

HEALTH CARE & PHARMA

Helgi's Pocket Guide

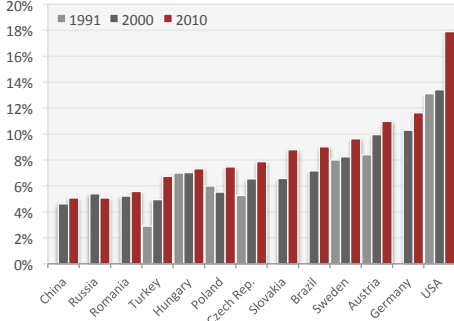
January 2013

Romania

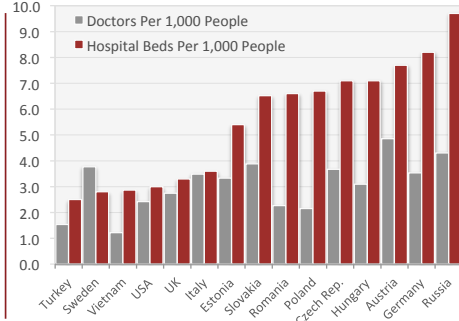
ROMANIAN HEALTH CARE AT A GLANCE					
	1990	1995	2000	2005	2010
Population (mil)	23.2	22.7	22.4	21.6	21.4
Life Expectancy (Years)	69.7	69.5	71.2	71.9	73.5
Life Expectancy At 65 Years (Years)	14.4	14.2	14.8	15.0	15.8
Total Health Expenditure (As % Of GDP)		3.7%	5.2%	5.5%	5.6%
Total Health Expenditure Per Capita (USD)		57	87	252	428
Public Health Expenditure (As % Of Total)		70.3%	67.7%	80.2%	78.1%
Neonatal Mortality (Per 1,000 Live Births)	16.6	15.2	13.5	11.2	8.1
Infant Mortality (Per 1,000 Live Births)	30.6	27.3	23.2	17.9	11.7
Hospital Beds Per 1,000 People	8.9	7.6	7.4	6.6	6.6
Physicians (Per 1,000 People)	1.8	1.8	1.9	1.9	2.3
Prevalence Of HIV, Total (As % Of Population Aged 15-49)	0.10%	0.10%	0.10%	0.10%	0.10%
Incidence Of Tuberculosis (Per 100,000 People)	143	143	167	164	116
Immunisation, Pol3 (As % Of One-Year-Old Children)	92%	94%	99%	97%	96%



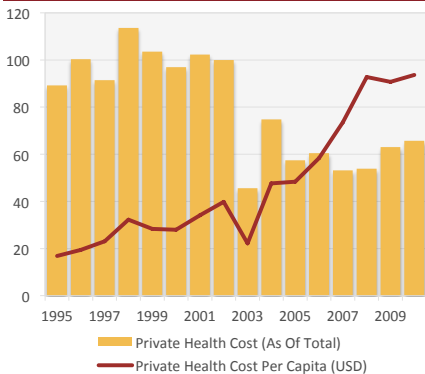
HEALTH CARE EXPENDITURES (AS OF GDP)



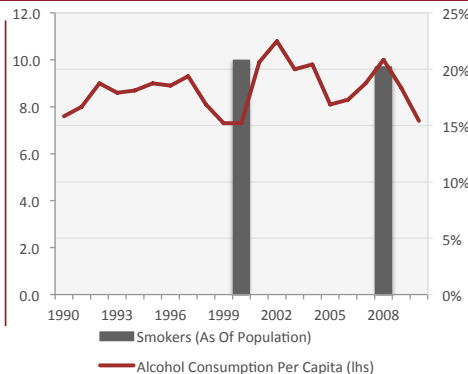
HEALTH CARE PENETRATION (2009-2010)



PRIVATE HEALTH CARE CONTRIBUTION

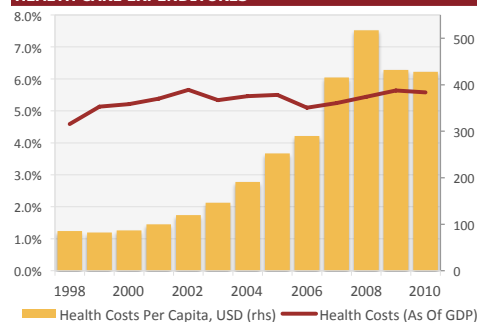


LIFESTYLE (BAD HABITS)

