

A comparison of purchasing power around the globe / 2006 edition

Prices and Earnings

Price comparison

Oslo, London and Copenhagen the most expensive cities

Wage comparison

Scandinavian and Swiss salaries the highest

Analysis

Income and leisure: two differently valued elements of prosperity





2006 edition **Prices and Earnings** Moscow A comparison of purchasing power around the globe Tel Aviv Delhi Manama Taipei Hong Kong Mumbai Kuala Lumpur Singapore Nairobi Johannesburg Sydney Auckland

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Dear reader,

Why is a refrigerator relatively expensive in Nairobi? How much longer do people in the USA work as compared to Europeans? Even today, answering these kinds of questions with the help of the prices for 122 goods and services, and earnings data for 14 professions in 71 metropolises and economic centers around the globe, is a demanding and somewhat eccentric project. Thanks to the Internet, e-mail, an established network of contacts and UBS branch offices in almost all the world's larger cities, we at least can rely on efficient communications channels. It was a different world back in 1970, when the then-chief economist of UBS, after a trip to New York, came up with the idea of determining the "real" exchange rate for himself based on purchasing parity. In those days, all requests had to be sent by mail and it really could take several weeks for a questionnaire to make its way across the Atlantic. Phone calls and stamps were a hefty share of the budget. From this year's survey, we can see that telecommunication prices are continuing to drop around the world.

Even in a globalized world, price and wage comparisons are important, which is why you are now reading the thirteenth issue of "Prices and Earnings". Price comparisons are above all interesting to tourists and business travelers. Companies with subsidiaries or production sites abroad send qualified employees, expatriates, out from the parent company and they increasingly employ local specialists. They need a basis to determine their wages. There is a difference in many places between local market-driven wages and those adjusted for purchasing power. The level of earnings alone gives little indication of what those earnings can buy. This can only be seen after comparing purchasing power, a process which establishes a link between prices and earnings. There are limits to comparability, however. Prices often differ even within the city limits depending on location and conditions – but also based on the person surveying the prices. In emerging countries, expatriates are often confronted with far higher prices than locals – because they don't speak the language, don't know their way around the city or simply buy different things. We have tried to take all this into consideration, and to determine an average price level in each case by commissioning our survey from several independent – local as well as foreign – correspondents. Local UBS staff and independent organizations, including partner banks, chambers of commerce, universities, the student organization AIESEC and several private individuals gathered a total of over 30,000 data records. We extend our warm thanks to everyone who took part in the survey.

The remarkable consistency of "Prices and Earnings" over the last 36 years means we can now analyze data over time. In this year's issue we examine whether the convergence process has continued in an EU enlarged by ten new members. We also explore the hypothesis of the "hardworking American and the idle European." As a matter of fact, there do seem to be differences in the way the trade-off between more money and more leisure is valued on different sides of the Atlantic. New this year: Beijing, Delhi, Lyon and Munich have joined our urban universe.

Andreas Hoefert Chief Global Economist Simone Hofer Editor-in-Chief

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Prices and Earnings 2006

Prices and Earnings methodology

We conducted our standardized Prices and Earnings survey in 71 cities throughout the world between February and April 2006. In each city, surveys were conducted independently.

When interpreting the results, a number of factors should be considered. All price information gathered had to be converted into a universal currency, making such data subject to fluctuating exchange rates. To properly account for the effect of currency rate movements, the average exchange rates for individual currencies over the data collection period were applied. The exchange rates used are listed on page 12.

Composition of the reference basket

To perform a price comparison, it is necessary to define a standard basket of goods. The basket of goods used in our study is based on Western European consumer preferences and is weighted identically for all cities. It would be nearly impossible to take into differing regional consumer preferences, and this consideration should be kept in mind when evaluating results. It was also necessary to allow our local correspondents a certain amount of latitude in selecting products and services, even though individual items are delineated precisely.

The cost of living is calculated on the basis of a basket of goods containing 154 items involving 122 separate products and services. For apartment rents, pricing data for the expensive, medium and cheap categories was gathered. The weightings within the basket of goods were set so that when multiplied by the average prices for specific goods and services they approximate the monthly consumption of an average European family. Since the basket of goods we assembled only encompasses a limited selection of goods and services, however, we then weighted the individual product and service groups to correspond percentage-wise to the structure of the European consumer price index.

Even though the same basket of goods was used for all cities, price differences among cities result in the make-up of average expenditures. For example, rent expenses in most Asian cities are strikingly above those in our theoretical basket of goods, even though other expense categories tend to be below average there. Additionally, individual goods in different cities may vary substantially in quality and, with apartments, the attractiveness of the location. Furthermore, not everything in our basket of goods is available everywhere. To avoid skewing price levels when items were not available, the ratio of the price of other items in the basket to average prices was extrapolated.

Changing consumer preferences

The universal surveying of pricing data over time is a prerequisite for data comparability. The basket of goods used in the "Prices and Earnings" report has been largely unchanged over the last several years in its basic structure, with only minor adjustments necessary to reflect changing consumer lifestyles and preferences

for goods and services. A sewing machine today no longer belongs in a modern (Western European) basket of goods, for example, whereas a PC most certainly does. In 2006, we expanded the services segment to include seven new items in the categories of education/training, recreation, sports and entertainment. The individual expense groups are now weighted in the basket of goods as follows:

| Food/groceries | 18% |
|----------------------------------|-----|
| Beverages/tobacco products | 5% |
| Hygiene and healthcare | 7% |
| Clothing | 6% |
| Household and electronic devices | 7% |
| Home | 18% |
| Heating/lighting | 5% |
| Transportation | 14% |
| Miscellaneous services | 20% |

Occupations and incomes

The survey featured 120 questions on wages, payroll taxes and working hours for 14 separate occupations. To ensure data integrity and reflect a representative cross-section of workers in the industrial and service sectors, the occupations were selected with a view to being consistently definable and delimitable. The wage levels calculated represent an average which tends to somewhat underweight the service sector in Western industrialized countries. It must also be taken into consideration that the survey does not include self-employed or independent contractor occupations. The survey was conducted with a representative sample of companies, and occupational profiles were defined with maximum specificity (marital status, work experience, etc.). Unless otherwise specified, income data represents wages paid to domestic workers for the respective country. The weightings were structured so that each of the 14 occupations adds in roughly equal proportions to the computation of average income levels. See page 40-47 for detailed information on wages and working hours.

Overview

Thomas Flury, Simone Hofer, Georg Klein-Siebenbürgen

Prices

| City ¹ | Excl. rent New York = 100 | Incl. rent New York = 100 |
|-----------------------|------------------------------|------------------------------|
| Oslo | 121.5 | 94.6 |
| London | 110.6 | 105.5 |
| Copenhagen | 109.2 | 86.3 |
| Zurich | 107.4 | 87.3 |
| Tokyo Geneva | 106.8 102.9 | 93.4 85.8 |
| New York | 100.0 | 100.0 |
| Dublin | 98.3 | 84.3 |
| Stockholm | 98.1 | 75.8 |
| Helsinki | 97.0 | 77.3 |
| Paris | 95.6 | 78.1 |
| Vienna | 95.0 93.3 | 74.0 76.6 |
| Luxembourg Chicago | 92.2 | 82.2 |
| Los Angeles | 91.6 | 80.6 |
| Toronto | 88.5 | 71.4 |
| Brussels | 88.4 | 68.5 |
| Munich | 88.4 | 71.2 |
| Amsterdam | 87.7 | 73.0 |
| Montreal | 87.5 | 71.2 |
| Lyon Miami | 87.2 87.0 | 66.0 70.5 |
| Frankfurt | 86.9 | 69.3 |
| Seoul | 85.8 | 73.9 |
| Milan | 83.1 | 68.5 |
| Berlin | 82.3 | 64.4 |
| Hong Kong | 82.1 | 73.0 |
| Barcelona | 81.5 | 65.6 |
| Rome Sydney | 81.3 80.4 | 67.6 69.0 |
| Madrid | 80.0 | 66.2 |
| Singapore | 76.6 | 62.9 |
| Istanbul | 76.3 | 61.6 |
| Nicosia | 74.7 | 66.2 |
| Auckland | 74.4 | 60.6 |
| Dubai Athens | 74.0 73.0 | 66.1 57.4 |
| Lisbon | 72.3 | 62.1 |
| Tel Aviv | 69.2 | 55.2 |
| Taipei | 68.9 | 57.2 |
| Moscow | 65.6 | 56.8 |
| Sao Paulo | 65.1 | 53.6 |
| Rio de Janeiro | 64.8 | 55.1 |
| Ljubljana Manama | 64.4 64.0 | 48.7 54.8 |
| Warsaw | 63.7 | 49.5 |
| Caracas | 63.4 | 52.8 |
| Santiago de Chile | 63.1 | 54.3 |
| Tallinn | 62.0 | 48.6 |
| Mexico City | 60.7 | 49.2 |
| Johannesburg | 59.7 | 47.2 |
| Budapest Bogotá | 58.6 56.9 | 46.7 42.3 |
| Bangkok | 55.3 | 41.0 |
| Prague | 53.8 | 42.6 |
| Riga | 52.7 | 40.2 |
| Jakarta | 51.8 | 44.4 |
| Bucharest | 51.6 | 43.3 |
| Bratislava | 50.4 | 39.6 |
| Shanghai Sofia | 50.3 50.1 | 39.3 40.0 |
| Beijing | 49.6 | 39.6 |
| Vilnius | 49.4 | 37.7 |
| Lima | 49.1 | 35.9 |
| Nairobi | 48.4 | 39.7 |
| Kiev | 47.8 | 40.6 |
| Manila | 46.7 | 35.2 |
| Delhi | 42.8 | 34.6 |
| Buenos Aires | 41.9 | 32.1 41.5 |
| Mumbai | 38.5 | 41.5 |

Life is expensive in London, New York and Oslo

Oslo, London and Copenhagen are the three most expensive cities in our comparison of living costs in 71 metropolises. Including rent, which makes up around a fourth (housing and energy costs) of living expenses in a Western European household, London and New York are the most expensive places to live by a wide margin. It's no wonder that their residents often tolerate extreme commutes in order to find affordable housing. The cheapest cities we examined in our basket of 95 goods and 27 services – around a third less than the Western European average – were in Africa and Eastern Europe.

Prices vary within city limits as well

How is it possible that Hong Kong has slipped to the median price range in three years? And also the two other Chinese cities - Shanghai and Beijing - are no higher in the rankings than three years ago, either, despite the country's impressive economic growth. One reason for this is certainly that China won't subject its own currency to free market forces, since a revaluation of the renminbi could have a negative affect on the competitiveness of its export industry. Yet the price data from Hong Kong and Shanghai also show that the price of food, services and household goods can vary widely within city limits. Prices may differ depending on the part of town, but also on the person who collects the data. An Asian economics student "saved" around 10 percent compared to our local employees, and even more compared to European expatriates working in Hong Kong. There is more than one price level – this applies to most cities. Our shopping basket reflects the average consumption patterns of a average family living in the West. The effective cost of living in one city may vary considerable depending on the area, lifestyle or life cycle.

Methodology

The cost of a weighted shopping basket geared to Western European consumer habits containing 122 goods and services.

36.8

28.2

Kuala Lumpur

¹ Listed according to value of index (price level without rent).

Earnings highest in Copenhagen, Oslo and Switzerland

In our international comparison, North American workers earn the highest wages, with workers in Western Europe close at their heels. In general, however, European net earnings are significantly below the disposable incomes levels enjoyed by Americans, due to higher taxes and social security contributions. One noteworthy exception to this trend is Ireland, which has relatively low payroll taxes. Less surprising is the fact that South Americans and Africans receive comparatively low compensation on average for the work they perform; pay in developing and emerging market countries is only a fraction of that in the industrialized nations.

The highest gross wages are paid in Scandinavia – Copenhagen and Oslo – followed by Switzerland, whose citizens also enjoy lower payroll tax deductions. Nowhere in the world do workers get more from their pay than in Zurich after mandatory deductions. But a net salary is not necessarily fully available for private consumption: there may be further "hidden" costs in our cities that are not covered by basic taxes and social contributions (see box on page 29). Within Europe alone there are dramatic differences in wage and salary levels. In Sofia, the capital of Bulgaria, wages are similar to those paid in India or Kenya. Wage inequalities between Eastern and Western Europe are a double-edged concern: workers from the East are moving to the West in search of higher pay, while new manufacturing capacity is being added in the East to take advantage of the much lower wages there.

Compared with the survey taken three years ago, little has changed among the top-ranked cities in terms of highest gross pay, except for the inclusion now of London among the world's Top Ten. The lowest average wages can still be found in Manila, Delhi, Mumbai, Jakarta and Bangkok.

