19.674	4.01	4.42	4.42	4.42	22.606	5.6	5.1	5.1	5.1
Dominican republic	150.28	150.28			33.739	4.45	4.45			13.378	11.23	11.23			28.056	2.5	2.5		
Brazil	5.52	6.32	7.19	7.34	1.952	2.83	3.24	3.68	3.76	1.272	4.34	4.97	5.65	5.77	29.142	6.7	5.9	5.2	5.1
Mexico	2.21	1.81		2.21	10.937	0.20	0.17		0.20	7.825	0.28	0.23		0.28	32.547	115.2	140.7		115.2
Argentina	4.87	4.87	4.87	4.87	3.122	1.56	1.56	1.56	1.56	1.118	4.36	4.36	4.36	4.36	48.107	11.0	11.0	11.0	11.0
Portugal	1.63	1.56	1.59	1.62	0.731	2.23	2.13	2.18	2.22	0.641	2.54	2.43	2.48	2.53	65.388	25.7	26.9	26.4	25.9
Korea	1890.0	1920.0	1922.0	1922.0	935.270	2.02	2.05	2.06	2.06	706.298	2.68	2.72	2.72	2.72	70.794	26.5	26.0	26.0	26.0
New Zealand	2.70	2.70	2.70	2.70	1.362	1.98	1.98	1.98	1.98	1.524	1.77	1.77	1.77	1.77	73.957	41.7	41.7	41.7	41.7
Taiwan	51.00	51.00	51.00	51.00	32.883	1.55	1.55	1.55	1.55	16.519	3.09	3.09	3.09	3.09	89.013	28.8	28.8	28.8	28.8
France	1.69	1.69	1.69	1.69	0.731	2.31	2.31	2.31	2.31	0.913	1.85	1.85	1.85	1.85	90.624	49.0	49.0	49.0	49.0
UK	1.40	1.40	1.40	1.40	0.500	2.80	2.80	2.80	2.80	0.609	2.30	2.30	2.30	2.30	102.269	44.5	44.5	44.5	44.5
Japan	-	-	-	-	117.815	-	-	-	-	118.354	-	-	-	-	93.216	-	-	-	-
Australia	2.75	2.75	2.75	2.75	1.195	2.30	2.30	2.30	2.30	1.482	1.86	1.86	1.86	1.86	95.736	51.6	51.6	51.6	51.6
Switzerland	3.04	3.04	3.04	3.04	1.200	2.53	2.53	2.53	2.53	1.697	1.79	1.79	1.79	1.79	111.206	62.1	62.1	62.1	62.1
USA	3.52	3.52	3.52	3.52	1.000	3.52	3.52	3.52	3.52	1.019	3.45	3.45	3.45	3.45	122.643	35.5	35.5	35.5	35.5

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 5. Alzheimer's drug, memantine 10 mg

Country	Price in the country, 2007	exchange rate to US\$, 2007 average	Converted Price, US\$	IMF PPP conversion rate, 2007	PPP Converted Price, US\$	Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income
Uganda		1741.235		373.683		4.734	
Nigeria		128.612		81.225		3.509	
India		41.357		9.583		11.460	
Philippines	139.00	46.214	3.01	12.963	10.72	15.722	1.5
Serbia	121.08	59.712	2.03	44.245	2.74	19.905	7.3
Thailand		32.530		12.615		26.615	
Macedonia	-	44.450	-	19.674	-	22.606	-
Dominican republic	37.90	33.739	1.12	13.378	2.83	28.056	9.9
Brazil	6.88	1.952	3.53	1.272	5.41	29.142	5.4
Mexico	1.64	10.937	0.145	7.825	0.21	32.547	155.3
Argentina	3.17	3.122	1.02	1.118	2.84	48.107	17.0
Portugal	1.98	0.731	2.71	0.641	3.09	65.388	21.2
Korea	1578.00	935.270	1.69	706.298	2.23	70.794	31.7
New Zealand	2.62	1.362	1.92	1.524	1.72	73.957	43.0
Taiwan	30.00	32.883	0.91	16.519	1.82	89.013	49.0
France	1.75	0.731	2.39	0.913	1.92	90.624	47.3
UK	1.23	0.500	2.46	0.609	2.02	102.269	50.6
Japan	-	117.815	-	118.354	-	93.216	
Australia		1.195		1.482		95.736	
Switzerland	2.99	1.200	2.50	1.697	1.76	111.206	63.1
USA	2.87	1.000	2.87	1.019	2.82	122.643	43.5

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 6. antipsychotic drug, amisulpride

Country	Price in the country, 2007			exchange rate to US\$, 2007 average	Converted Price, US\$			IMF PPP conversion rate, 2007	PPP Converted Price, US\$			Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income		
	100 mg	200 mg	400 mg		100 mg	200 mg	400 mg		100 mg	200 mg	400 mg		100 mg	200 mg	400 mg
Uganda				1741.235				373.683				4.734			
Nigeria	-	-	-	128.612	-	-	-	81.225	-	-	-	3.509			
India	*8.18	*15.13		41.357	*0.20	*0.37		9.583	*0.85	*1.58		11.460	13.4	7.3	
Philippines		208.75	325.00	46.214		4.52	7.03	12.963		16.10	25.07	15.722		1.0	0.6
Serbia				59.712				44.245				19.905			
Thailand				32.530				12.615				26.615			
Macedonia	-	-	-	44.450	-	-	-	19.674	-	-	-	22.606			
Dominican republic				33.739				13.378				28.056			
Brazil		5.19		1.952		2.66		1.272		4.08		29.142		7.1	
Mexico		3.46	6.92	10.937		0.32	0.63	7.825		0.44	0.88	32.547		73.6	36.8
Argentina	*2.81	*2.03	*3.50	3.122	*0.90	*0.65	*1.12	1.118	*2.51	*1.82	*3.13	48.107	19.1	26.5	15.4
Portugal		1.30		0.731		1.78		0.641		2.03		65.388		32.2	
Korea	928.00	1543.00	2319.00	935.270	0.99	1.65	2.48	706.298	1.31	2.18	3.28	70.794	53.9	32.4	21.6
New Zealand				1.362				1.524				73.957			
Taiwan		44.00		32.883		1.34		16.519		2.66		89.013		33.4	
France	0.75	0.85	2.45	0.731	1.03	1.16	3.35	0.913	0.82	0.93	2.68	90.624	110.3	97.3	33.8
UK	0.61	1.02	3.64	0.500	1.22	2.04	7.28	0.609	1.00	1.67	5.98	102.269	102.1	61.1	17.1
Japan	-	-	-	117.815	-	-	-	118.354	-	-	-	93.216			
Australia		2.04	4.03	1.195		1.71	3.37	1.482		1.38	2.72	95.736		69.5	35.2
Switzerland	1.92	3.14	5.47	1.200	1.60	2.62	4.56	1.697	1.13	1.85	3.22	111.206	98.3	60.1	34.5
USA	-	-	-	1.000	-	-	-	1.019	-	-	-	122.643			