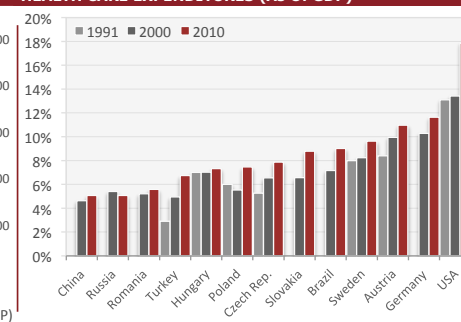


Source: World Bank, National Statistical Office, OECD, United Nations, Helgi Analytics calculation

HEALTH CARE EXPENDITURES

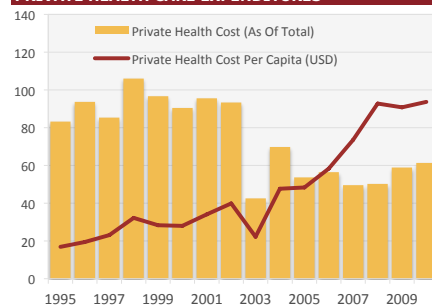


HEALTH CARE EXPENDITURES (As Of GDP)

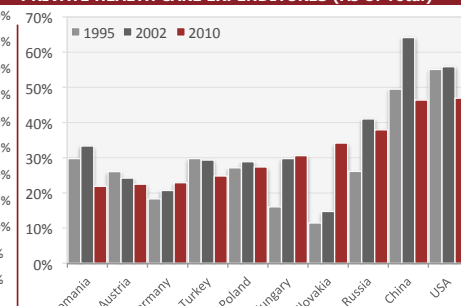


Total healthcare expenditures have risen from less than 1% in the 1990s to around 6% of GDP in 2010, in line with Romania's peers in the region. However, this means only around USD 400 per capita in absolute terms, compared to USD 5,000 in the EU15 or over USD 7,000 in the USA. Romanians have one of the highest out-of-pocket contributions among CEE countries, though their contribution compared to public sources has been declining.

PRIVATE HEALTH CARE EXPENDITURES

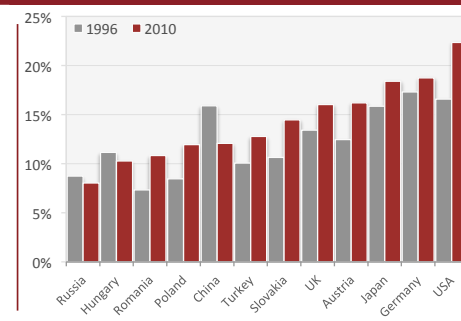
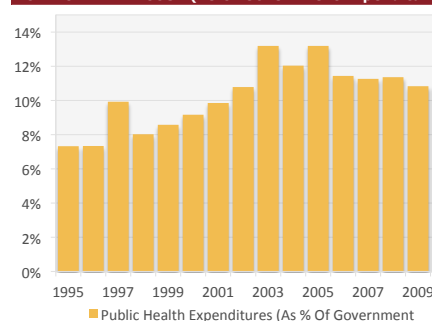


PRIVATE HEALTH CARE EXPENDITURES (As Of Total)



Following the implementation of a mandatory social health insurance system in 1998 and further reforms in the following years, the share of private expenditures has dropped from over 30% to around 20% of total health care expenditures now. Still, Romanians have one of the highest out-of-pocket contributions among CEE countries as health care coverage remains substandard, especially outside the main cities.

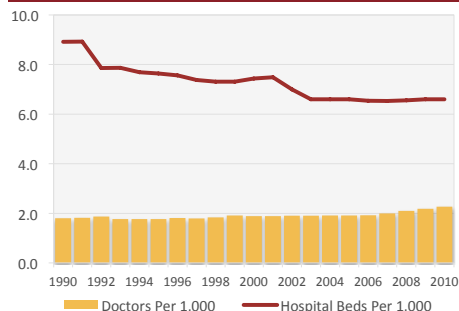
PUBLIC HEALTH COST (As Of Government Expenditures)



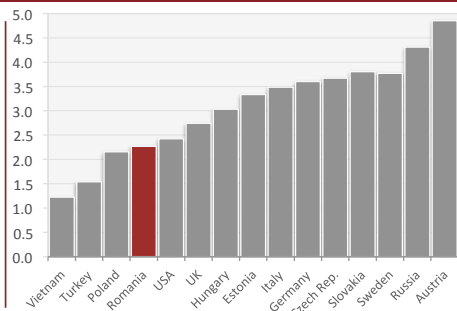
Public healthcare costs have represented around 11% of total government expenditures over the last decade. Following the hefty increase during the reforms in 1990s, the share has been gradually declining in recent years as the government has been cutting expenditures across the board as part of its austerity measures.