Wage levels

| Cir.1 | Gross | Net |
|---------------------------------|-------------------------|------------------------|
| City ¹ Copenhagen | New York = 100 118.2 | New York = 100 95.7 |
| Oslo | 117.0 | 110.8 |
| Zurich | 115.1 | 124.2 |
| Geneva | 111.0 | 115.4 |
| New York London | 100.0 89.2 | 100.0 96.0 |
| Chicago | 88.3 | 96.0 |
| Dublin | 88.3 | 104.6 |
| Frankfurt | 87.6 | 85.5 |
| Brussels | 86.8 | 78.2 |
| Los Angeles Munich | 86.3 84.9 | 97.0 84.5 |
| Helsinki | 84.9 | 89.1 |
| Berlin | 84.3 | 82.1 |
| Luxembourg | 84.0 | 98.1 |
| Stockholm | 80.7 | 77.0 |
| Vienna Tokyo | 78.7 78.0 | 81.2 87.4 |
| Amsterdam | 77.0 | 72.7 |
| Sydney | 74.6 | 79.6 |
| Toronto | 74.2 | 80.4 |
| Montreal | 74.1 | 77.3 |
| Lyon | 69.0 68.5 | 70.5 68.8 |
| Miami | 67.6 | 74.0 |
| Auckland | 65.7 | 73.4 |
| Barcelona | 57.6 | 66.6 |
| Milan | 56.1 | 59.9 |
| Nicosia | 55.4 | 69.5 |
| Madrid Rome | 53.9 47.0 | 64.3 49.7 |
| Seoul | 44.2 | 48.2 |
| Athens | 42.8 | 48.6 |
| Dubai | 40.6 | 57.8 |
| Johannesburg | 36.5 | 37.3 |
| Taipei Lisbon | 35.5 33.2 | 43.3 38.6 |
| Singapore | 32.3 | 38.9 |
| Ljubljana | 31.3 | 28.3 |
| Hong Kong | 27.4 | 34.9 |
| Manama Istanbul | 26.2 25.0 | 36.6 25.9 |
| Sao Paulo | 25.0 | 25.9 |
| Prague | 24.4 | 25.8 |
| Santiago de Chile | 21.2 | 24.3 |
| Tallinn | 20.5 | 22.1 |
| Budapest Moscow | 20.0 19.9 | 20.0 25.4 |
| Warsaw | 19.3 | 18.4 |
| Rio de Janeiro | 18.6 | 21.2 |
| Bratislava | 16.6 | 18.7 |
| Vilnius | 15.9 | 15.4 |
| Kuala Lumpur Buenos Aires | 15.7 15.4 | 18.8 18.0 |
| Riga | 14.4 | 15.3 |
| Caracas | 14.2 | 18.7 |
| Lima | 13.7 | 15.8 |
| Bucharest | 13.1 | 13.2 |
| Shanghai Mexico City | 11.5 10.9 | 13.1 14.1 |
| Bogotá | 10.9 | 13.0 |
| Kiev | 9.6 | 11.6 |
| Nairobi | 9.3 | 11.1 |
| Sofia | 9.3 | 10.2 |
| Beijing Bangkok | 8.9 8.1 | 10.9 10.9 |
| Mumbai | 7.0 | 8.7 |
| Jakarta | 6.3 | 8.2 |
| Manila | 6.3 | 7.8 |
| Delhi | 6.1 | 7.8 |
| Tel Aviv | n.a. | n.a. |

Methodology

Effective hourly wages for 14 professions, weighted according to distribution, net after deductions of taxes and social security contributions (see p. 26).

¹ Listed according to gross value of the index.

Domestic purchasing power

| | Hourly | Hourly | Annual |
|----------------------------|---------------------------|-------------------------|----------------------------|
| | pay ¹ gross | pay ¹ net | income ² net |
| City ³ New York | 9 | | New York = 100 |
| Zurich | 107.1 | 115.6 | 114.1 |
| Geneva | 107.9 | 112.1 | 107.1 |
| Dublin | 89.8 | 106.5 | 99.9 |
| Los Angeles | 94.2 | 105.9 | 110.7 |
| Luxembourg | 90.0 | 105.1 | 89.1 |
| Chicago New York | 95.8 100.0 | 102.8 | 108.0 100.0 |
| Berlin | 102.4 | 99.7 | 77.3 |
| Sydney | 92.8 | 99.0 | 88.5 |
| Auckland | 88.3 | 98.7 | 90.3 |
| Frankfurt | 100.8 | 98.5 | 87.1 |
| Munich | 96.1 | 95.5 | 86.2 |
| Nicosia Helsinki | 74.1 87.5 | 93.0 91.8 | 86.5 78.4 |
| Oslo | 96.3 | 91.0 | 81.6 |
| Toronto | 83.9 | 90.9 | 87.4 |
| Brussels | 98.1 | 88.4 | 80.1 |
| Montreal | 84.7 | 88.4 | 85.9 |
| Copenhagen | 108.2 | 87.7 | 79.2 |
| London | 80.6 | 86.8 | 84.0 |
| Vienna Miami | 82.9 77.7 | 85.5 85.1 | 76.3 84.0 |
| Amsterdam | 87.8 | 82.8 | 75.3 |
| Tokyo | 73.0 | 81.8 | 87.6 |
| Barcelona | 70.6 | 81.8 | 78.0 |
| Lyon | 79.1 | 80.8 | 68.3 |
| Madrid | 67.4 | 80.4 | 75.2 |
| Stockholm | 82.3 | 78.6 | 74.4 |
| Dubai Milan | 55.0 67.5 | 78.2 72.1 | 65.5 |
| Paris | 71.7 | 72.1 | 67.0 58.4 |
| Athens | 58.7 | 66.6 | 60.7 |
| Taipei | 51.5 | 62.9 | 71.0 |
| Johannesburg | 61.1 | 62.4 | 63.6 |
| Rome | 58.1 | 61.5 | 59.5 |
| Manama | 41.0 | 57.2 | 56.3 |
| Seoul Lisbon | 51.6 45.9 | 56.2 53.4 | 65.0 48.9 |
| Kuala Lumpur | 43.9 | 50.9 | 56.1 |
| Singapore | 42.1 | 50.8 | 54.9 |
| Prague | 45.3 | 48.0 | 46.3 |
| Sao Paulo | 37.9 | 44.5 | 41.3 |
| Ljubljana | 48.5 | 44.0 | 41.2 |
| Buenos Aires | 36.7 33.3 | 43.0 42.5 | 44.2 50.5 |
| Hong Kong Moscow | 30.4 | 38.8 | 34.4 |
| Santiago de Chile | | 38.5 | 42.9 |
| Bratislava | 32.8 | 37.0 | 35.5 |
| Tallinn | 33.2 | 35.6 | 33.7 |
| Budapest | 34.1 | 34.2 | 33.9 |
| Istanbul | 32.8 | 34.0 | 37.0 |
| Rio de Janeiro Lima | 28.6 28.0 | 32.7 32.2 | 30.4 32.8 |
| Vilnius | 32.3 | 31.2 | 29.7 |
| Caracas | 22.4 | 29.6 | 28.2 |
| Riga | 27.3 | 29.0 | 27.4 |
| Warsaw | 30.4 | 28.8 | 27.1 |
| Shanghai | 22.9 | 26.0 | 26.7 |
| Bucharest | 25.3 | 25.6 | 24.2 |
| Kiev Mexico City | 20.2 17.9 | 24.3 | 22.2 28.4 |
| Nairobi | 19.3 | 23.2 | 24.6 |
| Bogotá | 18.1 | 22.8 | 24.9 |
| Mumbai | 18.1 | 22.6 | 26.5 |
| Beijing | 18.0 | 22.0 | 23.8 |
| Sofia | 18.5 | 20.4 | 20.6 |
| Bangkok | 14.6 | 19.7 | 21.3 |
| Delhi Manila | 14.4 13.5 | 18.3 16.6 | 20.3 18.3 |
| Jakarta | 12.2 | 15.8 | 16.4 |
| ΤοΙ Ανίν | n a | n 2 | n n |

Purchasing power only slowly catching up

How much is a salary worth? An income figure alone gives no indication of how much it can buy. A worker in a Western European city can purchase our shopping basket approximately 13 times with his gross annual income. A mid-range annual salary in Eastern Europe or South America, however, is only enough for five baskets.

The most value is derived from the gross hourly wage – before taxes and social security contributions - in Copenhagen, Zurich, Geneva, Berlin and Frankfurt. Purchasing power in the emerging cities of Eastern Europe, Asia and South America, meanwhile, has not reached Western levels, in spite of high rates of economic growth in these regions. High economic growth rates reflect productivity improvements, and gains in labor productivity should – at least partially – be passed on to employees in the form of real earnings growth. In the present environment, it seems that the highly trained employees in Western cities were the main beneficiaries of the vigorous growth in the world economy over the last three years. In the newly industrialized countries, on the other hand, the growing supply of qualified jobs is still matched by an even greater demand. The emerging cities are growing quickly, but the flood of workers is keeping growth in wages in check for the time being. Purchasing power in the Asian cities looks slightly better when annual salaries are taken as a criterion instead of hourly wages. That's because low hourly rates can be offset at least partially by longer working hours (see our analysis of work and leisure time on page 36).

What's left after taxes is what counts

The ranking list takes another jolt when the buying power of net hourly wages is compared. With their high tax rates and social security contributions, Copenhagen and the German cities drop further back. After statutory deductions, people living in the Swiss cities, Dublin and Los Angeles have the most left over from their wages. However, it should be noted that benefits such as health insurance are not mandatory in all cities and is therefore not always included in the deductions for social services. Purchasing power in Asian and South American cities should also be effectively higher, since their residents tend to replace some of the items in our shopping basket, which is aligned to the habits of Western consumers, with less expensive local products and services.

Note

When comparing purchasing power, it should be noted that local employers who would buy a different set of items in Asian or African cities than their counterparts in Europe or North America. Imported products are particularly important, since as they are not much cheaper in emerging countries than they are in Western Europe and North America.

Methodology

¹ Gross and/or net hourly wage divided by the cost of the entire basket of commodities excl. rent.

² Net annual income divided by the cost of the entire basket of commodities excl.

³ Listed according to the index value per net hourly wage.

n.a. = not available

n.a.

n.a.

n.a.

Tel Aviv

Working time required to buy . . .

1 Big Mac 1kg of bread 1kg of rice City in minutes in minutes in minutes Amsterdam Athens Auckland Bangkok Barcelona Beijing Berlin Bogotá Bratislava Brussels Bucharest Budapest **Buenos Aires** Caracas Chicago Copenhagen Delhi Dubai Dublin Frankfurt Geneva Helsinki Hong Kong Istanbul Jakarta Johannesburg Kiev Kuala Lumpur Lima Lisbon Ljubljana London Los Angeles Luxembourg Lvon Madrid Manama Manila Mexico City Miami Milan Montreal Moscow Mumbai Munich Nairobi New York Nicosia Oslo Paris Prague Riga Rio de Janeiro Rome Santiago de Chile Sao Paulo Seoul Shanghai Singapore Sofia Stockholm Sydney Taipei Tallinn Tel Aviv n a n a n.a. Tokyo Toronto Vienna

35 minutes of work for a Big Mac

If the level of prices and wages were the same in all cities, and the production costs of a Big Mac, a kilo of rice or bread were the same everywhere, this comparison of purchasing power would make very dry reading. That's because everyone would have to work the same amount of time to earn the money to buy a Big Mac. This is, however, not the case. Our comparison shows that very different amounts of work are required around the world to earn the equivalent of one of these three products. On average, 35 working minutes are required for a Big Mac, 22 minutes for a kilo of bread and 16 minutes for a kilo of rice. The range is extensive, from just five minutes' work for a kilo of rice in London, Zurich and Sydney, to up to one and a half hours' of drudgery to buy a Big Mac with an average net hourly wage in Bogotá, Nairobi, Caracas and Jakarta. Compared to rice (and to the rest of the world), bread is expensive in Asia because it is not really counted as a staple food.

A clear picture of purchasing power

Based on price differences, economists derive what they call purchasing power parities for various currencies. They forecast what the foreign exchange rate would have to be for a product or a basket of products to cost the same in both countries. Because exchange rates sooner or later return to the relative level of purchasing power parity despite all fluctuations, this is a helpful tool for long-term currency predictions. By comparing the price of the product to the net wage, as in our comparison, the currency effects are factored out. Based on the example of a homogeneous product – a Big Mac in this case – real purchasing power differences can be depicted very clearly. This said, the two applications also ignore the fact that disproportionately high production costs may arise (work, agriculture, transport, etc.) before a product that looks and smells basically the same the world over can go over the counter.

Methodology

Price of the product divided by the weighted net hourly wage in 14 professions. n.a. = not available.