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 7. antipsychotic drug, aripiprazole

Country	Price in the country, 2007		exchange rate to US\$, 2007 average	Converted Price, US\$		IMF PPP conversion rate, 2007	PPP Converted Price, US\$		Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income	
	10 mg	15 mg		10 mg	15 mg		10 mg	15 mg		10 mg	15 mg
Uganda			1741.235			373.683			4.734		
Nigeria	-	-	128.612	-	-	81.225	-	-	3.509		
India	*5.88	*8.22	41.357	*0.14	*0.20	9.583	*0.61	*0.86	11.460	18.7	13.4
Philippines	246.50	274.00	46.214	5.33	5.93	12.963	19.02	21.14	15.722	0.8	0.7
Serbia			59.712			44.245			19.905		
Thailand	140.00		32.530	4.30		12.615	11.10		26.615	2.4	
Macedonia	-	-	44.450	-	-	19.674	-	-	22.606		
Dominican republic			33.739			13.378			28.056		
Brazil	14.88	22.32	1.952	7.62	11.44	1.272	11.70	17.55	29.142	2.5	1.7
Mexico	6.39	6.35	10.937	0.58	0.58	7.825	0.82	0.81	32.547	39.9	40.1
Argentina	*2.54	*3.63	3.122	*0.81	*1.16	1.118	*2.27	*3.25	48.107	21.2	14.8
Portugal	7.56		0.731	10.3		0.641	11.79		65.388	5.5	
Korea	4700.00	4700.00	935.270	5.03	5.03	706.298	6.65	6.65	70.794	10.6	10.6
New Zealand			1.362			1.524			73.957		
Taiwan	112.00	112.00	32.883	3.41	3.41	16.519	6.78	6.78	89.013	13.1	13.1
France	4.18	4.18	0.731	5.72	5.72	0.913	4.58	4.58	90.624	19.8	19.8
UK	3.63	3.63	0.500	7.26	7.26	0.609	5.96	5.96	102.269	17.2	17.2
Japan	+	+	117.815	+	+	118.354	+	+	93.216		
Australia	5.18		1.195	4.34		1.482	3.50		95.736	27.4	
Switzerland	8.00	8.83	1.200	6.66	7.36	1.697	4.71	5.20	111.206	23.6	21.4
USA	14.60	14.60	1.000	14.60	14.60	1.019	14.33	14.33	122.643	8.6	8.6

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

+ : In 2007, 3 mg and 6 mg aripiprazole were available in Japan. These were not appropriate strength to estimate price of 10 mg and 15 mg aripiprazole.

Table 8. antipsychotic drug, clozapine

Country	Price in the country, 2007		exchange rate to US\$, 2007 average	Converted Price, US\$		IMF PPP conversion rate, 2007	PPP Converted Price, US\$		Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income	
	25 mg	100 mg		25 mg	100 mg		25 mg	100 mg		25 mg	100 mg
Uganda			1741.235			373.683			4.734		
Nigeria	861.70	1929.17	128.612	6.70	15.00	81.225	10.61	23.75	3.509	0.3	0.1
India	*1.38	*4.27	41.357	*0.03	*0.10	9.583	*0.14	*0.45	11.460	79.6	25.7
Philippines	36.75	119.75	46.214	0.80	2.59	12.963	2.83	9.24	15.722	5.5	1.7
Serbia	13.91	42.85	59.712	0.23	0.72	44.245	0.31	0.97	19.905	63.3	20.6
Thailand			32.530			12.615			26.615		
Macedonia	12.48	37.07	44.450	0.27	0.80	19.674	0.63	1.88	22.606	35.6	12.0
Dominican republic	29.09	87.76	33.739	0.86	2.60	13.378	2.17	6.56	28.056	12.9	4.3
Brazil	1.39	5.35	1.952	0.71	2.74	1.272	1.09	4.21	29.142	26.7	6.9
Mexico		5.79	10.937		0.53	7.825		0.74	32.547	!	44.0
Argentina	1.50	4.48	3.122	0.48	1.44	1.118	1.34	4.01	48.107	35.9	12.0
Portugal	0.24	0.73	0.731	0.34	1.00	0.641	0.37	1.14	65.388	174.6	57.4
Korea	317.00	818.00	935.270	0.34	0.87	706.298	0.45	1.16	70.794	157.7	61.1
New Zealand	0.44	1.14	1.362	0.32	0.84	1.524	0.29	0.75	73.957	256.2	98.9
Taiwan	10.00	29.00	32.883	0.30	0.88	16.519	0.61	1.76	89.013	147.0	50.7
France	0.23	0.75	0.731	0.31	1.03	0.913	0.25	0.82	90.624	359.7	110.3
UK	0.22	0.88	0.500	0.44	1.76	0.609	0.36	1.44	102.269	283.1	70.8
Japan	-	-	117.815	-	-	118.354			93.216		
Australia		2.70	1.195		2.26	1.482		1.82	95.736		52.5
Switzerland	0.79	1.63	1.200	0.66	1.36	1.697	0.47	0.96	111.206	238.9	115.8
USA	1.30	3.40	1.000	1.30	3.40	1.019	1.28	3.34	122.643	96.1	36.8

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 9. antipsychotic drug, olanzapine