Source: World Bank, National Statistical Office, United Nations, OECD, Helgi Analytics calculation

PHYSICIANS & HOSPITAL BEDS PER 1,000 PEOPLE

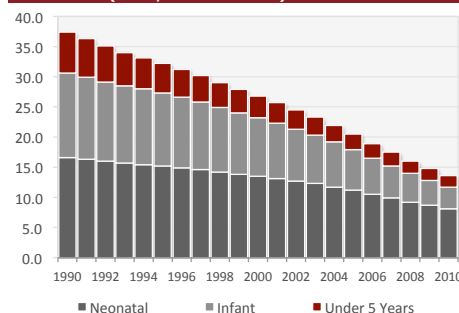


PHYSICIANS PER 1,000 PEOPLE (2010)

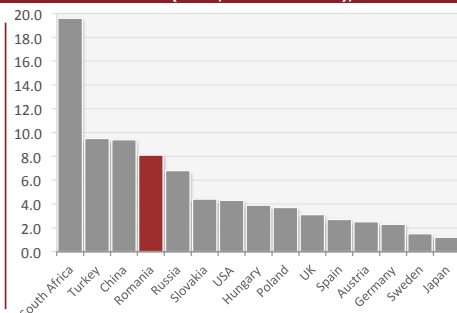


Compared to most EU member states, the Romanian healthcare system is sub-standard. Although a mandatory social health insurance system was adopted in 1998, there can still be a shortage of basic medical supplies, especially outside the main Romanian cities, and maternal health care is still not provided to a third of women, while neonatal mortality remains twice as high as in the more developed Central European countries.

MORTALITY (Per 1,000 Live Births)

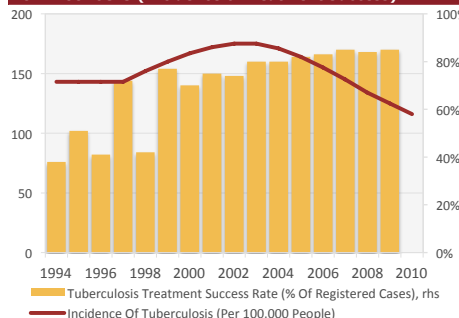


INFANT MORTALITY (Per 1,000 Live Births), 2010

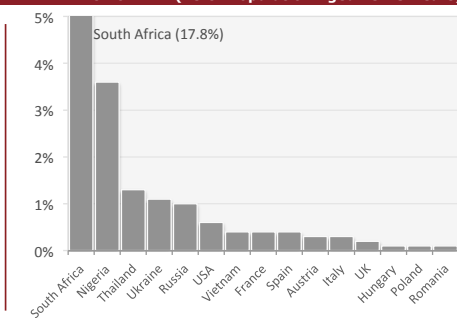


Despite the fact that Romania lags behind most of the CEE countries in terms of the quality of health care, the country has made great progress over the last two decades. For example, child mortality has fallen from 37 per 1,000 births in 1990 to 13 in 2010. According to UNICEF's research, half of the women who died during delivery did not benefit from any pre-natal care, so plenty of room for further improvement remains.

TUBERCULOSIS (Incidence & Treatment Success)



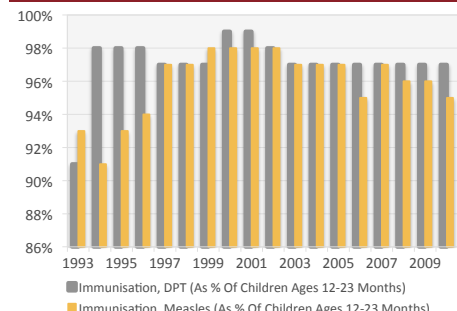
PREVALENCE OF HIV (As Of Population Aged 15-49 Years)