Vilnius

Zurich

Warsaw

Exchange rates used¹

| | Local | | | | |
|-------------------------|------------|-----|----------------|----------------|----------------|
| | currency | | | | |
| City | (LC) | 1 | USD/LC | EUR/LC | CHF/LC |
| Amsterdam Athens | EUR EUR | 1 | 1.206 | 1.000 | 1.562 1.562 |
| Auckland | NZD | 1 | 0.655 | 0.543 | 0.849 |
| Bangkok | THB | 1 | 0.026 | 0.021 | 0.033 |
| Barcelona Beijing | EUR CNY | 1 | 1.206 0.124 | 1.000 0.103 | 1.562 0.161 |
| Berlin | EUR | 1 | 1.206 | 1.000 | 1.562 |
| Bogotá | COP | 100 | 0.044 | 0.036 | 0.057 |
| Bratislava | SKK | 1 | 0.032 | 0.027 | 0.042 |
| Brussels Bucharest | EUR RON | 1 | 1.206 0.341 | 1.000 0.283 | 1.562 0.442 |
| Budapest | HUF | 100 | 0.470 | 0.390 | 0.609 |
| Buenos Aires | ARS | 1 | 0.332 | 0.275 | 0.429 |
| Caracas | VEB | 100 | 0.052 | 0.043 | 0.067 |
| Chicago Copenhagen | USD DKK | 1 | 1.000 0.162 | 0.829 | 1.295 0.209 |
| Delhi | INR | 1 | 0.022 | 0.019 | 0.029 |
| Dubai | AED | 1 | 0.273 | 0.226 | 0.353 |
| Dublin | EUR | 1 | 1.206 | 1.000 | 1.562 |
| Frankfurt Geneva | EUR CHF | 1 | 1.206 0.772 | 1.000 | 1.562 |
| Helsinki | EUR | 1 | 1.206 | 1.000 | 1.562 |
| Hong Kong | HKD | 1 | 0.129 | 0.107 | 0.167 |
| Istanbul | TRL | 1 | 0.749 | 0.621 | 0.970 |
| Jakarta Johannesburg | IDR ZAR | 100 | 0.011 | 0.009 0.135 | 0.014 |
| Kiev | UAH | 1 | 0.103 | 0.133 | 0.211 |
| Kuala Lumpur | MYR | 1 | 0.269 | 0.223 | 0.349 |
| Lima | PEN | 1 | 0.304 | 0.252 | 0.394 |
| Lisbon | EUR | 100 | 1.206 | 1.000 | 1.562 |
| Ljubljana London | SIT GBP | 100 | 0.504 1.754 | 0.417 1.454 | 0.652 2.271 |
| Los Angeles | USD | 1 | 1.000 | 0.829 | 1.295 |
| Luxembourg | EUR | 1 | 1.206 | 1.000 | 1.562 |
| Lyon | EUR | 1 | 1.206 | 1.000 | 1.562 |
| Madrid Manama | EUR BHD | 1 | 1.206 2.659 | 1.000 | 1.562 3.444 |
| Manila | PHP | 1 | 0.019 | 0.016 | 0.025 |
| Mexico City | MXN | 1 | 0.094 | 0.078 | 0.121 |
| Miami | USD | 1 | 1.000 | 0.829 | 1.295 |
| Milan Montreal | EUR CAD | 1 | 1.206 0.866 | 1.000 0.718 | 1.562 |
| Moscow | RUB | 1 | 0.036 | 0.030 | 0.046 |
| Mumbai | INR | 1 | 0.022 | 0.019 | 0.029 |
| Munich | EUR | 1 | 1.206 | 1.000 | 1.562 |
| Nairobi New York | KES USD | 1 | 0.014 | 0.012 | 0.018 1.295 |
| Nicosia | CYP | 1 | 2.099 | 1.740 | 2.718 |
| Oslo | NOK | 1 | 0.151 | 0.125 | 0.196 |
| Paris | EUR | 1 | 1.206 | 1.000 | 1.562 |
| Prague | CZK | 1 | 0.042 1.740 | 0.035 | 0.055 2.253 |
| Riga Rio de Janeiro | LVL BRL | 1 | 0.457 | 1.442 0.378 | 0.591 |
| Rome | EUR | 1 | 1.206 | 1.000 | 1.562 |
| Santiago de Chil | | 100 | 0.191 | 0.158 | 0.247 |
| Sao Paulo | BRL | 1 | 0.457 | 0.378 | 0.591 |
| Seoul Shanghai | KRW CNY | 100 | 0.103 | 0.085 | 0.133 |
| Singapore | SGD | 1 | 0.616 | 0.511 | 0.798 |
| Sofia | BGL | 1 | 0.619 | 0.513 | 0.802 |
| Stockholm | SEK | 1 | 0.129 | 0.107 | 0.167 |
| Sydney Taipei | AUD TWD | 1 | 0.738 | 0.611 | 0.955 |
| Tallinn | EEK | 1 | 0.031 | 0.026 | 0.040 |
| Tel Aviv | ILS | 1 | 0.215 | 0.178 | 0.278 |
| Tokyo | JPY | 1 | 0.009 | 0.007 | 0.011 |
| Toronto | CAD | 1 | 0.866 | 0.718 | 1.121 |
| Vienna Vilnius | EUR LTL | 1 | 1.206 0.350 | 1.000 0.290 | 1.562 0.453 |
| Warsaw | PLN | 1 | 0.313 | 0.260 | 0.406 |
| Zurich | CHF | 1 | 0.772 | 0.640 | 1.000 |
| | | | | | |

Realignment of currency blocs

Foreign exchange fluctuations have a strong influence on the results of our comparison of prices and wages over time. In fact, the shifts in rankings are ofter the result of changes in the foreign exchange framework. A new trend is observable: some countries experienced considerable revaluation against the US dollar, while a series of states with formerly volatile currencies were able to enter a period of stable currency rates against the greenback. The latter now form a new dollar bloc, which diverges greatly from the one traditionally prevailing among Commonwealth members.

Noticeable is that among the 30 currencies we surveyed, only the Venezuelan bolivar has lost value against the US dollar since 2003 (see also page 48). With an exchange loss of 17%, Venezuela is the typical exception in a set of statistics that otherwise presents a very uniform picture. Latin America is the region with the biggest gainers from the currency valuation. At the top of the plus side are the Brazilian real (+60%), the Chilean peso (+40%) and the Colombian peso (+29%). A stable exchange rate to the dollar has been achieved in Mexico, which is tied to the USA through a free-trade zone, as well as in Argentina and Peru. This stability against the dollar is a result of efforts by these governments to promote their own economies, and these countries can now be seen as part of the newly defined US dollar bloc.

The currencies in the traditional dollar bloc, meanwhile, have increased markedly in value: Canadian dollar +31%, Australian dollar +24%, New Zealand dollar +19% and South African rand +36%. These movements are in contrast to their habitual association with the dollar. If stability of currency relations is taken as the measure, the Pacific states belong more to Asia than to the dollar bloc. China, Japan, Singapore and Hong Kong are just a few of the countries in the region able to achieve a stable exchange rate to the greenback. Oil producers in the Middle East have had a stable relation to the dollar for many years.

Europe has demonstrated independence from its transatlantic partner in the same period by achieving a 12% gain in the exchange rate against the dollar. The euro's development is somewhere midway between the exchange winners and the new virtual dollar bloc. The new economies of central Europe are following the trend in core Europe, with every indication suggesting that a new euro bloc is in the making here.

Source: Datastream, International Monetary Fund, Oanda.

¹ Average exchange rates
January—April 2006.

Price comparison

Christian Frey, Dorothea Fröhlich, Oliver Futterknecht, Simone Hofer, Karin Schefer

Total expenditure on goods and services

| City | USD | Index New York = 100 |
|--------------------------------|--------------|-------------------------|
| Amsterdam | 2202 | 87.7 |
| Athens | 1833 | 73.0 |
| Auckland | 1867 | 74.4 |
| Bangkok | 1387 | 55.3 |
| Barcelona | 2045 | 81.5 |
| Beijing | 1245 | 49.6 |
| Berlin Pogotá | 2067 1430 | 82.3 57.0 |
| Bogotá Bratislava | 1266 | 50.4 |
| Brussels | 2220 | 88.4 |
| Bucharest | 1296 | 51.6 |
| Budapest | 1471 | 58.6 |
| Buenos Aires | 1051 | 41.9 |
| Caracas | 1591 | 63.4 |
| Chicago | 2314 | 92.2 |
| Copenhagen | 2740 | 109.2 |
| Delhi | 1074 | 42.8 |
| Dubai Dublin | 1857 2467 | 74.0 |
| Frankfurt | 2180 | 98.3 86.9 |
| Geneva | 2584 | 102.9 |
| Helsinki | 2435 | 97.0 |
| Hong Kong | 2061 | 82.1 |
| Istanbul | 1915 | 76.3 |
| Jakarta | 1300 | 51.8 |
| Johannesburg | 1500 | 59.7 |
| Kiev | 1200 | 47.8 |
| Kuala Lumpur | 925 | 36.8 |
| Lima Lisbon | 1233 1815 | 49.1 72.3 |
| Ljubljana | 1617 | 64.4 |
| London | 2776 | 110.6 |
| Los Angeles | 2298 | 91.6 |
| Luxembourg | 2342 | 93.3 |
| Lyon | 2189 | 87.2 |
| Madrid | 2008 | 80.0 |
| Manama | 1608 | 64.0 |
| Manila Mexico City | 1172 1523 | 46.7 60.7 |
| Miami | 2183 | 87.0 |
| Milan | 2085 | 83.1 |
| Montreal | 2229 | 88.8 |
| Moscow | 1647 | 65.6 |
| Mumbai | 967 | 38.5 |
| Munich | 2220 | 88.4 |
| Nairobi New York | 1216 2510 | 48.4 100.0 |
| Nicosia | 1876 | 74.7 |
| Oslo | 3049 | 121.5 |
| Paris | 2400 | 95.6 |
| Prague | 1349 | 53.8 |
| Riga | 1324 | 52.7 |
| Rio de Janeiro | 1627 | 64.8 |
| Rome | 2042 | 81.3 |
| Santiago de Chile Sao Paulo | 1584 1635 | 63.1 65.1 |
| Seoul | 2153 | 85.8 |
| Shanghai | 1262 | 50.3 |
| Singapore | 1924 | 76.6 |
| Sofia | 1259 | 50.1 |
| Stockholm | 2461 | 98.0 |
| Sydney | 2018 | 80.4 |
| Taipei | 1730 | 68.9 |
| Tallinn Tel Aviv | 1556 | 62.0 69.2 |
| Tokyo | 1738 2682 | 106.9 |
| Toronto | 2221 | 88.5 |
| Vienna | 2384 | 95.0 |
| Vilnius | 1239 | 49.4 |
| Warsaw | 1598 | 63.7 |
| Zurich | 2697 | 107.4 |
| | | |

Different price gaps for different product groups

Our cost-of-living basket costs an average of USD 2300 in Western European and North American cities, over 40% more expensive than in the cities we surveyed in Eastern Europe and Africa. Depending on the product group, the price spread between the most expensive and the cheapest region or city varies considerably. Labor-intensive services are particularly expensive in Western Europe and North America because of their higher wages, while electronics and household appliances are very expensive in developing countries in relation to overall price levels.

Large price differences for services

According to economic theory, price differences between internationally marketed goods such as electronic devices, nonperishable foodstuffs and clothes should be less than between nontraded goods and services. A haircut or a taxi trip are examples of local services. Our survey reveals that the price difference for the use of urban transportation (bus, taxi, train) between the cheapest (South America and Eastern Europe) and the most expensive regions (Western Europe) is around 70%. This is far more than for household and electronic appliances, with a price gap of just 23%. It should be noted, though, that thanks to today's transport options and above all the Internet, only a few goods and ever fewer services are closed to international trade. For example, the EU internal market has resulted in certain local services casting off their local shackles and marketing themselves across the union. Both the service providers - dentists, for example – and their customers have in general become more mobile. Opening the services market across national borders could well foster greater price convergence (see article on page 32).

Methodology

The cost of a weighted shopping basket of goods geared to Western European consumer habits, containing 122 goods and services.

Food prices

Food costs the most in Tokyo

Cultural and climatic conditions create wide differences in eating habits across regions. Price comparisons are thus often of only limited value, since certain products are not available everywhere. For our analysis, we put together a basket of 39 foodstuffs based mainly on Western European buying habits, in which especially important staple foods are given more prominence. The average cost of the basket in all cities is USD 479. At USD 723, the basket in Tokyo is clearly the most expensive, while in Mumbai it costs the least, at USD 174. Right at the top of the rankings, along with Seoul and Oslo, are the Swiss cities. Zurich and Geneva are on average 53% more expensive than the EU cities we analyzed.