Country	Price in the country, 2007		exchange rate to US\$, 2007 average	Converted Price, US\$		IMF PPP conversion rate, 2007	PPP Converted Price, US\$		Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income	
	5 mg	10 mg		5 mg	10 mg		5 mg	10 mg		5 mg	10 mg
Uganda		1800.00	1741.235		1.03	373.683		4.82	4.734		1.0
Nigeria	556.50	1518.00	128.612	4.35	11.81	81.225	6.85	18.69	3.509	0.5	0.2
India	*2.51	*4.88	41.357	*0.06	*0.12	9.583	*0.26	*0.51	11.460	43.8	22.5
Philippines	233.50	308.25	46.214	5.05	6.67	12.963	18.01	23.78	15.722	0.9	0.7
Serbia	154.27	312.37	59.712	2.58	5.23	44.245	3.49	7.06	19.905	5.7	2.8
Thailand	8.24	16.01	32.530	0.25	0.49	12.615	0.65	1.27	26.615	40.7	21.0
Macedonia	183.52	-	44.450	3.95	-	19.674	9.33	-	22.606	2.4	-
Dominican republic	343.57	482.86	33.739	10.18	14.31	13.378	25.68	36.09	28.056	1.1	0.8
Brazil	11.17	22.35	1.952	5.72	11.45	1.272	8.78	17.57	29.142	3.3	1.7
Mexico	4.54	8.61	10.937	0.42	0.79	7.825	0.58	1.10	32.547	56.1	29.6
Argentina	8.24	16.01	3.122	2.64	5.13	1.118	7.37	14.32	48.107	6.5	3.4
Portugal	2.38	4.76	0.731	3.26	6.52	0.641	3.71	7.43	65.388	17.6	8.8
Korea	2645.00	4977.00	935.270	2.83	5.32	706.298	3.74	7.05	70.794	18.9	10.0
New Zealand	3.61	7.30	1.362	2.65	5.36	1.524	2.37	4.79	73.957	31.2	15.4
Taiwan	82.00	158.00	32.883	2.49	4.8	16.519	4.96	9.56	89.013	17.9	9.3
France	2.18	4.18	0.731	2.98	5.72	0.913	2.39	4.58	90.624	38.0	19.8
UK	1.74	2.84	0.500	3.48	5.68	0.609	2.86	4.66	102.269	35.8	21.9
Japan	262.20	496.1	117.815	2.23	4.21	118.354	2.22	4.19	93.216	42.1	22.2
Australia		7.09	1.195		5.93	1.482		4.78	95.736		20.0
Switzerland	5.28	8.85	1.200	4.4	7.37	1.697	3.11	5.22	111.206	35.7	21.3
USA	9.01	14.86	1.000	9.01	14.86	1.019	8.84	14.58	122.643	13.9	8.4

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 10. antipsychotic drug, risperidone

Country	Price in the country, 2007			exchange rate to US\$, 2007 average	Converted Price, US\$			IMF PPP conversion rate, 2007	PPP Converted Price, US\$			Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income		
	0.5 mg	1 mg	2 mg		0.5 mg	1 mg	2 mg		0.5 mg	1 mg	2 mg		0.5 mg	1 mg	2 mg
Uganda		2500.00	3000.00	1741.235		1.44	1.72	373.683		6.69	8.03	4.734		0.7	0.6
Nigeria		208.50	501.50	128.612		1.63	3.90	81.225		2.57	6.17	3.509		1.4	0.6
India		13.50	27.00	41.357		0.33	0.65	9.583		1.41	2.82	11.460		8.1	4.1
Philippines		90.75	195.50	46.214		1.96	4.23	12.963		7.00	15.08	15.722		2.2	1.0
Serbia		48.88	92.10	59.712		0.82	1.54	44.245		1.10	2.08	19.905		18.0	9.6
Thailand	40.00	45.00	50.00	32.530	1.23	1.38	1.54	12.615	3.17	3.57	3.96	26.615	8.4	7.5	6.7
Macedonia		39.76	82.59	44.450		0.86	1.78	19.674		2.02	4.20	22.606		11.2	5.4
Dominican republic		49.52	99.03	33.739		1.47	2.94	13.378		3.70	7.40	28.056		7.6	3.8
Brazil	1.58	3.10	6.43	1.952	0.81	1.59	3.29	1.272	1.24	2.44	5.06	29.142	23.5	12.0	5.8
Mexico		1.16	3.24	10.937		0.11	0.3	7.825		0.15	0.41	32.547		219.6	78.6
Argentina	1.54	2.52	4.67	3.122	0.49	0.81	1.50	1.118	1.38	2.25	4.18	48.107	34.9	21.3	11.5
Portugal		0.80		0.731		1.09		0.641		1.25		65.388		52.4	
Korea		871.00	1352.00	935.270		0.93	1.45	706.298		1.23	1.91	70.794		57.4	37.0
New Zealand	0.51	1.02	2.05	1.362	0.37	0.75	1.51	1.524	0.33	0.67	1.35	73.957	221.0	110.5	55.0
Taiwan		28.00	45.00	32.883		0.85	1.37	16.519		1.70	2.72	89.013		52.5	32.7
France		0.84	1.593	0.731		1.15	2.18	0.913		0.92	1.74	90.624		98.5	51.9
UK	0.35	0.62	1.19	0.500	0.71	1.24	2.38	0.609	0.57	1.02	1.95	102.269	177.9	100.5	52.3
Japan		45.60	85.70	117.815		0.39	0.73	118.354		0.39	0.72	93.216		241.9	128.7
Australia		1.20		1.195		1.00		1.482		0.81		95.736		118.2	
Switzerland	1.90	2.26	3.39	1.200	1.58	1.88	2.82	1.697	1.12	1.33	2.00	111.206	99.3	83.5	55.7
USA	4.76	5.05	8.45	1.000	4.76	5.05	8.45	1.019	4.67	4.96	8.29	122.643	26.3	24.7	14.8

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 11. antipsychotic drug, quetiapine