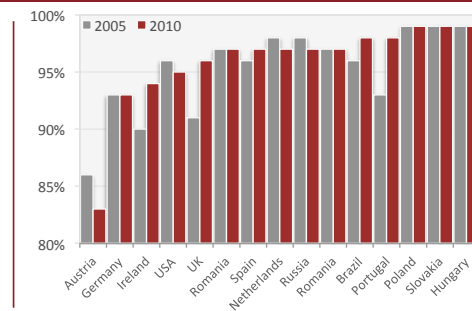
Tuberculosis rose steadily in Romania from the mid-1980s, accelerating after the revolution in 1989 to reach a peak of 31,000 new cases in 2003, reflecting increased migration, unemployment and social problems at a time of transition. It has been declining since, but it still remains the highest absolute number of cases anywhere in the EU, and the largest in the broader European region after Russia and Ukraine.

Source: World Bank, National Statistical Office, United Nations, OECD, Helgi Analytics calculation

IMMUNISATION

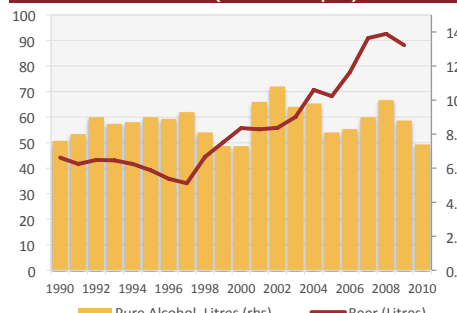


IMMUNISATION (DPT, As Of Children 12-23 Months)

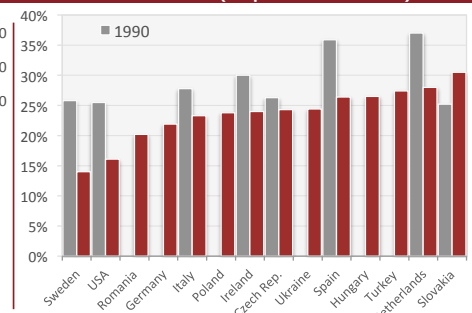


Children's vaccination was compulsory in Romania (and the whole Soviet Bloc before 1989), so no wonder the whole of Central Europe shows a very high percentage of children vaccinated against the most common diseases. The ratio often approaches 100% in most of the CEE countries and is higher than in Western Europe, where compulsory vaccination has been less strict.

ALCOHOL CONSUMPTION (Litres Per Capita)

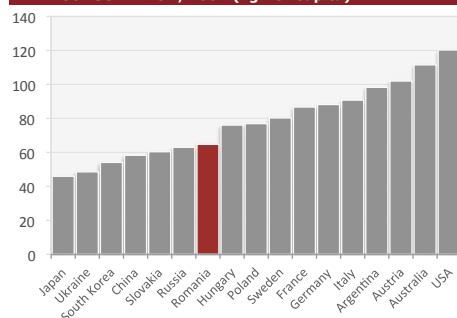


TOBACCO CONSUMPTION (Proportion Of Smokers)

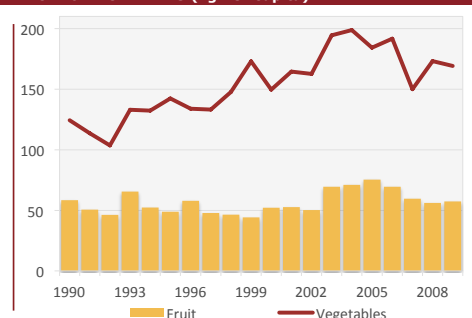


Romanians drink around 8 litres of pure alcohol per capita a year, according to official statistical sources, which puts them roughly into the middle of the EU. While the consumption of wine remains high and stable at around 20 litres per person, the consumption of beer has doubled over the last decade, to around 90 litres a year.

MEAT CONSUMPTION, 2007 (kg Per Capita)



FRUIT & VEGETABLES (kg Per Capita)



While the consumption of meat declined after the collapse of the Soviet Bloc in 1989, the trend turned at the turn of the century as Romanians have been increasingly benefiting from the growing economy and improving living standards. In 2010, 65 kg was consumed per person, still 12% less than in 1990. The decline in the consumption of meat has been replaced by an increased demand for vegetables.