What's conspicuous is how starkly food prices differ within regions themselves. Asia, for example, where the price level of all metropolises at USD 372 is relatively close to the global average, is home to both Tokyo and Mumbai at both ends of the scale. And although Europe is becoming increasingly integrated, the price gap for food between East and West has a factor of two; between Oslo USD 623 and Vilnius USD 218 nearly three. The countries of the North American Free Trade Agreement present the most uniform picture, but also the highest prices, at an average of USD 529.

| | | Index |
|--------------------------------|------------------|----------------|
| City | USD ¹ | New York = 100 |
| Amsterdam Athens | 427 396 | 76.9 |
| Auckland | 388 | 71.3 69.8 |
| Bangkok | 340 | 61.2 |
| Barcelona | 444 | 80.0 |
| Beijing | 281 | 50.6 |
| Berlin Begeté | 420 268 | 75.7 48.2 |
| Bogotá Bratislava | 251 | 45.2 |
| Brussels | 462 | 83.1 |
| Bucharest | 290 | 52.2 |
| Budapest | 264 | 47.5 |
| Buenos Aires | 213 370 | 38.3 |
| Caracas Chicago | 551 | 66.6 99.3 |
| Copenhagen | 552 | 99.5 |
| Delhi | 195 | 35.1 |
| Dubai | 392 | 70.7 |
| Dublin Frankfurt | 481 | 86.6 |
| Geneva | 427 619 | 76.8 111.5 |
| Helsinki | 454 | 81.8 |
| Hong Kong | 481 | 86.6 |
| Istanbul | 407 | 73.3 |
| Jakarta | 345 321 | 62.1 |
| Johannesburg Kiev | 223 | 57.9 40.1 |
| Kuala Lumpur | 182 | 32.8 |
| Lima | 253 | 45.6 |
| Lisbon | 411 | 74.0 |
| Ljubljana | 354 | 63.8 |
| London Los Angeles | 473 597 | 85.3 107.6 |
| Luxembourg | 576 | 103.7 |
| Lyon | 430 | 77.4 |
| Madrid | 434 | 78.1 |
| Manama | 370 | 66.7 |
| Manila Mexico City | 247 313 | 44.5 56.4 |
| Miami | 530 | 95.4 |
| Milan | 475 | 85.6 |
| Montreal | 481 | 86.6 |
| Moscow Mumbai | 336 174 | 60.4 31.3 |
| Munich | 419 | 75.4 |
| Nairobi | 305 | 54.9 |
| New York | 555 | 100.0 |
| Nicosia | 383 | 68.9 |
| Oslo Paris | 623 532 | 112.1 95.9 |
| Prague | 270 | 48.7 |
| Riga | 253 | 45.6 |
| Rio de Janeiro | 294 | 53.0 |
| Rome | 488 | 87.8 |
| Santiago de Chile Sao Paulo | 333 308 | 60.0 55.4 |
| Seoul | 627 | 112.9 |
| Shanghai | 274 | 49.4 |
| Singapore | 492 | 88.7 |
| Sofia | 248 | 44.6 |
| Stockholm | 479 420 | 86.3 |
| Sydney Taipei | 420 479 | 75.6 86.2 |
| Tallinn | 309 | 55.6 |
| Tel Aviv | 328 | 59.1 |
| Tokyo | 723 | 130.3 |
| Toronto | 449 | 80.8 |
| Vienna Vilnius | 517 218 | 93.0 39.3 |
| Warsaw | 271 | 48.8 |
| Zurich | 642 | 115.6 |
| | | |

Methodology

Cost of a weighted basket of goods with 39 foodstuffs.

1 Monthly expenditure of average western family.

Prices of woman's and men's clothing

| | Women's | Men's | |
|--------------------------------|-----------------------|-----------------------|------------------------|
| 1 | clothing ¹ | clothing ² | Index |
| City ¹ Amsterdam | USD 560 | USD 950 | New York = 100 94.4 |
| Athens | 520 | 770 | 80.6 |
| Auckland | 470 | 650 | 70.0 |
| Bangkok | 250 | 550 | 50.0 |
| Barcelona | 530 | 790 | 82.5 |
| Beijing Berlin | 370 600 | 550 770 | 57.5 85.6 |
| Bogotá | 420 | 480 | 56.3 |
| Bratislava | 240 | 310 | 34.4 |
| Brussels | 730 | 750 | 92.5 |
| Bucharest Budapest | 260 460 | 470 670 | 45.6 70.6 |
| Buenos Aires | 190 | 350 | 33.8 |
| Caracas | 310 | 460 | 48.1 |
| Chicago | 720 | 710 | 89.4 |
| Copenhagen | 800 | 770 | 98.1 |
| Delhi Dubai | 260 400 | 440 660 | 43.8 66.3 |
| Dublin | 650 | 910 | 97.5 |
| Frankfurt | 660 | 920 | 98.8 |
| Geneva | 770 | 920 | 105.6 |
| Helsinki | 760 | 930 | 105.6 |
| Hong Kong Istanbul | 460 490 | 740 730 | 75.0 76.3 |
| Jakarta | 260 | 390 | 40.6 |
| Johannesburg | 270 | 370 | 40.0 |
| Kiev | 300 | 340 | 40.0 |
| Kuala Lumpur | 170 | 250 | 26.3 |
| Lima Lisbon | 230 560 | 370 740 | 37.5 81.3 |
| Ljubljana | 420 | 580 | 62.5 |
| London | 640 | 790 | 89.4 |
| Los Angeles | 720 | 850 | 98.1 |
| Luxembourg Lyon | 690 570 | 740 820 | 89.4 86.9 |
| Madrid | 560 | 750 | 81.9 |
| Manama | 550 | 620 | 73.1 |
| Manila | 100 | 170 | 16.9 |
| Mexico City | 350 | 450 | 50.0 |
| Miami Milan | 650 690 | 860 890 | 94.4 98.8 |
| Montreal | 600 | 810 | 88.1 |
| Moscow | 550 | 690 | 77.5 |
| Mumbai | 210 | 370 | 36.3 |
| Munich Nairobi | 630 250 | 840 350 | 91.9 37.5 |
| New York | 740 | 860 | 100.0 |
| Nicosia | 480 | 650 | 70.6 |
| Oslo | 740 | 1090 | 114.4 |
| Paris | 660 | 1000 | 103.8 |
| Prague Riga | 440 330 | 560 540 | 62.5 54.4 |
| Rio de Janeiro | 520 | 570 | 68.1 |
| Rome | 630 | 770 | 87.5 |
| Santiago de Chi | | 600 | 62.5 |
| Sao Paulo | 440 | 490 | 58.1 |
| Seoul Shanghai | 800 320 | 840 530 | 102.5 53.1 |
| Singapore | 390 | 600 | 61.9 |
| Sofia | 260 | 400 | 41.3 |
| Stockholm | 720 | 840 | 97.5 |
| Sydney Taipei | 620 570 | 740 740 | 85.0 81.9 |
| Tallinn | 480 | 600 | 67.5 |
| Tel Aviv | 440 | 570 | 63.1 |
| Tokyo | 1050 | 1320 | 148.1 |
| Toronto | 520 | 660 | 73.8 |
| Vienna Vilnius | 800 420 | 960 530 | 110.0 59.4 |
| Warsaw | 440 | 630 | 66.9 |
| 7 | 000 | 1000 | 115.0 |

Manila's the place for clothes

Nowhere are gaps in global prices clearer than in clothing. A complete set of mens' clothes of medium quality is eight times more expensive in Tokyo than it is in Manila; the same outfit for a lady costs eleven times as much. The global average for a complete get-up is USD 505 for women and USD 668 for men. This difference is based at least in part on the clothes selected. Copenhagen and Chicago alone depart from the sex-based rule, since men pay somewhat less there. In Bangkok, however, they have to shell out more than twice what their female counterparts do. All in all, the Western European and North American cities represent the most expensive region.

If price levels are equated with quality, sophisticated couples often have to part company when it comes to buying clothes. Copenhagen and Seoul are right behind Tokyo as the most expensive destinations for women's clothes, but only occupy the upper midrange when it comes to men's clothing. The inverse is true of Oslo, Paris and Amsterdam. Both men's and women's clothing are disproportionately expensive in Zurich, Geneva and Vienna. Couples who would rather shop together and do so cheaply can choose between Manila, Kuala Lumpur, Buenos Aires and Bratislava. Prices are based on purchases of good-quality clothing in department stores, not fashion boutiques or expensive brand names. Prices of the latter would likely vary less among the cities and could even be expensive in the now cheapest destinations, where the respective name tag would be considered a luxury good.

Methodology

Prices are based on purchases of good-quality clothing in department stores, not specialized shops or fashion boutiques.

800

1050

115.6

Zurich

¹ Complete ladies' outfit, consisting of suit, blazer/jacket, summer dress, pantyhose and a pair of shoes.

² Complete men's wardrobe, comprising a suit, blazer/ jacket, shirt, jeans, socks and a pair of shoes.

Prices of home electronics and household appliances

Index USD City New York = 100Amsterdam 3000 142.2 Athens 2920 138.4 Auckland 2660 126.1 Bangkok 2060 97.6 **Barcelona** 2960 140 3 Beijing 2350 111.4 Berlin 2470 117.1 2270 Bogotá 107.6 Bratislava 2310 109.5 Brussels 2880 136.5 Bucharest 2250 106.6 Budapest 2420 114.7 **Buenos Aires** 2160 102.4 Caracas 2300 109.0 Chicago 2040 96.7 Copenhagen 139.8 2950 Delhi 2140 101.4 Dubai 1810 85.8 Dublin 127.5 2690 Frankfurt 2670 126.5 3170 150.2 Geneva Helsinki 3010 142.7 Hong Kong 2500 118.5 2880 136.5 Istanbul Jakarta 2290 108.5 Johannesburg 2700 128.0 1860 88 2 Kiev Kuala Lumpur 1680 79.6 1970 93.4 Lima Lisbon 2500 118.5 Ljubljana 2550 120.9 London 2970 140.8 Los Angeles 2010 95.3 Luxembourg 2970 140.8 3040 144 1 Lvon Madrid 2810 133.2 Manama 1820 86.3 Manila 2340 1109 Mexico City 2740 129.9 Miami 2000 94.8 Milan 2600 123.2 Montreal 2560 121.3 Moscow 2710 128 4 Mumbai 2130 100.9 Munich 2590 122.7 Nairobi 2950 139.8 New York 2110 100.0 Nicosia 2770 131.3 Oslo 3140 148 8 3000 142.2 Paris 2470 117.1 Prague Riga 2400 113.7 Rio de Janeiro 2640 125.1 2740 129.9 Rome Santiago de Chile 2580 122.3 Sao Paulo 2580 122.3 Seoul 2650 1256 Shanghai 2250 106.6 Singapore 2800 132.7 Sofia 2490 118.0 Stockholm 2710 128.4 122.7 Svdnev 2590 Taipei 2260 107.1 Tallinn 2570 121.8 3200 Tel Aviv 1517 Tokyo 3250 154.0 Toronto 2510 119.0 Vienna 3280 155 5 Vilnius 2160 102.4 Warsaw 2460 116.6

Narrow price margin for home electronics

A basket of household appliances and home electronics costs USD 2554 in our average global city. Vienna, at USD 3280, and Kuala Lumpur, at USD 1680, represent the two extremes of the price spectrum. It's less the names of these cities that's surprising (although Vienna is in a modest 12th place in the comparison of all goods and services), but rather the low difference in prices relatively between the cheapest and most expensive metropolises. That's only logical, though, when you consider that a product in countries with a high general price level is seen as nothing special and is therefore relatively affordable, while in other localities it takes on downright luxury status. The basket of appliances in Kuala Lumpur, for example, would take 463 hours of work to buy, while in Vienna it would require just 183 hours. From this perspective, these goods are even less affordable for local workers in Manila and Jakarta. Western shoppers, on the other hand, can pick up goods cheaply in Kuala Lumpur, Manama, Dubai and Kiev.

Household appliances and home electronics in the U.S. cities are not only a relatively good value, but also come out on top in terms of absolute value. As a region, North America actually occupies the cheapest position at an average of USD 2205. This may have a lot to do with the dimensions and homogeneity of the market, but also with the fact that market penetration of these devices is most advanced there. Western Europe, where prices are highest for our basket, at USD 2875, seems to have some catching up to do.