Country	Price in the country, 2007		exchange rate to US\$, 2007 average	Converted Price, US\$		IMF PPP conversion rate, 2007	PPP Converted Price, US\$		Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income	
	25 mg	100 mg		25 mg	100 mg		25 mg	100 mg		25 mg	100 mg
Uganda			1741.235			373.683			4.734		
Nigeria			128.612			81.225			3.509		
India	*1.83	*3.97	41.357	*0.04	*0.10	9.583	*0.19	*0.41	11.460	60.0	27.7
Philippines	47.75	109.25	46.214	1.03	2.36	12.963	3.68	8.43	15.722	4.3	1.9
Serbia		40.82	59.712		0.68	44.245		0.92	19.905		21.6
Thailand			32.530			12.615			26.615		
Macedonia	-	-	44.450	-	-	19.674			22.606		
Dominican republic	47.67	95.17	33.739	1.41	2.82	13.378	3.56	7.11	28.056	7.9	3.9
Brazil	2.60	8.63	1.952	1.33	4.42	1.272	2.04	6.78	29.142	14.3	4.3
Mexico	0.72	1.68	10.937	0.07	0.15	7.825	0.09	0.21	32.547	353.7	151.6
Argentina	4.70	7.10	3.122	1.5	2.27	1.118	4.20	6.35	48.107	11.4	7.6
Portugal		1.18	0.731		1.61	0.641		1.84	65.388		35.5
Korea	604.00	1516.00	935.270	0.65	1.62	706.298	0.86	2.15	70.794	82.8	33.0
New Zealand	0.92	1.83	1.362	0.68	1.34	1.524	0.60	1.20	73.957	122.5	61.6
Taiwan	21.00	48.00	32.883	0.64	1.46	16.519	1.27	2.91	89.013	70.0	30.6
France	-	-	0.731			0.913			90.624		
UK	0.5	1.89	0.500	1.00	3.78	0.609	0.82	3.10	102.269	124.6	33.0
Japan	49.40	174.50	117.815	0.42	1.48	118.354	0.42	1.47	93.216	223.3	63.2
Australia		1.58	1.195		1.32	1.482		1.07	95.736		89.8
Switzerland	1.23	2.48	1.200	1.02	2.06	1.697	0.72	1.46	111.206	153.4	76.1
USA	2.60	4.43	1.000	2.60	4.43	1.019	2.55	4.35	122.643	48.1	28.2

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 12. antipsychotic drug, ziprasidone

Country	Price in the country, 2007			exchange rate to US\$, 2007 average	Converted Price, US\$			IMF PPP conversion rate, 2007	PPP Converted Price, US\$			Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income		
	20 mg	40 mg	100 mg		20 mg	40 mg	100 mg		20 mg	40 mg	100 mg		20 mg	40 mg	100 mg
Uganda				1741.235				373.683				4.734			
Nigeria				128.612				81.225				3.509			
India	*3.01	*5.96	*11.92	41.357	*0.07	*0.14	*0.29	9.583	*0.31	*0.62	*1.24	11.460	36.5	18.4	9.2
Philippines				46.214				12.963				15.722			
Serbia				59.712				44.245				19.905			
Thailand				32.530				12.615				26.615			
Macedonia	-	-	-	44.450	-	-	-	19.674				22.606			
Dominican republic		90.57	90.57	33.739		2.68	2.68	13.378		6.77	6.77	28.056		4.1	4.1
Brazil		8.45	13.21	1.952		4.33	6.77	1.272		6.64	10.39	29.142		4.4	2.8
Mexico		4.01	4.01	10.937		0.37	0.37	7.825		0.51	0.51	32.547		63.5	63.5
Argentina	6.52	6.52	9.53	3.122	2.09	2.09	3.05	1.118	5.83	5.83	8.52	48.107	8.2	8.2	5.6
Portugal		1.98		0.731		2.71		0.641		3.09		65.388		21.2	
Korea	2230.0	2301.0	3044.0	935.270	2.38	2.46	3.25	706.298	3.16	3.26	4.31	70.794	22.4	21.7	16.4
New Zealand	1.46	2.75		1.362	1.07	2.02		1.524	0.96	1.80		73.957	77.2	41.0	
Taiwan		55.00		32.883		1.67		16.519	0.00	3.33		89.013		26.7	
France	-	-	-	0.731	-	-	-	0.913				90.624			
UK	-	-	-	0.500	-	-	-	0.609				102.269			
Japan				117.815				118.354				93.216			
Australia		3.06		1.195		2.56		1.482		2.06		95.736		46.4	
Switzerland				1.200				1.697				111.206			
USA	6.57	6.57	-	1.000	6.57	6.57	-	1.019	6.45	6.45		122.643	19.0	19.0	

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 13. antidepressant, moclobemide 150 mg

Country	Price in the country, 2007	exchange rate to US\$, 2007 average	Converted Price, US\$	IMF PPP conversion rate, 2007	PPP Converted Price, US\$	Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income
Uganda		1741.235		373.683		4.734	
Nigeria		128.612		81.225		3.509	
India	5.10	41.357	0.12	9.583	0.53	11.460	21.5
Philippines	45.25	46.214	0.98	12.963	3.49	15.722	4.5
Serbia		59.712		44.245		19.905	
Thailand		32.530		12.615		26.615	
Macedonia	-	44.450	-	19.674		22.606	
Dominican republic		33.739		13.378		28.056	
Brazil	2.18	1.952	1.12	1.272	1.71	29.142	17.0
Mexico	0.83	10.937	0.08	7.825	0.11	32.547	306.8
Argentina		3.122		1.118		48.107	
Portugal	0.54	0.731	0.73	0.641	0.84	65.388	77.6
Korea	495.00	935.270	0.53	706.298	0.70	70.794	101.0
New Zealand		1.362		1.524		73.957	
Taiwan	11.00	32.883	0.33	16.519	0.67	89.013	133.7
France	0.26	0.731	0.36	0.913	0.28	90.624	318.2
UK	0.31	0.500	0.62	0.609	0.51	102.269	200.9
Japan	-	117.815	-	118.354		93.216	
Australia	0.37	1.195	0.31	1.482	0.25	95.736	383.5
Switzerland	0.97	1.200	0.80	1.697	0.57	111.206	194.6
USA	-	1.000	-	1.019	-	122.643	

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 14. antidepressant, citalpram