Source: World Bank, National Statistical Office, United Nations, OECD, Faostat, Helgi Analytics calculation

POPULATION		2003	2004	2005	2006	2007	2008	2009	2010	2011
Population	<i>mil</i>	21.7	21.7	21.6	21.6	21.5	21.5	21.5	21.4	21.4
Persons Per Household	<i>persons</i>	2.98	2.99	2.99	3.00	2.99	3.00	3.01	3.01	3.02
Share Of Population (0–14 Years Of Age)	%	17%	16%	16%	15%	15%	15%	15%	15%	15%
Share Of Population (15–64 Years Of Age)	%	69%	69%	70%	70%	70%	70%	70%	70%	70%
Share Of Population (65+ Years Of Age)	%	14%	15%	15%	15%	15%	15%	15%	15%	15%
Median Age	<i>years</i>	35.9	36.3	36.7	37.0	37.4	37.7	38.1	38.4	38.7
Old Age Dependency Ratio	%	21%	21%	21%	21%	21%	21%	21%	21%	22%
Youth Dependency Ratio	%	24%	23%	22%	22%	22%	22%	22%	22%	22%
Life Expectancy, both sexes	<i>years</i>	71.3	71.6	71.9	72.2	72.6	72.6	73.3	73.5	
Life Expectancy, female	<i>years</i>	75.1	75.3	75.6	75.8	76.1	76.1	77.1	77.3	
Life Expectancy, male	<i>years</i>	67.7	68.0	68.4	68.7	69.2	69.2	69.7	69.8	
Life Expectancy At 65, both sexes	<i>years</i>	14.6	14.9	15.0	15.2	15.6	15.8	15.8	15.8	
Life Expectancy At 65, female	<i>years</i>	15.9	16.2	16.2	16.5	16.9	17.2	17.3	17.3	
Life Expectancy At 65, male	<i>years</i>	13.1	13.4	13.4	13.6	14.0	14.1	14.1	14.1	

HEALTH CARE		2003	2004	2005	2006	2007	2008	2009	2010	2011
Health Expenditure, Total (Current USD)	<i>USD mil</i>	3,172	4,140	5,453	6,256	8,946	11,114	9,271	9,170	
Total Health Expenditures (As % Of GDP)	%	5.3%	5.5%	5.5%	5.1%	5.2%	5.4%	5.6%	5.6%	
Total Health Expenditures Per Capita	<i>USD</i>	146	191	252	290	415	517	432	428	
Public Health Expenditures (As % Of Total)	%	83%	74%	80%	80%	82%	82%	79%	78%	
Public Health Expenditures Per Capita	<i>USD</i>	121	141	202	231	341	424	341	334	
Private Health Expenditures (As % Of Total)	%	15%	25%	19%	20%	18%	18%	21%	22%	
Private Health Expenditures Per Capita	<i>USD</i>	22	48	48	58	74	93	91	94	
Public Health Expenditures (As Of Gov. Costs)	%	13.2%	12.0%	13.2%	11.4%	11.3%	11.4%	10.8%	10.8%	
Persons Per Doctor (Physician)	<i>persons</i>									
Number Of Hospital Beds	<i>beds</i>	142,676	142,029	142,377	142,034	138,025	138,184	138,915	132,004	128,501
Hospital Beds Per 1,000 People	<i>beds</i>	6.6		6.6	6.5			6.6		
Total Fertility Rate (Live Births Per Woman)	<i>children</i>	1.27	1.29	1.32	1.32	1.30	1.35	1.38	1.38	
Mean Age Of Woman At Birth Of First Child	<i>years</i>	24.3	24.6	24.9	25.2	25.3	25.5	25.6	26.0	
Total Births	<i>mil</i>	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.21	
Births Attended By Health Staff (As % Of Total)	%		0.99	0.98	0.98	0.99	0.99	0.99		
Neonatal Mortality (Per 1,000 Live Births)	<i>per '000</i>	12.3	11.7	11.2	10.5	9.9	9.2	8.7	8.1	
Infant Mortality (Per 1,000 Live Births)	<i>per '000</i>	20.3	19.2	17.9	16.5	15.2	14.0	12.8	11.7	10.8
Mortality Rate, Under 5 Years (Per 1,000 Live Births),per '000	<i>per '000</i>	23.3	21.9	20.5	18.9	17.5	16.0	14.8	13.6	
Immunisation, DPT (As % Of Children Aged 12-23 Months)		97%	97%	97%	97%	97%	97%	97%	97%	
Immunisation, Measles (As % Of Children Aged 12-23 Months)		97%	97%	97%	95%	97%	96%	96%	95%	
Immunisation, BCG (As % Of One-Year-Old Children)		99%	99%	98%	99%	99%	99%	99%	99%	
Immunisation, HepB3 (As % Of One-Year-Old Children)		98%	99%	98%	99%	99%	97%	95%	98%	
Immunisation, Pol3 (As % Of One-Year-Old Children)		97%	97%	97%	97%	96%	96%	96%	96%	
Prevalence Of HIV, Total (As % Of Population Aged 15-49)		0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%		
Incidence Of Tuberculosis (Per 100,000 People)	<i>per '000</i>	175	171	164	155	145	134	125	116	
Tuberculosis Case Detection Rate (% , All Forms)	%	74%	77%	73%	72%	72%	75%	78%	74%	
Tuberculosis Treatment Success Rate (% Of Registered Cases)		80%	80%	82%	83%	85%	84%	85%		