Methodology

Costs for a basket of items consisting of: refrigerator, color TV, digital camera, electric steam iron, vacuum cleaner, frying pan, hairdryer and PC

144.5

3050

Zurich

Apartment rents

| | Furnis | hed 4-room apartment | 1 | Unfur | nished 3-room apartme | ent ² | Normal |
|-------------------|-----------|----------------------|-------|-----------|-----------------------|------------------|-------------------------|
| | | price range | | | price range | | local rent ³ |
| | expensive | medium | cheap | expensive | medium | cheap | medium |
| City | USD | USD | USD | USD | USD | USD | USD |
| Amsterdam | 4520 | 2470 | 1030 | 2770 | 1570 | 660 | 1210 |
| Athens | 2560 | 1570 | 1210 | 980 | 790 | 650 | 710 |
| Auckland | 2100 | 1440 | 1180 | 1700 | 1050 | 790 | 1050 |
| Bangkok | 880 | 740 | 590 | 620 | 520 | 410 | 270 |
| Barcelona | 1970 | 1610 | 1270 | 1230 | 1090 | 880 | 1030 |
| Beijing | 3850 | 1360 | 870 | 2980 | 950 | 540 | 400 |
| Berlin | 2170 | 1810 | 1100 | 1720 | 870 | 540 | 750 |
| | 2040 | 960 | 400 | 940 | 550 | 300 | 240 |
| Bogotá | 1280 | | 580 | | 590 | 470 | |
| Bratislava | | 790 | | 950 | | | 550 |
| Brussels | 2930 | 1930 | 1590 | 1830 | 1300 | 860 | 600 |
| Bucharest | 2670 | 1580 | 1090 | 1820 | 1210 | 790 | 670 |
| Budapest | 2860 | 1870 | 1280 | 1380 | 1050 | 740 | 410 |
| Buenos Aires | 1530 | 1020 | 710 | 660 | 500 | 330 | 230 |
| Caracas | 3020 | 1980 | 1200 | 2080 | 1350 | 780 | 780 |
| Chicago | 4950 | 3450 | 1900 | 3100 | 1750 | 1120 | 1930 |
| Copenhagen | 3150 | 2440 | 1740 | 2620 | 1670 | 1210 | 990 |
| Delhi | 1700 | 990 | 700 | 1570 | 540 | 170 | 540 |
| Dubai | 4370 | 2900 | 1420 | 2100 | 1640 | 1200 | 1480 |
| | | | | | | | |
| Dublin | 4920 | 3020 | 2160 | 3080 | 2430 | 1920 | 1540 |
| Frankfurt | 2570 | 1910 | 1530 | 2000 | 1360 | 970 | 900 |
| Geneva | 3910 | 2680 | 2370 | 1930 | 1360 | 1090 | 1620 |
| Helsinki | 4250 | 3260 | 2410 | 1480 | 1180 | 840 | 780 |
| Hong Kong | 7480 | 4350 | 2870 | 5740 | 3930 | 2260 | 770 |
| Istanbul | 3950 | 2650 | 1890 | 2000 | 1390 | 810 | 610 |
| Jakarta | 2500 | 2840 | 1030 | 1120 | 710 | 540 | 640 |
| Johannesburg | 1880 | 1070 | 550 | 1030 | 800 | 600 | 640 |
| Kiev | 3030 | 2430 | 1620 | 1310 | 910 | 760 | 510 |
| Kuala Lumpur | 1350 | 810 | 400 | 480 | 270 | 180 | 270 |
| Lima | 1310 | 840 | 490 | 650 | 290 | 180 | 150 |
| Lisbon | 2650 | 2090 | 1490 | 1790 | 1330 | 920 | 1290 |
| | | | | | | | |
| Ljubljana | 1530 | 1150 | 760 | 1010 | 800 | 610 | 350 |
| London | 9960 | 6240 | 2390 | 6180 | 4170 | 1710 | 2390 |
| Los Angeles | 5740 | 4200 | 3290 | 3420 | 2400 | 1690 | 1390 |
| Luxembourg | 2680 | 2120 | 1190 | 2180 | 1720 | 1230 | 1230 |
| Lyon | n.a. | 900 | 690 | n.a. | 780 | 600 | 730 |
| Madrid | 2730 | 1890 | 1450 | 2290 | 1460 | 1010 | 1130 |
| Manama | 3990 | 2260 | 1730 | 2130 | 1460 | 1330 | 930 |
| Manila | 1790 | 1160 | 730 | 820 | 480 | 240 | 180 |
| Mexico City | 2340 | 1190 | 620 | 1560 | 860 | 380 | 810 |
| Miami | 2700 | 2200 | 1000 | 2000 | 1200 | 690 | 1050 |
| Milan | 3500 | 2700 | 2210 | 1540 | 1170 | 1000 | 1030 |
| Montreal | 1880 | 1560 | 1300 | 1660 | 1440 | 1020 | 1200 |
| | | | | | | | |
| Moscow | 3740 | 2090 | 1300 | 2800 | 1380 | 810 | 1150 |
| Mumbai | 4500 | 4070 | 1870 | 2740 | 1980 | 1270 | 1000 |
| Munich | 3500 | 2370 | 1620 | 1980 | 1410 | 1070 | 910 |
| Nairobi | 3070 | 1960 | 1330 | 1400 | 730 | 490 | 450 |
| New York | 11100 | 7380 | 4370 | 5870 | 3660 | 2530 | 2500 |
| Nicosia | 3150 | 2520 | 1780 | 1680 | 1360 | 1050 | 1570 |
| Oslo | 3590 | 2610 | 1910 | 2120 | 1620 | 1320 | 960 |
| Paris | 3510 | 2450 | 1890 | 2200 | 1800 | 1200 | 1120 |
| Prague | 1500 | 1180 | 820 | 1250 | 950 | 570 | 490 |
| Riga | 2260 | 1390 | 870 | 1740 | 870 | 520 | 170 |
| Rio de Janeiro | 5080 | 2700 | 1500 | 2410 | 1640 | 1150 | 750 |
| Rome | 3130 | 1750 | 1420 | 2200 | 1450 | 1010 | 1250 |
| Santiago de Chile | | 3430 | 1520 | 3530 | 2050 | 910 | 520 |
| | | | | | | | |
| Sao Paulo | 4390 | 3010 | 2100 | 1720 | 900 | 610 | 570 |
| Seoul | 7000 | 4330 | 2580 | 4120 | 3510 | 2520 | 620 |
| Shanghai | 2430 | 1210 | 730 | 1210 | 780 | 550 | 360 |
| Singapore | 2480 | 1910 | 1520 | 1980 | 1330 | 1160 | 990 |
| Sofia | 1840 | 1270 | 910 | 820 | 590 | 520 | 520 |
| Stockholm | 2360 | 1520 | 1150 | 1600 | 1040 | 960 | 890 |
| Sydney | 6640 | 3870 | 2210 | 3170 | 2100 | 1360 | 880 |
| Taipei | 2050 | 1680 | 1240 | 1590 | 1500 | 930 | 930 |
| Tallinn | 2700 | 1770 | 1200 | 1350 | 580 | 310 | 500 |
| Tel Aviv | 2580 | 1720 | 860 | 1720 | 1290 | 860 | 600 |
| Tokyo | 10260 | 7270 | 5130 | 4270 | 1710 | 850 | 1200 |
| , | | | | | | | |
| Toronto | 2080 | 1730 | 1440 | 1730 | 1300 | 970 | 1120 |
| Vienna | 2460 | 1790 | 1400 | 1830 | 1360 | 1010 | 800 |
| Vilnius | 1750 | 1100 | 590 | 790 | 490 | 350 | 300 |
| Marcour | 1000 | 1220 | 920 | 1220 | 720 | E10 | 560 |

Methodology

Average cost of housing (excluding extremes) per month, which an apartment-seeker would expect to pay on the free market at the time of the survey.

1890

3240

1220

2550

820

1800

1230

1620

730

1230

510

1030

560

1430

Warsaw

Zurich

¹ Rents are based on apartments built after 1980 (4 rooms, kitchen, bathroom; with garage) including all incidental costs, the level of housing comfort conforms to the expectations of salaried mid-management employees in areas favored by them.

² Rents are based on apartments built after 1980 (3 rooms, kitchen, bathroom, without garage; including incidental expenses) with an average comfort customary in the locality and near the city center.

³ The figures given are merely tentative values for average rent prices (monthly gross rents) for a majority of local households.

n.a. = not available.

Big price gap for rents

Housing markets are extremely fragmented in all cities. In order to provide a representative value for living costs in our cost-of-living basket, data for three distinct housing categories were collected: furnished four-room dwellings for Western executives, unfurnished three-room dwellings in mid-range residential areas, and typical city apartments in terms of standard, size and location. Rental prices include all incidental costs like e.g. maintenance, but exclude electricity and heating. While asking prices were assessed for the first two segments, the last category consists of actual rental prices. This takes into account the fact that rents for dwellings that have been rented for a long time may vary substantially from current market value. Established residents are almost exclusively the beneficiaries from this phenomenon; foreigners or newly arriving locals must pay current market prices. The overall price index weights rents of local housing stock two-thirds higher than rents for dwellings following Western standards.

Furnished four-room apartment

Aside from luxury apartments in New York, London and Tokyo, Western comfort in a top locality costs on the average slightly more than USD 1800. The price differences, however, are substantial, and can apply to rents within a single city as well. These inconsistencies can reflect location factors, such as centrality, view and existing infrastructure in the area, as well as residence-specific services such as security, on-site service personnel or interior furnishings. Although our questionnaire requested data of the greatest possible accuracy, subjective perceptions always play a role in the prices seen in this category. A direct comparison is thus not given, and price differences reflect differences in the real or perceived quality of the dwelling as well.

Three-room apartment

The picture is similar in the category of unfurnished three-room dwellings: Large variations in prices are the norm, both regionally and within a given city. The most expensive cities are New York and London, followed by Hong Kong. Dwellings of this category in Eastern Europe and South America are relatively cheap. Compared to the global average, just over USD 1200, our three-room apartment rents for just USD 840 in Eastern Europe and USD 1000 in South America.

Locally prevailing rent costs

The general level of local rent should reflect what an average resident family spends per month on accommodation. It is a benchmark for dwellings typical of the city in question in terms of size, standard of construction and living area. The comparison of market rents for unfurnished 3-room dwellings at the local customary monthly rent gives an indication of the extent of deviation between rents for foreign tenants and the "local" market. While rents for existing units in this category are slightly cheaper than the market rent of a centrally located 3-room dwelling in Europe and North America, a typical resident of a South American city

pays just under half this price. In Asia rents are no less than 40% cheaper. Given that the journey from an average local dwelling to the center of a metropolis can often take up to an hour, however, and taking into consideration the local buying power, people in developing countries frequently settle for smaller apartments.

An international comparison in this category is also complicated by local, often very different restrictions on rents. These laws can determine trends in rent prices, as well as the people eligible as tenants. For example, in Switzerland, existing tenancy agreements may only be modified in relation to the interest rate of variable mortgages. In addition, subsidized apartments and houses may be unavailable to foreigners in some areas. There are frequently hindrances at the informal level, too, whether caused by an inability to communicate in the local language, making it impossible to obtain the necessary forms, or the scarcity of official brokers for this segment. The ratio of subsidized and cooperative housing is another factor influencing average local prices, and varies enormously from city to city.

Public transport

| | Bus, tram or Metro ¹ | Taxi ² | Train ³ |
|-----------------------------|------------------------------------|-------------------|--------------------|
| City Amsterdam | USD 2.6 | USD 17.2 | USD 31.2 |
| Athens | 0.7 | 3.3 | 11.5 |
| Auckland | 2.3 | 7.2 | 38.6 |
| Bangkok | 0.5 | 1.7 | 6.2 |
| Barcelona | 1.3 | 13.0 1.7 | 18.5 |
| Beijing Berlin | 0.4 2.5 | 1.7 | 6.5 45.2 |
| Bogotá | 0.5 | 1.9 | n.a. |
| Bratislava | 0.6 | 3.9 | 8.2 |
| Brussels | 1.8 | 14.2 2.7 | 21.2 |
| Bucharest Budapest | 0.5 | 7.5 | n.a. 9.6 |
| Buenos Aires | 0.2 | 2.6 | 7.1 |
| Caracas | 0.4 | 4.2 | n.a. |
| Chicago | 2.0 | 9.9 | 32.4 |
| Copenhagen Delhi | 2.9 0.2 | 12.6 0.9 | 35.1 5.7 |
| Dubai | 0.8 | 5.2 | n.a. |
| Dublin | 1.6 | 10.4 | 40.0 |
| Frankfurt | 3.4 2.2 | 13.0 16.5 | 44.8 41.4 |
| Geneva Helsinki | 2.2 | 6.2 | 34.9 |
| Hong Kong | 0.8 | 16.1 | 5.4 |
| Istanbul | 0.9 | 6.3 | 18.0 |
| Jakarta | 0.3 | 2.2 | 7.9 |
| Johannesburg Kiev | 1.2 | 10.0 4.0 | 8.5 2.7 |
| Kuala Lumpur | 0.5 | 1.6 | 5.4 |
| Lima | 0.5 | 1.3 | 18.6 |
| Lisbon | 1.1 | 8.7 6.2 | 18.6 15.1 |
| Ljubljana London | 1.0 2.6 | 20.3 | 91.2 |
| Los Angeles | 1.5 | 11.8 | 22.0 |
| Luxembourg | 1.5 | 15.4 | 38.1 |
| Lyon Madrid | 2.1 1.4 | 19.7 8.6 | 34.4 16.7 |
| Manama | 0.3 | 6.6 | n.a. |
| Manila | 0.2 | 1.5 | 3.6 |
| Mexico City | 0.3 | 1.9 | n.a. |
| Miami Milan | 1.3 1.2 | 9.3 9.7 | 27.8 16.3 |
| Montreal | 2.2 | 9.0 | 47.0 |
| Moscow | 0.3 | 5.4 | 3.1 |
| Mumbai | 0.3 | 1.1 | 5.6 |
| Munich Nairobi | 3.2 0.5 | 9.9 5.6 | 45.2 14.1 |
| New York | 2.0 | 11.6 | 52.5 |
| Nicosia | 1.0 | 6.3 | n.a. |
| Oslo | 3.8 | 16.3 | 36.2 |
| Paris Prague | 1.7 0.8 | 15.6 6.0 | 37.0 6.7 |
| Riga | 0.4 | 2.9 | 5.9 |
| Rio de Janeiro | 0.8 | 6.1 | n.a. |
| Rome | 1.2 | 11.4 | 23.0 |
| Santiago de Ch Sao Paulo | nile 0.7 0.9 | 7.0 9.1 | 11.7 n.a. |
| Seoul | 0.8 | 2.0 | 5.5 |
| Shanghai | 0.5 | 1.6 | 6.2 |
| Singapore Sofia | 1.0 | 6.2 2.9 | n.a. 6.3 |
| Stockholm | 4.5 | 17.0 | 25.9 |
| Sydney | 2.8 | 12.4 | 21.5 |
| Taipei | 0.7 | 5.0 | 12.0 |
| Tallinn Tel Aviv | 1.2 1.1 | 5.8 6.5 | 6.9 5.4 |
| Tokyo | 2.0 | 13.2 | 5.4 27.9 |
| Toronto | 2.4 | 8.2 | 45.4 |
| Vienna | 2.0 | 12.5 | 34.3 |
| Vilnius Warsaw | 0.4 | 4.7 5.1 | 10.5 12.2 |
| vvaiSavv | 0.8 | 5.1 | 12.2 |

¹ Price of a single ticket for the public transport network (bus, streetcar or metro) for a journey of approx. 10 km/6 miles or at least 10 stops.

n.a. = not available.