Country	Price in the country, 2007		exchange rate to US\$, 2007 average	Converted Price, US\$		IMF PPP conversion rate, 2007	PPP Converted Price, US\$		Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income	
	10 mg	20 mg		10 mg	20 mg		10 mg	20 mg		10 mg	20 mg
Uganda		1500.00	1741.235		0.86	373.683		4.01	4.734		1.2
Nigeria			128.612			81.225			3.509		
India			41.357			9.583			11.460		
Philippines			46.214			12.963			15.722		
Serbia		108.63	59.712		1.82	44.245		2.46	19.905		8.1
Thailand			32.530			12.615			26.615		
Macedonia	*7.34	*14.07	44.450	*0.16	*0.30	19.674	*0.37	*0.72	22.606	60.6	31.6
Dominican republic		*34.5	33.739		*1.02	13.378		*2.58	28.056		10.9
Brazil		4.82	1.952		2.47	1.272		3.79	29.142		7.7
Mexico		3.05	10.937		0.28	7.825		0.39	32.547		83.5
Argentina		3.99	3.122		1.28	1.118		3.57	48.107		13.5
Portugal		0.21	0.731		0.29	0.641		0.33	65.388		199.6
Korea	1166.00	1014.00	935.270	1.25	1.08	706.298	1.65	1.44	70.794	42.9	49.3
New Zealand		1.12	1.362		0.82	1.524		0.73	73.957		100.6
Taiwan	34.00	44.00	32.883	1.03	1.34	16.519	2.06	2.66	89.013	43.2	33.4
France		0.76	0.731		1.04	0.913		0.83	90.624		108.9
UK	0.32	0.53	0.500	0.64	1.06	0.609	0.53	0.87	102.269	194.6	117.5
Japan	-	-	117.815	-	-	118.354			93.216		
Australia		0.69	1.195		0.58	1.482		0.47	95.736		205.6
Switzerland		3.01	1.200		2.51	1.697		1.77	111.206		62.7
USA	2.45	2.60	1.000	2.45	2.60	1.019	2.40	2.55	122.643	51.0	48.1

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 15. antidepressant, fluoxetine

Country	Price in the country, 2007		exchange rate to US\$, 2007 average	Converted Price, US\$		IMF PPP conversion rate, 2007	PPP Converted Price, US\$		Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income	
	10 mg	20 mg		10 mg	20 mg		10 mg	20 mg		10 mg	20 mg
Uganda		2500.00	1741.235		1.44	373.683		6.69	4.734		0.7
Nigeria		187.77	128.612		1.46	81.225		2.31	3.509		1.5
India	*1.54	*2.86	41.357	*0.04	*0.07	9.583	*0.16	*0.30	11.460	71.3	38.4
Philippines		123.50	46.214		2.67	12.963		9.53	15.722		1.7
Serbia		36.71	59.712		0.61	44.245		0.83	19.905		24.0
Thailand			32.530			12.615			26.615		
Macedonia		10.40	44.450		0.22	19.674		0.53	22.606		42.8
Dominican republic		104.49	33.739		3.10	13.378		7.81	28.056		3.6
Brazil		4.61	1.952		2.37	1.272		3.62	29.142		8.0
Mexico		2.68	10.937		0.25	7.825		0.34	32.547		95.0
Argentina		3.72	3.122		1.19	1.118		3.33	48.107		14.5
Portugal		0.78	0.731		1.06	0.641		1.22	65.388		53.7
Korea	600.00	902.00	935.270	0.64	0.96	706.298	0.85	1.28	70.794	83.3	55.4
New Zealand		1.12	1.362		0.82	1.524		0.73	73.957		100.6
Taiwan		19.00	32.883		0.58	16.519		1.15	89.013		77.4
France		0.66	0.731		0.90	0.913		0.72	90.624		125.4
UK		0.47	0.500		0.94	0.609		0.77	102.269		132.5
Japan	-	-	117.815	-	-	118.354	-	-	93.216		
Australia		1.09	1.195		0.91	1.482		0.74	95.736		130.2
Switzerland		2.67	1.200		2.22	1.697		1.57	111.206		70.7
USA	2.60	2.70	1.000	2.60	2.70	1.019	2.55	2.65	122.643	48.1	46.3

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 16. antidepressant, paroxetine

Country	Price in the country, 2007		exchange rate to US\$, 2007 average	Converted Price, US\$		IMF PPP conversion rate, 2007	PPP Converted Price, US\$		Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income	
	10 mg	20 mg		10 mg	20 mg		10 mg	20 mg		10 mg	20 mg
Uganda	2500.00	3000.00	1741.235	1.44	1.72	373.683	6.69	8.03	4.734	0.7	0.6
Nigeria		172.34	128.612		1.34	81.225		2.12	3.509		1.7
India	*6.65	*9.50	41.357	*0.16	*0.23	9.583	*0.69	*0.99	11.460	16.5	11.6
Philippines			46.214			12.963		0.00	15.722		
Serbia		44.63	59.712		0.75	44.245		1.01	19.905		19.7
Thailand			32.530			12.615			26.615		
Macedonia		39.76	44.450		0.89	19.674		2.02	22.606		11.2
Dominican republic		73.81	33.739		2.19	13.378		5.52	28.056		5.1
Brazil		4.77	1.952		2.44	1.272		3.75	29.142		7.8
Mexico		2.57	10.937		0.23	7.825		0.33	32.547		99.1
Argentina		3.66	3.122		1.17	1.118		3.27	48.107		14.7
Portugal		1.13	0.731		1.55	0.641		1.76	65.388		37.1
Korea	902.00	1365.00	935.270	0.96	1.46	706.298	1.28	1.93	70.794	55.4	36.6
New Zealand		1.17	1.362		0.86	1.524		0.77	73.957		96.3
Taiwan			32.883			16.519			89.013		
France		0.78	0.731		1.07	0.913		0.85	90.624		106.1
UK		0.44	0.500		0.88	0.609		0.72	102.269		141.5
Japan	137.20	241.1	117.815	1.16	2.05	118.354	1.16	2.04	93.216	80.4	45.8
Australia		1.02	1.195		0.85	1.482		0.69	95.736		139.1
Switzerland		2.53	1.200		2.11	1.697		1.49	111.206		74.6
USA		3.60	1.000		3.60	1.019		3.53	122.643		34.7

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 17. antidepressant, paroxetine CR