HOUSEHOLD CONSUMPTION		2003	2004	2005	2006	2007	2008	2009	2010	2011
Pure Alcohol Consumption Per Capita	<i>litres</i>	9.6	9.8	8.1	8.3	9.0	10.0	8.8	7.4	
Wine Consumption Per Capita	<i>litres</i>	22.5	20.9	19.7	24.8	25.3	26.2	22.6	21.9	
Beer Consumption Per Capita	<i>litres</i>	60	71	68	78	91	93	88		
Cigarette Consumption Per Capita	<i>cigarettes</i>	1,724	1,583	1,412	1,447	1,423	1,386	1,079	1,196	
Tobacco Consumption Per Capita	<i>grammes</i>									
Smokers As Of Population, +15 Years	%					20.2%				
Smokers As Of 15-24 Year-Old-Population	%					11.9%				
Overweight Population As Of Total	%									
Meat Consumption Per Capita	<i>kg</i>	60.2	54.0	63.5	62.6	62.6	61.5	64.7		
Fish Consumption Per Capita	<i>kg</i>	3.90	4.20	5.20	5.60	5.40	5.40	5.40		
Milk And Dairy Products Consumption Per Capita	<i>kg</i>	213	228	228	236	238	239	238		
Cheese Consumption Per Capita	<i>kg</i>	2.2	2.3	2.7	3.1	4.8	5.3	5.4		
Oil And Fat Consumption Per Capita	<i>kg</i>	12.6	11.3	12.6	15.2	12.7	13.1	10.2	11.0	
Fruit Consumption Per Capita	<i>kg</i>	69.4	71.1	75.4	69.5	59.6	56.1	57.4		
Vegetables Consumption Per Capita	<i>kg</i>	195	199	184	192	150	173	169		

Source: National Statistical Office, World Bank, Eurostat, United Nations, OECD, Faostat and Helgi Analytics calculation. For more details, description and explanation of particular indicators, please, visit www.helgilibrary.com

MACROECONOMIC ROUND-UP		2003	2004	2005	2006	2007	2008	2009	2010	2011
GDP	<i>USD bil</i>	59.5	75.5	98.9	122.6	169.3	200.1	161.1	161.6	179.8
GDP Growth	%	5.2%	8.4%	4.2%	7.9%	6.0%	9.4%	-8.5%	1.0%	-0.4%
GDP Per Capita	<i>USD</i>	2,737	3,481	4,572	5,681	7,856	9,300	7,500	7,539	8,405
Industrial Production Growth	%	-0.8%	2.7%	-3.1%	9.3%	10.4%	2.6%	-5.5%	5.5%	
Retail Sales Growth	%									
Government Budget Balance (As % Of GDP)	%	-1.5%	-1.2%	-1.2%	-2.2%	-2.5%	-5.4%	-7.4%	-6.8%	
Public Debt (As % Of GDP)	%	21%	19%	18%	13%	13%	14%	24%	31%	33%
Unemployment Rate	%	7.4%	6.3%	5.9%	5.2%	4.0%	4.4%	7.8%	7.0%	5.2%
Gross Average Monthly Wage	<i>USD</i>	202	253	336	412	578	708	607	611	724
Foreign Debt (As % Of GDP)	%	38%	39%	39%	44%	50%	50%	74%	76%	
Imports (As % Of GDP)	%	42%	45%	43%	39%	43%	44%	40%	30%	29%
Exports (As % Of GDP)	%	35%	36%	33%	30%	31%	31%	33%	24%	22%
Current Account Balance (As % Of GDP)	%	-5.6%	-8.5%	-8.6%	-10.4%	-13.4%	-11.6%	-4.2%	-4.5%	-4.4%
Foreign Exchange Reserves (Including Gold)	<i>USD bil</i>	9.4	16.1	21.6	30.2	40.0	39.8	44.4	48.0	48.0
Foreign Exchange Reserves (As % Of Imports)	%	38%	47%	50%	64%	55%	45%	69%	100%	92%
Foreign Direct Investments	<i>USD bil</i>	1.8	6.4	6.9	11.5	10.3	13.8	4.9	3.2	2.6
Foreign Direct Investments (As % Of GDP)	%	3.1%	8.5%	6.9%	9.3%	6.1%	6.9%	3.1%	2.0%	1.4%
Foreign Direct Investments (As % Of CA Deficit)	%	56%	101%	81%	90%	45%	59%	73%	45%	32%
Workers' Remittances, Received (As % Of GDP)	%	0.2%	0.2%	4.8%	5.4%	5.0%	4.6%	3.0%	2.4%	2.2%
Portfolio Investments (As % Of GDP)	%	1.0%	-0.7%	1.0%	-0.2%	0.4%	-0.4%	0.5%	0.8%	1.4%
Development Assistance (As % Of GDP)	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