Wide spreads in public transport

Public transport is most expensive in Western Europe, North America and Oceania, and cheapest in South America. Fares vary profoundly worldwide, regardless of the type of transport (bus, tram, subway, taxi or train), with prices deviating on average 70% from the global mean.

For instance, a second class one-way ticket for a 200 km rail journey in North America (USD 41) is approximately eight times the tariff in South America (USD 4.7). A comparison between single cities shows even larger differences. The average cost for this journey in the 71 cities that make up our survey was USD 22. The USD 91 charged in London, by far the most expensive city, is roughly 65% higher than the fare in the second most costly city New York (USD 52) and about four times the global average. The cheapest city in our survey is Kiev, where the journey cost only USD 2.70, or a ninth of the global average fare.

The international average price for a journey of 10 km, or ten stops on a bus, tram or urban rail system, was USD 1.30. Here as well, considerable differences emerged between the regions. While the journey costs a mere USD 0.50 to 0.70 in South America, Eastern Europe or Asia, in Oceania the rate is four times as much (USD 2.50). All 27 cities with above-average fares are in advanced economies, headed by Stockholm and Oslo, where prices exceed USD 3.50.

Large discrepancies were also seen in taxi prices among the cities in our survey. The global average of a 5 km daytime taxi trip within the city was USD 8, while Zurich topped the table at USD 21 and Delhi brought up the rear at a mere USD 0.90. If we ignore the extreme cases, most cities of our sample are spread in the broad range between USD 4 to USD 15. At a regional level, North America (USD 10.60) constituted the upper end, while South America and Asia (USD 4.20 each) represent the lower limit.

Ownership might affect prices

Public transport refers to transport that is available to the public. The term also commonly implies state ownership and operation of the system, but this is not always the case. Many cities have privatized their transport systems partially or wholly. While competition may assure price levels in line with local buying power, international arbitrage is only possible to a limited extent: the service has to be consumed locally and cannot be traded; and providers depend on local productivity factors, especially for the labor-intensive operation and maintenance of the system.

Zurich

2.7

21.2

44 8

² Price of a ticket for 5 km/3 miles within the city limits, incl. service.

³ Price of a single ticket (2nd class) for a train journey of 200 km.

Car prices and maintenance costs

| | | Price ¹ | Tax ² | Fuel ³ |
|-------------------------------|-------------------------------|--------------------|------------------|-------------------|
| City | Mid-price car | USD | USD | USD |
| Amsterdam | VW Golf Comfortline 2.0 FSI | 31,843 | 362 | 1.72 |
| Athens | VW Passat 2.0 2005 | 33,538 | 449 | 1.16 |
| Auckland | Toyota Corolla GL1.8 | 19,651 | 131 | 1.02 |
| Bangkok | Toyota Corolla 1.8 | 22,460 | 46 | 0.69 |
| Barcelona | Seat Ibiza | 25,407 | 82 | 1.27 |
| Beijing | Hyundai Elantra | 16,164 | 20 | 0.55 |
| Berlin | VW Golf Comfort | 25,154 | 136 | 1.61 |
| Bogotá | Renault Megane | 20,484 | 241 | 1.13 |
| Bratislava | Skoda Oktavia | 21,634 | 97 | 1.26 |
| Brussels | Renault Megane Sedan 2.0 | 24,611 | 406 | 1.61 |
| Bucharest | Skoda Octavia Classic 1.9 TDI | 19,114 | 20 | 1.24 |
| Budapest | Opel Astra 1.8 Ecotec | 18,098 | 92 | 1.26 |
| Buenos Aires | Peugeot 206 | 13,925 | n.a. | 0.64 |
| Caracas | Chevrolet Aveo 1.6 | 15,614 | 31 | 0.50 |
| Chicago | 2005 Honda Accord | 23,300 | 78 | 0.77 |
| J | | 40,098 | 404 | 1.66 |
| Copenhagen Delhi | Toyota Corolla 1.6 | • | | |
| | Mitsubishi Lancer 2.0 | 17,918 | n.a. | 1.12 |
| Dubai | Mitsubishi Lancer 2006, 1.3GL | 10,491 | 127 | 0.41 |
| Dublin | Peugeot 307 1.6 HDi | 30,432 | 499 | 1.38 |
| rankfurt | Golf Sportline | 30,818 | 163 | 1.53 |
| Beneva | VW Golf 2.3l V5 | 28,341 | 193 | 1.31 |
| lelsinki | Toyota Corolla 1.6VVT | 26,565 | 154 | 1.59 |
| long Kong | Honda Civic | 20,621 | 747 | 1.90 |
| stanbul | Peugeot 307 | 21,348 | 365 | 1.97 |
| akarta | Toyota Altis G 1.8 2006 | 30,596 | 209 | 0.53 |
| ohannesburg | VW Golf | 21,210 | 20 | 0.89 |
| liev | Skoda Fabia | 18,190 | 10 | 0.83 |
| Cuala Lumpur | Proton | 15,083 | 32 | 0.46 |
| ima | Toyota Corolla | 14,276 | 201 | 1.12 |
| isbon | VW Golf 1.9TDI | 36,663 | 150 | |
| | | | | 1.51 |
| jubljana | Skoda Octavia | 19,513 | 126 | 1.18 |
| ondon | Ford Focus 1.8 Zetec | 19,609 | 307 | 1.61 |
| os Angeles | Honda Civic Sedan | 16,000 | 98 | 0.82 |
| uxembourg | VW Golf GT 2000 TDI | 29,768 | 25 | 1.31 |
| yon | Renault Megane 2l | 25,395 | 162 | 1.54 |
| // Adrid | Renault Megane | 20,992 | n.a. | 1.31 |
| Manama | Toyota Corolla | 15,822 | 53 | 0.27 |
| /Ianila | Nissan Sentra GX 1.3 | 11,983 | 34 | 0.75 |
| Mexico City | Sentra Nissan | 12,697 | 299 | 0.68 |
| Miami | Honda Civic | 23,000 | n.a. | n.a. |
| /ilan | Grande Punto Sedan 1.4 | 18,820 | 212 | 1.57 |
| Montreal | Toyota Corrola LE 1.8l | 14,470 | 221 | 0.94 |
| Noscow | Toyota Corrola EE 1.01 | 29,888 | 11 | 0.64 |
| Mumbai | Maruti Suzuki Esteem | 11,241 | n.a. | 1.09 |
| | | 26,059 | | |
| /Junich | VW Golf 5 1.9 TDI | | 113 | 1.56 |
| lairobi | Peugot 406 2l | n.a. | n.a. | 1.03 |
| lew York | Ford Focus ZX4-S | 13,745 | 85 | 0.83 |
| licosia | Opel Vectra 1800cc | 33,584 | 94 | 1.13 |
| slo | Volvo V50 2006 | 39,148 | 433 | 1.73 |
| aris | Peugeot 307 1.4 | 21,535 | 290 | 1.60 |
| rague | Skoda Octavia 1.8 | 21,107 | 378 | 1.26 |
| iga | Toyota Avensis 1.8 | 26,249 | 42 | 1.03 |
| io de Janeiro | VW Golf 1.8 | 22,785 | 548 | 1.24 |
| ome | Fiat Punto 1.9 MJT | 22,439 | 325 | 1.60 |
| antiago de Chile | Peugeot 206 | 11,416 | 210 | 1.06 |
| antiago de Crille ao Paulo | Ford Fiesta Sedan 1.6 | 14,566 | 549 | 1.32 |
| | | | | 0.89 |
| eoul | Samsung AM5 | 23,034 | 124 | |
| hanghai | Fiat Siena | 9,947 | 249 | 0.57 |
| ingapore | Toyota Camry 2000cc | 49,318 | 1233 | 1.12 |
| ofia | Opel Astra Classic | 15,481 | 36 | 1.09 |
| tockholm | Volvo S 40 | 26,576 | 211 | 1.46 |
| ydney | Toyota Corolla Ascent Sedan | 14,754 | 187 | 0.89 |
| aipei | Toyota Altis 1.8E 2006 | 25,064 | 348 | 0.81 |
| allinn | Toyota Corolla 1.6l | 20,050 | n.a. | 1.10 |
| el Aviv | n.a. | n.a. | n.a. | n.a. |
| okyo | Honda Accord 20A | 19,819 | 338 | 1.23 |
| , | | | | |
| oronto | Ford Focus ZX3 SE | 19,993 | 64 | 0.89 |
| /ienna | VW Golf 1.9 TDI | 25,449 | 526 | 1.30 |
| /ilnius | VW Passat Comforline | 27,501 | 24 | 1.12 |
| Varsaw | Ford Focus II 1,6 | 17,241 | 408 | 1.22 |
| | VW Golf 1.6 L | 22,240 | 255 | 1.22 |

¹ Purchase price (including sales taxes) of a popular mid-range car (5-door, standard equipment).

² Annual vehicle tax and/or annual registration fee.

³ Gas price per liter at the time of the survey (February to the end of April 2006). n.a. = not available.

Restaurant and hotel prices

| Cit. | Restaurant ¹ USD | Hotel****2 | Hotel***2 |
|---|--------------------------------|--------------------------|--------------------------|
| City Amsterdam | 26 | USD 410 | USD 130 |
| Athens | 31 | 240 | 100 |
| Auckland | 35 | 230 | 90 |
| Bangkok | 27 | 240 | 130 |
| Barcelona | 35 | 390 | 160 |
| Beijing | 25 31 | 240 | 80 |
| Berlin Bogotá | 22 | 260 150 | 130 80 |
| Bratislava | 29 | 270 | 110 |
| Brussels | 37 | 280 | 130 |
| Bucharest | 19 | 300 | 240 |
| Budapest | 25 | 270 | 120 |
| Buenos Aires | 22 | 130 | 70 |
| Caracas Chicago | 31 36 | 230 440 | 50 220 |
| Copenhagen | 51 | 280 | 150 |
| Delhi | 19 | 330 | 110 |
| Dubai | 39 | 340 | 120 |
| Dublin | 53 | 350 | 170 |
| Frankfurt | 37 | 330 | 130 |
| Geneva Helsinki | 42 51 | 430 320 | 170 150 |
| Hong Kong | 26 | 340 | 190 |
| Istanbul | 45 | 290 | 80 |
| Jakarta | 12 | 270 | 60 |
| Johannesburg | 17 | 280 | 110 |
| Kiev | 27 | 360 | 140 |
| Kuala Lumpur | 12 | 150 | 40 |
| Lima Lisbon | 28 36 | 180 420 | 110 120 |
| Ljubljana | 22 | 260 | 130 |
| London | 64 | 500 | 190 |
| Los Angeles | 44 | 360 | 200 |
| Luxembourg | 36 | 310 | 150 |
| Lyon | 32 | 200 | 130 |
| Madrid Manama | 37 40 | 370 250 | 140 130 |
| Manila | 18 | 190 | 120 |
| Mexico City | 32 | 240 | 50 |
| Miami | 38 | 400 | 180 |
| Milan | 50 | 450 | 190 |
| Montreal | 27 | 220 | 140 |
| Moscow Mumbai | 26 20 | 290 290 | 120 110 |
| Munich | 40 | 310 | 100 |
| Nairobi | 21 | 160 | 100 |
| New York | 50 | 450 | 250 |
| Nicosia | 42 | 310 | 200 |
| Oslo | 54 | 340 | 200 |
| Paris Prague | 39 12 | 380 220 | 200 100 |
| Riga | 24 | 270 | 100 |
| Rio de Janeiro | 32 | 240 | 120 |
| Rome | 35 | 430 | 220 |
| Santiago de Cl | | 230 | 80 |
| Sao Paulo | 30 | 270 | 90 |
| Seoul | 35 | 250 | 100 |
| Shanghai Singapore | 31 29 | 260 300 | 70 90 |
| Sofia | 14 | 210 | 90 |
| Stockholm | 40 | 380 | 180 |
| | 48 | 310 | 110 |
| Sydney | 36 | 290 | 120 |
| Taipei | | 410 | 170 |
| Taipei Tallinn | 36 | | |
| Taipei Tallinn Tel Aviv | 36 32 | 260 | 170 |
| Taipei Tallinn Tel Aviv Tokyo | 36 32 77 | 260 510 | 170 270 |
| Taipei Tallinn Tel Aviv Tokyo Toronto | 36 32 77 37 | 260 510 210 | 170 270 110 |
| Taipei Tallinn Tel Aviv Tokyo | 36 32 77 | 260 510 | 170 270 |
| Taipei Tallinn Tel Aviv Tokyo Toronto Vienna | 36 32 77 37 35 | 260 510 210 300 | 170 270 110 140 |

¹ Price of an evening meal (three-course menu with starter, main course and dessert, without drinks) including service, in a good

Expensive hotel stays in London and Tokyo

Most people visiting a foreign city spend the night in a hotel. The average of all cities in our survey came out to USD 298 a night for a double room with bathroom in a first-class hotel of the international category, including breakfast and service charges. Even at the top end of the market, there still are considerable price differences. The same stay will cost guests USD 510 in Tokyo, USD 500 in London, USD 450 in Milan and USD 450 in New York. In Buenos Aires, Bogotá, Kuala Lumpur and Nairobi, on the other hand, hotel rooms of similar quality can be had for as little as USD 160 a night. Many characteristics of the specific locality are reflected in these clear price differences in the luxury city hotel segment. These include local wage levels, infrastructure standards, location, room size, the hotel's relative prestige and the city's image. Seasonal and political factors also can affect the cost of a visit. Regionally, Africa and South America are roughly 30% below the average global price level, while visitors to Western Europe (USD 350) and North America (USD 347) pay the most on the average for an exclusive hotel stay for two.