Country	Price in the country, 2007		exchange rate to US\$, 2007 average	Converted Price, US\$		IMF PPP conversion rate, 2007	PPP Converted Price, US\$		Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income	
	12.5 mg	25 mg		12.5 mg	25 mg		12.5 mg	25 mg		12.5 mg	25 mg
Uganda			1741.235			373.683			4.734		
Nigeria			128.612			81.225			3.509		
India	*8.04	*11.12	41.357	*0.19	*0.27	9.583	0.84	1.16	11.460	13.7	9.9
Philippines			46.214			12.963			15.722		
Serbia			59.712			44.245			19.905		
Thailand			32.530			12.615			26.615		
Macedonia			44.450			19.674			22.606		
Dominican republic	54.17	94.2	33.739	1.61	2.79	13.378	4.05	7.04	28.056	6.9	4.0
Brazil	2.36	4.72	1.952	1.21	2.42	1.272	1.86	3.71	29.142	15.7	7.9
Mexico		1.65	10.937		0.15	7.825		0.21	32.547		154.4
Argentina			3.122			1.118			48.107		
Portugal			0.731			0.641			65.388		
Korea	1004.00		935.270	1.07		706.298	1.42		70.794	49.8	
New Zealand			1.362			1.524			73.957		
Taiwan	22.00		32.883	0.67		16.519	1.33		89.013	66.8	
France	-	-	0.731	-	-	0.913	-	-	90.624		
UK	-	-	0.500	-	-	0.609	-	-	102.269		
Japan			117.815			118.354			93.216		
Australia			1.195			1.482			95.736		
Switzerland			1.200			1.697			111.206		
USA	3.80	3.97	1.000	3.80	3.97	1.019	3.73	3.90	122.643	32.9	31.5

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

CR = controlled release

Table 18. antidepressant, sertraline

Country	Price in the country, 2007		exchange rate to US\$, 2007 average	Converted Price, US\$		IMF PPP conversion rate, 2007	PPP Converted Price, US\$		Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income	
	50 mg	100 mg		50 mg	100 mg		50 mg	100 mg		50 mg	100 mg
Uganda	1500.00		1741.235	0.86		373.683	4.01		4.734	1.2	
Nigeria	189.06		128.612	1.47		81.225	2.33		3.509	1.5	
India	4.65		41.357	0.11		9.583	0.49		11.460	23.6	
Philippines	413.75		46.214	8.95		12.963	31.92		15.722	0.5	
Serbia	43.37	86.74	59.712	0.73	1.45	44.245	0.98	1.96	19.905	20.3	10.2
Thailand			32.530			12.615			26.615		
Macedonia	*14.07	*25.08	44.450	*0.30	*0.54	19.674	*0.72	*1.27	22.606	31.6	17.7
Dominican republic	95.35	143.96	33.739	2.83	4.27	13.378	7.13	10.76	28.056	3.9	2.6
Brazil	4.13	6.42	1.952	2.12	3.29	1.272	3.25	5.05	29.142	9.0	5.8
Mexico	*2.78	*4.9	10.937	*0.25	*0.45	7.825	*0.36	*0.63	32.547	91.6	52.0
Argentina	2.72	4.74	3.122	0.87	1.52	1.118	2.43	4.24	48.107	19.8	11.3
Portugal	1.03	1.52	0.731	1.40	2.07	0.641	1.61	2.37	65.388	40.7	27.6
Korea	1011.00		935.270	1.08		706.298	1.43		70.794	49.5	
New Zealand	1.82	3.03	1.362	1.34	2.23	1.524	1.19	1.99	73.957	61.9	37.2
Taiwan	39.00	50	32.883	1.19	1.52	16.519	2.36	3.03	89.013	37.7	29.4
France	0.71		0.731	0.97		0.913	0.78	0.00	90.624	116.5	
UK	0.64	1.04	0.500	1.28	2.08	0.609	1.05	1.71	102.269	97.3	59.9
Japan	241.10		117.815	2.05		118.354	2.04		93.216	45.8	
Australia	0.95	0.95	1.195	0.79	0.79	1.482	0.64	0.64	95.736	149.3	149.3
Switzerland	1.60		1.200	1.33		1.697	0.94		111.206	117.9	
USA	2.70	2.70	1.000	2.70	2.70	1.019	2.65	2.65	122.643	46.3	46.3

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 19. antidepressant, bupropion 150 mg

Country	Price in the country, 2007	exchange rate to US\$, 2007 average	Converted Price, US\$	IMF PPP conversion rate, 2007	PPP Converted Price, US\$	Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income
Uganda		1741.235		373.683		4.734	
Nigeria		128.612		81.225		3.509	
India	*13.55	41.357	*0.33	9.583	1.41	11.460	8.1
Philippines		46.214		12.963		15.722	
Serbia	63.03	59.712	1.06	44.245	1.42	19.905	14.0
Thailand		32.530		12.615	0.00	26.615	
Macedonia	-	44.450	-	19.674		22.606	
Dominican republic	72.76	33.739	2.16	13.378	5.44	28.056	5.2
Brazil	2.98	1.952	1.53	1.272	2.34	29.142	12.4
Mexico	*1.86	10.937	*0.17	7.825	0.24	32.547	136.9
Argentina		3.122		1.118		48.107	
Portugal		0.731		0.641		65.388	
Korea	995.00	935.270	1.06	706.298	1.41	70.794	50.3
New Zealand	2.19	1.362	1.61	1.524	1.44	73.957	51.5
Taiwan	35.00	32.883	1.06	16.519	2.12	89.013	42.0
France	1.56	0.731	2.13	0.913	1.71	90.624	53.0
UK	0.66	0.500	1.32	0.609	1.08	102.269	94.4
Japan	-	117.815	-	118.354	-	93.216	
Australia	1.88	1.195	1.57	1.482	1.27	95.736	75.5
Switzerland	3.05	1.200	2.54	1.697	1.80	111.206	61.9
USA	2.00	1.000	2.00	1.019	1.96	122.643	62.5

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 20. antidepressant, mirtazapine