INFLATION, FOREX & INTEREST RATES		2003	2004	2005	2006	2007	2008	2009	2010	2011
Inflation, CPI (Average)	%	15.3%	11.9%	9.0%	6.6%	4.8%	7.8%	5.6%	6.1%	5.8%
Long-Term Interest Rate (10-Year Gov. Bond Yield)	%	0.0%	0.0%	0.0%	7.2%	7.1%	7.7%	9.7%	7.3%	0.0%
Short-Term Interbank Interest Rate (3-Month)	%	17.7%	19.1%	8.4%	8.1%	7.2%	12.3%	11.3%	6.5%	0.0%
Interest Spread To USD, 10-Year Gov. Bond	%	-4.0%	-4.3%	-4.3%	2.4%	2.5%	4.0%	6.4%	4.1%	-2.8%
Interest Spread To USD, 3M IBOR	%	16.6%	17.6%	4.8%	2.9%	2.0%	9.1%	10.4%	6.0%	-0.4%
FX Rate To USD (Average)	<i>per USD</i>	3.32	3.26	2.91	2.81	2.44	2.52	3.05	3.18	3.05
FX Rate To EUR (Average)	<i>per EUR</i>	3.75	4.05	3.62	3.52	3.34	3.68	4.24	4.21	4.24

Source: National Statistical Office, National Central Bank, World Bank, Eurostat, United Nations and Helgi Analytics calculation. For more details, description and explanation of particular indicators, please, visit www.helgilibrary.com

ABOUT HELGI ANALYTICS

Helgi Analytics is a consulting company based in the Czech Republic. The company mainly provides consultancy in the area of financial services and real estate and focuses primarily on the region of Central and Eastern Europe.

Helgi Analytics also runs a web application called Helgi Library, which is a database/library offering data and analyses on more than 95% of the world's economy and population. The Library aims to bring interesting statistical data and analyses to a wide audience under affordable conditions. If you wish to get more details, please visit www.helgilibrary.com or contact us at info@helgianalytics.com.

Helgi Analytics

Eliasova 38, Prague 6
160 00, Czech Republic
www.helgianalytics.com

DISCLAIMER

© 2012, HELGI ANALYTICS LTD. ALL RIGHTS RESERVED. All information contained herein is protected by Copyright Law and no such information may be copied or otherwise reproduced, in whole or in part, in any form or manner, by any Person or Company without Helgi Analytics' prior written consent. All information contained herein is obtained by Helgi Analytics from sources believed by it to be accurate and reliable. Because of the possibility of human and mechanical error, as well as other factors, however, all information contained herein is provided without warranty of any kind. Under no circumstances is Helgi Analytics under any liability to any person or entity for any loss or damage caused by any error, or other circumstance or contingency within or beyond the control of Helgi Analytics or any of its directors, employees, or agents in connection with the procurement, collection, compilation, analysis, interpretation, communication, publication, or delivery of any such information, or any direct or indirect damages whatsoever. The financial reporting, analysis, projections, observations, and other information contained herein are, and must be construed solely as, statements of opinion and not statements of fact or recommendations to purchase, sell, or hold any securities.