If you can do without luxury, overnight stays in Mexico City, Kuala Lumpur and Caracas are the cheapest. An overnight for two in a three-star hotel in these cities costs just USD 50. Tokyo (USD 270) again emerges as the priciest location of all.

The average bill for a three-course restaurant meal – consisting of starter, main course and dessert, with service included but without drinks – is USD 33 in the 71 cities surveyed. The cheapest places to dine out are Kuala Lumpur, Prague and Jakarta; while our meal will also cost you less than USD 17 in Sofia and Johannesburg. The most expensive place to eat? Yet again, Tokyo (USD 77). Diners in London, Oslo and Dublin can also expect a relatively steep bill for our sample meal.

restaurant.

² Price for a double room en-suite, including breakfast for two and service in a first-class hotel in the international category or in a good mid-range hotel.

Price of a city break

Kuala Lumpur and Manila favorable for a short stay

Besides expenses for accommodation and food, a stroll around town also has its price. To get a picture of price differences for a short stay in a large city, we put together a basket of ten goods and services comprising an overnight stay for two in a first-class hotel, two dinners with a bottle of the house red wine, one taxi ride, a 100 kilometers in a rental car, two outings to the theatre by public transport, and various small expenditures such as a paperback novel or a phone call. This package is most expensive in London, where visitors will cough up USD 1180, and Tokyo, where the basket costs USD 1090, excluding the money needed to get there and back. Our short stay doesn't come much cheaper in cities like Geneva, New York, Oslo or Zurich, either. The global average price for our quick trip is USD 640. The cheapest places are Kuala Lumpur, Manila, Buenos Aires and Nairobi. For people with a budget of less than USD 450, Sofia, Bogotá and Lima are appealing choices. Regionally, the price difference is the most extreme between Africa (USD 425) and Western Europe (USD 800), Africa on the average costing over than 40% less for a short trip. But costs differ widely within Western Europe, too: a short stay in London is more than three times as expensive as one in Sofia (USD 380). At USD 723, a short stay in North America is also disproportionately high.

| City | Total | Index New York = 100 |
|-----------------------|-------------|-------------------------|
| City Amsterdam | USD 770 | New York = 100 83.7 |
| Athens | 580 | 63.0 |
| Auckland | 590 | 64.1 |
| Bangkok | 490 | 53.3 |
| Barcelona Beijing | 730 510 | 79.3 55.4 |
| Berlin | 680 | 73.9 |
| Bogotá | 400 | 43.5 |
| Bratislava | 540 | 58.7 |
| Brussels | 710 | 77.2 |
| Bucharest Budapest | 530 590 | 57.6 64.1 |
| Buenos Aires | 340 | 37.0 |
| Caracas | 610 | 66.3 |
| Chicago | 800 | 87.0 |
| Copenhagen | 850 | 92.4 |
| Delhi Dubai | 550 640 | 59.8 |
| Dublin | 820 | 69.6 89.1 |
| Frankfurt | 760 | 82.6 |
| Geneva | 940 | 102.2 |
| Helsinki | 870 | 94.6 |
| Hong Kong | 830 | 90.2 |
| Istanbul Jakarta | 700 480 | 76.1 52.2 |
| Johannesburg | 500 | 54.3 |
| Kiev | 610 | 66.3 |
| Kuala Lumpur | 260 | 28.3 |
| Lima | 410 | 44.6 |
| Lisbon | 760 | 82.6 |
| Ljubljana London | 540 1180 | 58.7 128.3 |
| Los Angeles | 720 | 78.3 |
| Luxembourg | 720 | 78.3 |
| Lyon | 630 | 68.5 |
| Madrid | 770 | 83.7 |
| Manama Manila | 560 330 | 60.9 35.9 |
| Mexico City | 560 | 60.9 |
| Miami | 740 | 80.4 |
| Milan | 860 | 93.5 |
| Montreal | 580 | 63.0 |
| Moscow Mumbai | 580 470 | 63.0 51.1 |
| Munich | 770 | 83.7 |
| Nairobi | 350 | 38.0 |
| New York | 920 | 100.0 |
| Nicosia | 610 | 66.3 |
| Oslo | 920 | 100.0 |
| Paris Prague | 870 460 | 94.6 50.0 |
| Riga | 530 | 57.6 |
| Rio de Janeiro | 580 | 63.0 |
| Rome | 770 | 83.7 |
| Santiago de Chile | 500 | 54.3 |
| Sao Paulo Seoul | 650 530 | 70.7 57.6 |
| Shanghai | 550 | 59.8 |
| Singapore | 630 | 68.5 |
| Sofia | 380 | 41.3 |
| Stockholm | 820 | 89.1 |
| Sydney | 660 610 | 71.7 |
| Taipei Tallinn | 610 750 | 66.3 81.5 |
| Tel Aviv | 540 | 58.7 |
| Tokyo | 1090 | 118.5 |
| Toronto | 580 | 63.0 |
| Vienna | 750 470 | 81.5 |
| Vilnius Warsaw | 470 650 | 51.1 70.7 |
| Zurich | 900 | 97.8 |
| | 300 | 57.0 |

Methodology

Expenditure includes two evening meals with wine, an overnight hotel stay for two, car rental costs (100 km), public transport and taxifare and various minor expenses (phone call, paperback, etc.).

Prices of services

| Cit. | LICD | Index |
|------------------------|------------|------------------------|
| City Amsterdam | USD 500 | New York = 100 83.3 |
| Athens | 420 | 70.0 |
| Auckland | 420 | 70.0 |
| Bangkok | 270 | 45.0 |
| Barcelona | 500 | 83.3 |
| Beijing | 230 | 38.3 |
| Berlin | 440 | 73.3 |
| Bogotá Bratislava | 310 230 | 51.7 38.3 |
| Brussels | 500 | 30.3 83.3 |
| Bucharest | 230 | 38.3 |
| Budapest | 300 | 50.0 |
| Buenos Aires | 220 | 36.7 |
| Caracas | 290 | 48.3 |
| Chicago | 520 | 86.7 |
| Copenhagen | 640 | 106.7 |
| Delhi Dubai | 200 470 | 33.3 78.3 |
| Dublin | 550 | 76.3 91.7 |
| Frankfurt | 500 | 83.3 |
| Geneva | 570 | 95.0 |
| Helsinki | 600 | 100.0 |
| Hong Kong | 420 | 70.0 |
| Istanbul | 440 | 73.3 |
| Jakarta | 210 | 35.0 |
| Johannesburg | 350 | 58.3 |
| Kiev Kuala Lumpur | 290 140 | 48.3 23.3 |
| Lima | 300 | 50.0 |
| Lisbon | 400 | 66.7 |
| Ljubljana | 350 | 58.3 |
| London | 640 | 106.7 |
| Los Angeles | 510 | 85.0 |
| Luxembourg | 500 | 83.3 |
| Lyon | 540 | 90.0 |
| Madrid Manama | 490 430 | 81.7 71.7 |
| Manila | 250 | 41.7 |
| Mexico City | 390 | 65.0 |
| Miami | 480 | 80.0 |
| Milan | 500 | 83.3 |
| Montreal | 500 | 83.3 |
| Moscow | 420 | 70.0 |
| Mumbai Munich | 170 | 28.3 86.7 |
| Nairobi | 520 210 | 35.0 |
| New York | 600 | 100.0 |
| Nicosia | 400 | 66.7 |
| Oslo | 740 | 123.3 |
| Paris | 590 | 98.3 |
| Prague | 240 | 40.0 |
| Riga | 260 | 43.3 |
| Rio de Janeiro Rome | 370 460 | 61.7 76.7 |
| Santiago de Chile | 360 | 60.0 |
| Sao Paulo | 380 | 63.3 |
| Seoul | 440 | 73.3 |
| Shanghai | 240 | 40.0 |
| Singapore | 420 | 70.0 |
| Sofia | 200 | 33.3 |
| Stockholm | 600 | 100.0 |
| Sydney | 450 | 75.0 |
| Taipei Tallinn | 340 310 | 56.7 51.7 |
| Tel Aviv | 330 | 55.0 |
| Tokyo | 690 | 115.0 |
| Toronto | 530 | 88.3 |
| Vienna | 530 | 88.3 |
| Vilnius | 280 | 46.7 |
| Warsaw | 360 | 60.0 |
| Zurich | 620 | 103.3 |
| | | |

Wage costs make up an important share of service prices

We have put together a basket of 27 so-called non-transferable goods and services. In addition to the products that made up the basket in our 2003 edition (haircut, dry cleaning, telephone bill, cinema ticket, restaurant, and others), we have added a new set of items to better reflect current consumer patterns, including a DSL Internet connection, tuition fees for different training courses and tickets for leisure activities. Also in keeping with observable preferences, we have raised the weighting of services to the whole basket from 17% in 2003 to 20% for this survey.

Overall, the global average price of the basket is USD 400. The large price gaps in services prices reflect significant differences in wage costs as well as the fact that many services are not subject to international trade. Services cost most in Western Europe and North America, where its overall price tag is well above USD 500. The cheapest regions in this respect are Africa and Eastern Europe, where prices on average do not exceed the USD 280 mark. At city level, services are relatively expensive in Oslo (USD 740).

An issue that attracted our attention in previous years was the relatively high price of an overnight stay (for two persons) in a double room suite of a first-class hotel of international standards in cities with a generally low overall price level. We decided to add an enquiry about an equivalent service at a 3 stars local hotel to find out weather there was a relative price difference between international and local service standards. Indeed, whereas top-class hotel prices deviate only 28.5% from the global average, prices of medium-level hotels diverge almost 40% from the worldwide mean. An additional subject that stands-out in 2006 vis-à-vis 2003 is the lower prices for telecommunication services. This decline may reflect the impact of more competition in the sector due to liberalization measures undertaken in several countries.

Methodology Weighted basket of 27 services.

International wage comparison

Dorothea Fröhlich, Oliver Futterknecht, Karin Schefer

International wage comparison

Gross earnings are highest in Scandinavia and Switzerland: Copenhagen, Oslo, Zurich and Geneva top the rankings in our international comparison of wages. Gross wages in Mumbai, Delhi, Jakarta and Manila amount to less than 10 percent of the wages in the top-ranked cities. By region, the highest gross hourly wages, an average USD 16–17, are paid in Europe and North America. In Asia, a worker receives an average USD 5 per hour before taxes and social security contributions; in Eastern Europe and South America that average is just USD 4.

There are often substantial wage differences within individual cities for various job profiles. These differences are often based on the type of employer. Especially in emerging and developing countries, wages are markedly lower in the public sector than they are in the private sector. And within the private sector, a further distinction can be made between local companies and international corporations.

Sofia, Bulgaria, is typical of many cities in our survey. An elementary school teacher there earns just under USD 2100 per month, while a secretary in the private sector takes home almost double that amount. At just under USD 7700 a product manager in the Bulgarian capital earns substantially more – due mainly to the fact that this job profile is in demand, particularly among international or large domestic companies. In addition, state workers benefit the least from increases in productivity, which are at least partially passed on to workers in the private sector in the form of higher wages.

The primary reason for wage differences, however, lies in the level of education or work experience. The category of highly qualifed jobs includes heads of department, engineers and product managers, who, thanks to a higher level of education (university or technical college qualification), can perform demanding tasks. For the sake of consistency, we set a minimum of five years' professional experience in our questionnaire. Based on this qualification, product managers earn a global average of USD 43500; and engineers just under USD 36700. Lacking a formal professional education, construction workers have to get by on an average USD 15800 and factory workers on USD 13700.