Country	Price in the country, 2007		exchange rate to US\$, 2007 average	Converted Price, US\$		IMF PPP conversion rate, 2007	PPP Converted Price, US\$		Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income	
	15 mg	30 mg		15 mg	30 mg		15 mg	30 mg		15 mg	30 mg
Uganda	2000.00		1741.235	1.15		373.683	5.35		4.734	0.9	
Nigeria			128.612			81.225			3.509		
India	*6.18	*12.23	41.357	*0.15	*0.30	9.583	*0.64	*1.28	11.460	17.8	9.0
Philippines		122.75	46.214		2.66	12.963		9.47	15.722		1.7
Serbia		65.00	59.712		1.09	44.245		1.47	19.905		13.5
Thailand			32.530			12.615			26.615		
Macedonia		*42.82	44.450		*0.92	19.674		*2.18	22.606		10.4
Dominican republic		126.24	33.739		3.74	13.378		9.44	28.056		3.0
Brazil			1.952			1.272			29.142		
Mexico		*1.87	10.937		*0.17	7.825		*0.24	32.547		136.2
Argentina		4.71	3.122		1.51	1.118		4.21	48.107		11.4
Portugal		*1.02	0.731		*1.40	0.641		*1.59	65.388		41.1
Korea	1442.00	1949.00	935.270	1.54	2.08	706.298	2.04	2.76	70.794	34.7	25.7
New Zealand			1.362			1.524			73.957		
Taiwan	24.00	43.00	32.883	0.73	1.31	16.519	1.45	2.60	89.013	61.3	34.2
France		*0.50	0.731		*0.68	0.913		*0.55	90.624		165.5
UK	0.64	0.64	0.500	1.28	1.28	0.609	1.05	1.05	102.269	97.3	97.3
Japan	-	-	117.815	-	-	118.354			93.216		
Australia		1.14	1.195		0.95	1.482		0.77	95.736		124.5
Switzerland		3.03	1.200		2.52	1.697		1.79	111.206		62.3
USA	1.83	1.89	1.000	1.83	1.89	1.019	1.80	1.85	122.643	68.3	66.1

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

Table 21. antidepressant, venlafaxine

Country	Price in the country, 2007		exchange rate to US\$, 2007 average	Converted Price, US\$		IMF PPP conversion rate, 2007	PPP Converted Price, US\$		Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income	
	37.5 mg	75 mg		37.5 mg	75 mg		37.5 mg	75 mg		37.5 mg	75 mg
Uganda		7500.00	1741.235		4.31	373.683		20.07	4.734		0.2
Nigeria	769.37	1301.04	128.612	5.98	10.12	81.225	9.47	16.02	3.509	0.4	0.2
India	*1.94	*3.84	41.357	*0.05	*0.09	9.583	0.20	0.40	11.460	56.6	28.6
Philippines		127.50	46.214		2.76	12.963		9.84	15.722		1.6
Serbia	71.86	136.33	59.712	1.20	2.28	44.245	1.62	3.08	19.905	12.3	6.5
Thailand			32.530			12.615			26.615		
Macedonia	*7.95	*15.91	44.450	*0.17	*0.34	19.674	0.40	0.81	22.606	55.9	28.0
Dominican republic		148.97	33.739		4.42	13.378		11.14	28.056		2.5
Brazil	2.92	4.29	1.952	1.50	2.20	1.272	2.30	3.37	29.142	12.7	8.6
Mexico		**2.02	10.937		**0.18	7.825		0.26	32.547		126.1
Argentina			3.122			1.118			48.107		
Portugal			0.731			0.641			65.388		
Korea	875.00	1194.00	935.270	0.94	1.28	706.298	1.24	1.69	70.794	57.1	41.9
New Zealand			1.362			1.524			73.957		
Taiwan	27.00		32.883	0.82		16.519	1.63		89.013	54.5	
France	0.48		0.731	0.66		0.913	0.53		90.624	172.4	
UK	0.42	0.77	0.500	0.84	1.54	0.609	0.69	1.26	102.269	148.3	80.9
Japan	-	-	117.815	-	-	118.354	-	-	93.216		
Australia		1.53	1.195		1.28	1.482		1.03	95.736		92.7
Switzerland	1.30	1.91	1.200	1.09	1.59	1.697	0.77	1.13	111.206	145.2	98.8
USA	2.00	2.18	1.000	2.00	2.18	1.019	1.96	2.14	122.643	62.5	57.3

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

** Strength of venlafaxine in Mexico was 50 mg.

Table 22. antidepressant, venlafaxine XR

Country	Price in the country, 2007		exchange rate to US\$, 2007 average	Converted Price, US\$		IMF PPP conversion rate, 2007	PPP Converted Price, US\$		Daily income (= PPP GDP /365)	Affordability index = number of pills purchasable with one's daily income	
	37.5 mg	75 mg		37.5 mg	75 mg		37.5 mg	75 mg		37.5 mg	75 mg
Uganda			1741.235			373.683			4.734		
Nigeria			128.612			81.225			3.509		
India	*1.83	*3.42	41.357	*0.04	*0.08	9.583	*0.19	*0.36	11.460	60.0	32.1
Philippines			46.214			12.963			15.722		
Serbia			59.712			44.245			19.905		
Thailand			32.530			12.615			26.615		
Macedonia			44.450			19.674			22.606		
Dominican republic		148.97	33.739		4.42	13.378		11.14	28.056		2.5
Brazil	2.65	6.26	1.952	1.36	3.21	1.272	2.08	4.92	29.142	14.0	5.9
Mexico	2.84	2.84	10.937	0.26	0.26	7.825	0.36	0.36	32.547	89.7	89.7
Argentina	3.21	4.62	3.122	1.03	1.48	1.118	2.87	4.13	48.107	16.8	11.6
Portugal	0.56	1.31	0.731	0.76	1.79	0.641	0.87	2.04	65.388	74.8	32.0
Korea	1110.00	1448.00	935.270	1.19	1.55	706.298	1.57	2.05	70.794	45.0	34.5
New Zealand		1.33	1.362		0.98	1.524		0.87	73.957		84.7
Taiwan		45.00	32.883		1.37	16.519		2.72	89.013		32.7
France			0.731			0.913			90.624		
UK			0.500			0.609			102.269		
Japan	-	-	117.815	-	-	118.354	-	-	93.216		
Australia	0.91	1.56	1.195	0.76	1.31	1.482	0.61	1.05	95.736	155.9	90.9
Switzerland	2.34	2.56	1.200	1.95	2.13	1.697	1.38	1.51	111.206	80.6	73.7
USA	3.95	4.42	1.000	3.95	4.42	1.019	3.88	4.34	122.643	31.6	28.3

(Note: all values are for the originator price if * is not prefixed for the price of the generic equivalent drug.)

XR = extended release

PART II: ADDENDA : COMPARISON ACROSS COUNTRIES**1. POPULATION**

Country	Population , 2007	Age Structure (%)			Population growth rate (%)
		0 ~ 14	15 ~ 64	65 +	
Argentina	40,301,927	24.9	64.4	10.7	0.938
Australia	20,434,176	19.3	67.4	13.2	0.824
Brazil	190,010,647	25.3	68.4	6.3	1.008
Dominican republic	9,365,818	32.1	62.2	5.7	1.500
France	63,713,926	18.6	65.2	16.2	0.588
India	1,129,866,154	31.8	63.1	5.1	1.606
Japan	127,433,494	13.8	65.2	21	-0.088
Korea	49,044,790	18.3	72.1	9.6	0.394
Macedonia	2,055,915	33.5	35.5	34.4	0.263
Mexico	108,700,891	30.1	64.0	5.9	1.153
New Zealand	4,115,771	20.8	67.3	11.9	0.950
Nigeria	135,031,164	42.2	54.7	3.1	2.379
Philippines	91,077,287	34.5	61.3	4.1	1.764
Portugal	10,642,836	16.5	66.3	17.3	0.334
Serbia	10,159,046	19.0	67.0	14.0	2.300
Switzerland	7,554,661	16.1	68.2	15.8	0.381
Taiwan	22,858,872	17.8	72.0	10.2	0.304
Thailand	65,068,149	21.6	70.1	8.2	0.663
Uganda	30,262,610	50.2	47.6	2.2	3.572
UK	60,776,238	17.2	67.0	15.8	0.275
USA	301,139,947	20.2	67.2	12.6	0.894

2. MORTALITY RATE

BIRTH RATE &

Country	Birth Rate/ 1000 population	Mortality Rate/ 1000 population	Infant Mortality Rate/ 1000 live birth		
			Male	Female	Total
Argentina	16.53	7.55	16.11	12.38	14.27
Australia	12.02	7.56	4.95	4.16	4.57
Brazil	16.30	6.19	31.27	23.78	27.62
Dominican republic	22.91	5.32	30.05	25.75	27.94
France	12.91	8.55	3.76	3.04	3.41
India	22.69	6.58	39.42	29.23	34.61
Japan	8.10	8.98	3.00	2.59	2.80
Korea	9.93	5.99	6.43	5.64	6.05
Macedonia	12.02	8.78	9.69	9.37	9.53
Mexico	20.36	4.76	21.54	17.62	19.63
New Zealand	13.61	7.54	6.48	4.82	5.67
Nigeria	40.20	16.68	102.44	88.38	95.52
Philippines	24.48	5.36	24.85	19.25	22.12
Portugal	10.59	10.56	5.38	4.42	4.92
Switzerland	9.66	8.51	4.77	3.77	4.28
Serbia	12.10	10.70	14.13	10.76	12.52
Taiwan	8.97	6.54	5.86	5.19	5.54
Thailand	13.73	7.10	20.13	17.51	18.85
Uganda	48.12	12.64	70.92	63.42	67.22
UK	10.67	10.09	5.58	4.40	5.01
USA	14.16	8.26	7.02	5.68	6.37

3. LITERACY, AND LIFE EXPECTANCY

FERTILITY,

Country	Fertility Rate (children born per woman)	literacy	Life expectancy at birth		
			Male	Female	Total
Argentina	2.13	97.2	72.60	80.24	76.32
Australia	1.76	99.0	77.75	83.63	80.62
Brazil	1.88	88.6	68.30	76.38	72.24
Dominican republic	2.81	87.0	71.34	74.87	73.07
France	1.98	99.0	77.35	84.00	80.59
India	2.81	61.0	66.28	71.17	68.59
Japan	1.23	99.0	78.67	85.56	82.02
Korea	1.28	97.2	73.81	80.93	77.23
Macedonia	1.57	96.1	71.73	76.88	74.21
Mexico	2.39	91.0	72.84	78.56	75.63
New Zealand	1.79	99.0	75.97	82.08	78.96
Nigeria	5.45	68.0	46.83	48.07	47.44
Philippines	3.05	92.6	67.61	73.55	70.51
Portugal	1.48	93.3	74.60	81.36	77.87
Serbia	1.69	96.4	72.70	78.09	75.29
Switzerland	1.44	99.0	77.80	83.59	80.62
Taiwan	1.12	96.1	74.65	80.74	77.56
Thailand	1.64	92.6	70.24	74.98	72.55
Uganda	6.84	66.8	50.78	52.73	51.75
UK	1.66	99.0	76.23	81.30	78.70
USA	2.09	99.0	75.15	80.97	78.00

4. RATE

GDP & GROWTH

Country	National PPP GDP (Unit: trillion US\$)	PPP GDP per capita (US\$)*	Real Growth Rate (%)	GDP composition (%)		
				Agriculture	Industry	Service
Argentina	0.609	17,559	8.5	8.5	35.9	55.6
Australia	0.675	34,943	2.7	3.7	26.2	70.1
Brazil	1.655	10,637	3.7	5.1	30.9	64.0
Dominican republic	0.077	10,241	10.7	11.6	28.6	59.8
France	1.902	33,078	2.2	2.0	20.7	77.2
India	4.164	4,183	9.4	17.5	27.9	54.6
Japan	4.218	34,024	2.2	1.5	25.6	73.0
Korea	1.206	25,840	4.9	3.2	39.6	57.2
Macedonia	0.017	8,251	3.1	12.6	29.5	57.9
Mexico	1.149	11,880	4.8	3.9	26.7	69.4
New Zealand	0.107	26,994	1.5	4.3	26.9	68.8
Nigeria	0.295	1,281	6.1	17.6	53.1	29.3
Philippines	0.450	5,738	5.4	14.1	31.6	54.2
Portugal	0.210	23,867	1.3	8.0	25.8	66.2
Serbia	0.077	7,265	7.3	12.3	24.2	63.5
Switzerland	0.256	40,590	2.7	1.5	34.0	64.5
Taiwan	0.682	32,490	4.7	1.5	26.8	71.7
Thailand	0.597	9,714	5.0	10.7	44.6	44.7
Uganda	0.053	1,728	5.3	31.4	24.6	44.0
UK	1.928	37,328	2.8	0.9	24.1	75.0
USA	13.060	44,765	2.9	0.9	20.9	78.2

*<http://www.imf.org/external/pubs/ft/weo/2007/02/weodata/index.aspx>

Prepared by Guk-Hee Suh, Chair of the Mental Health Economics Task Force of International Psychogeriatric Association. Guk-Hee Suh takes sole responsibility for all opinion and content in this report.

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