Notably, according to our survey, global discrepancies in wages are larger than those of prices. This is at least partly explained by the composition of the basket of commodities, which is based on Western consumer habits: local preferences often result in a far lower cost of living in many cities. In Asia, for example, less bread is consumed, while heating oil costs in Peru and Kenya are virtually nonexistent.

In contrast to price levels, wages in many countries have barely increased since our last survey, in 2003. The outsourcing of jobs to low-wage countries, a practice which has continued to grow over the years, has led to a drop in industrial employment in Western Europe and North America. Outsourcing mainly affects

professions with a low level of qualification, shrinking job opportunities available to affected workers. And in the countries benefiting from the outsourcing trend, there may be more employment opportunities, but little evidence of rising wages. A constant influx of job-seekers into the big cities, coupled with often rudimentary labor laws in emerging countries keep wage growth low for the time being.

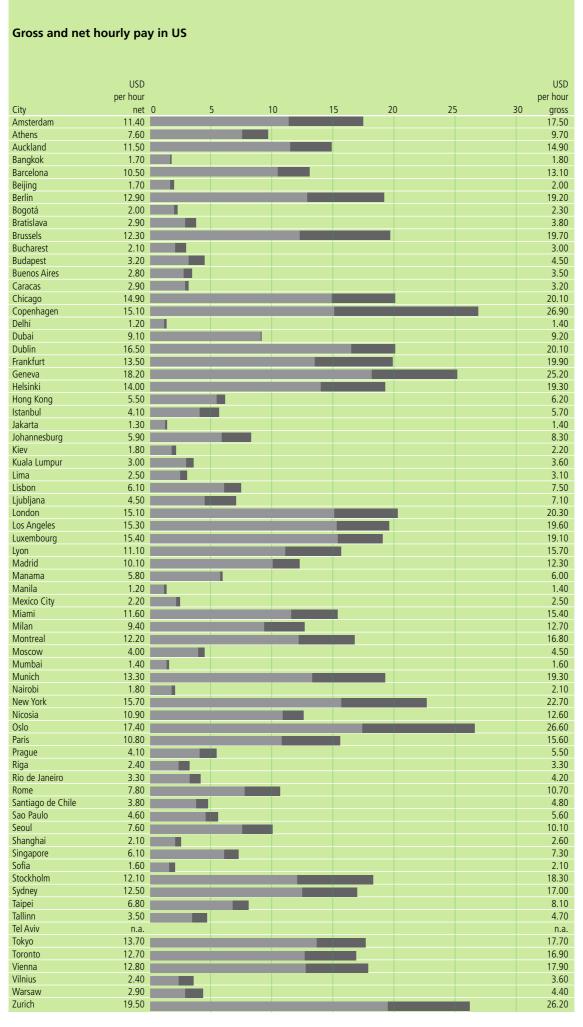
Methodology

Wage comparisons always involve a certain degree of estimation and extrapolation. In some cities, it proved exceptionally difficult to collect concrete information on wages and social security deductions. Our table of wages and salaries covers 14 occupations; one new profession of a call center agent has been added to the comparison since the last issue of "Prices and Earnings". On the one hand, these professions were selected to represent a cross-section of the workforce in the industrial and service sectors. On the other hand, the professions were selected with an eye to being able to collect and delimit comparable data the world over. For this reason, we came up with detailed questionnaires on age, personal status, education and length of employment and used these as the basis for inquiries at representative companies in each city. Because our figures do not represent statistical averages, and their collection was limited to just a few companies for each profession, a choice of different firms might produce different results. The complete tables are in the appendix on pages 40-47.

Gross income: Annual gross income including fringe benefits such as profit sharing, bonuses, holiday pay, additional months' salary payments, family allowances).

Taxes and social security contributions: Income tax, taking into account marital status and standard allowances; social security payments: mandatory contributions by employees to statutory pension, disability and unemployment insurance as well as to state medical insurance. Social security contributions also include employee contributions to occupational health and pension insurance, if they are customary in the city or country concerned.

Net income: Gross income after taxes and social security contributions.



- Gross income in USD per hour
- Net income in USD per hour

Methodology

Effective hourly wage in 14 professions, taking into account working hours, paid vacation and legal holidays. Weighting according to distribution of professions.



[■] Total taxes and social security contributions in % of gross wages.

Methodology

Income tax and mandatory or customary social security contributions (see p. 26).

¹ Including basic health care insurance

n.a. = not available.

Deductions equal almost a quarter of gross salary

The country in which a company or employee is located profoundly affects the burden of taxes and social security contributions on gross income. The global average of tax and social security deductions in the 71 cities surveyed amounted to around 23%, with the 14 selected occupations weighted in terms of their share of overall employment and income and their gender breakdown. In Europe, the impact of deductions on net income is much greater than our average, particularly in cities in the northern and eastern cities of the region. The tax leaders are Copenhagen (44%) and Brussels (39%), followed by Ljubljana, Oslo, Amsterdam, Stockholm, Warsaw, Vilnius, Frankfurt and Berlin, where at least a third of gross wages is deducted. In contrast, Madrid, Dublin (both 18%), and Luxemburg and Barcelona (both 19%) are relative tax havens in Europe. Payroll deductions are lowest worldwide in Bangkok, Jakarta, Mexico City, Bogotá and Caracas, where less than 12% of gross income – which itself is generally modest – goes to taxes and social security contributions. In Dubai (1%) and Manama (2%), state deductions are practically nil. From a regional perspective, North America (26%) also carries a relatively heavy deduction burden, right behind Europe (28%), as compared to only around 9% of gross income in the Middle East, 16% in South America and 17% in Asia.

Compared with our survey conducted three years ago, the average deductions for tax and social security contributions have remained fairly constant. However, these burdens increased by four percent or more in Johannesburg, Santiago de Chile, Sofia, Prague, Oslo, Paris, Kuala Lumpur, Rio de Janeiro and Nairobi since our last look. Cities with an improved position in the listing include Dublin, Milan, Rome, Toronto and, in particular, Singapore.

High net incomes in Switzerland and the U.S.

After deducting taxes and social security contributions, employees in Swiss, American and some Northern European cities earned the most. The weighted average net hourly wage for our selected 14 occupations amounted to USD 19.50 in Zurich, around USD 18.20 for Geneva, approximately USD 17.40 for Oslo and Dublin and just under USD 16 in New York. Despite the declining US dollar, New York and Los Angeles held steady with their fifth and eighth place rankings respectively. Chicago, however, fell back six slots, and Miami eleven. Exchange rate movements had a quite favorable influence on rankings for Rio de Janeiro, Saõ Paulo, Sydney, Auckland and Bratislava, which together with Buenos Aires and Dublin moved up six slots or more compared with our survey three years ago.

The average net hourly wage for all cities surveyed was USD 7.85. Considered regionally, workers in North America and Western Europe received the highest net wages at an average USD 13–14 per hour, followed by Oceania with a solid USD 12; while employees in Eastern Europe (USD 3) and South America (USD 3) earned the least. Workers in Delhi, Manila, Jakarta, Mumbai, Sofia, Bangkok and Beijing earn less than USD 1.80 per hour net. In Kiev, Nairobi, Bogotá, Shanghai, Bucharest, Mexico City, Riga and Vilnius, net hourly wages range between USD 1.80 and USD 2.40. ■

Welfare and tax systems

Public services, healthcare and welfare systems are not equally well-developed in every country. The percentage of gross wages deducted for taxes and social security contributions therefore varies from city to city. Although comparing taxes and social security contributions as a percentage of gross wages is a good indicator of income actually available for private consumption, it should not be forgotten that social security contributions may also make up a portion of personal expenditure, for example, in case of illness or for personal pension schemes. In a global comparison, deductions are highest in Scandinavia, yet many services such as childcare are available to all at no extra cost, employment is supported and a minimum wage is assured. Another example of how local conditions impact disposable income is health insurance. In Switzerland, for example, although basic insurance is obligatory, contributions are unrelated to income (subsidized for very low income residents). Conversely, the data

on contribution rates gives an incomplete picture of the tax burden, as only direct income taxes have been recorded. In addition, reforms resulting in lower tax rates are often offset by increasing the sales tax. The resultant reorganization of national tax regimes in turn produces distortions in the data compared here. Singapore is a good example, where the trend toward a lower income tax burden has been balanced by a corresponding rise in indirect taxation.

Tax systems also affect wage disparities within a city. While the progressive tax systems prevalent in western countries actively reduce any disparity in wages, particularly in respect to midrange incomes, many emerging and developing countries fail to reduce differences through proportional tax systems, leaving the wage-gap wide open, even when comparing net wages. For example, direct income tax is 13% in Moscow, regardless of the income level. In Germany, tax rates rise progressively to a maximum of 42%.

Working hours and vacation days

| | Working hours | Vacation days ¹ |
|---------------------------|---------------|----------------------------|
| City | per year | per year |
| Amsterdam | 1687 | 25 |
| Athens | 1714 | 24 |
| Auckland | 1686 | 20 |
| Bangkok Barcelona | 2023 1758 | 10 |
| Beijing | 2064 | 9 |
| Berlin | 1611 | 29 |
| Bogotá | 2065 | 15 |
| Bratislava | 1760 | 20 |
| Brussels | 1672 | 21 |
| Bucharest | 1771 | 21 |
| Budapest Buenos Aires | 1834 2053 | 26 18 |
| Caracas | 1918 | 16 |
| Chicago | 1971 | 17 |
| Copenhagen | 1644 | 22 |
| Delhi | 2121 | 15 |
| Dubai | 2050 | 29 |
| Dublin | 1727 | 21 |
| Frankfurt | 1650 | 29 |
| Geneva Helsinki | 1795 1603 | 23 |
| Hong Kong | 2231 | 9 |
| Istanbul | 2023 | 15 |
| Jakarta | 2013 | 12 |
| Johannesburg | 1902 | 21 |
| Kiev | 1712 | 23 |
| Kuala Lumpur | 2024 | 16 |
| Lima | 2052 | 25 22 |
| Lisbon Ljubljana | 1708 1756 | 22 |
| London | 1782 | 20 |
| Los Angeles | 1957 | 11 |
| Luxembourg | 1725 | 25 |
| Lyon | 1572 | 25 |
| Madrid | 1724 | 22 |
| Manama (Bahrain) | 1965 | 21 |
| Manila Mexico City | 2042 2266 | 13 |
| Miami | 1809 | 14 |
| Milan | 1744 | 25 |
| Montreal | 1795 | 12 |
| Moscow | 1643 | 22 |
| Mumbai (Bombay) | 2205 | 17 |
| Munich | 1649 1984 | 27 |
| Nairobi New York | 1869 | 21 13 |
| Nicosia | 1753 | 22 |
| Oslo | 1627 | 24 |
| Paris | 1481 | 27 |
| Prague | 1771 | 20 |
| Riga | 1737 | 20 |
| Rio de Janeiro | 1709 | 30 |
| Rome Santiago de Chile | 1747 2077 | 21 17 |
| Sao Paulo | 1736 | 30 |
| Seoul | 2317 | 10 |
| Shanghai | 1969 | 9 |
| Singapore | 2041 | 12 |
| Sofia | 1871 | 20 |
| Stockholm | 1726 | 25 |
| Sydney Taipei | 1682 2143 | 23 12 |
| Tallinn | 1746 | 20 |
| Tel Aviv | n.a. | n.a. |
| Tokyo | 1954 | 18 |
| Toronto | 1731 | 15 |
| Vienna | 1649 | 25 |
| Vilnius | 1744 | 21 |
| Warsaw | 1772 | 24 |
| Zurich | 1808 | 23 |

Working hours and vacation days

The global average number of vacation days and hours worked per year is 20 and 1,844, respectively. Our 2006 survey shows once more that working hours are the longest in Asian cities (regional mean of 2,088 hours per year). Seoul, with 2,317 hours per year or 50.2 hours per week, is at the top of the international ranking. In Hong Kong (2,231), Mumbai (2,205), Taipei (2,143) and Delhi (2,121), workers are also subjected to long working hours. One reason why yearly working hours in Asia are considerably longer is the fact that working weeks for some of the professions in our survey amount to six days, compared to a five-day working week in Europe. Asia also stands out in terms of paid vacation days, once again on the negative side. It is the region where employees are entitled with fewest days per year, namely 12, considerably less than the global average of 20, let alone the standard 30 days in the top ranked Brazilian cities.

Western Europe, by contrast, is very attractive for employees who value their leisure time. On average, the region is relatively generous when it comes to vacation days, although these can vary to a large extent among cities. In Berlin, for example, workers have a total 29 paid vacation days per year − eight days or one-and-a-half working weeks more than in London, Dublin or Rome. Regarding working hours, Western Europe also excels with an average of 1,687 working hours per year, or 39 hours on a weekly basis. Here again, the differences within the region are important. The regional average is only exceeded by the Middle East (1,558 and 35, respectively) and matched by Oceania (1,684 and 39). The French capital Paris is the absolute top city of our survey when it comes to leisure time, with only 1,481 hours per year, or 35 per week, dedicated to work. Another seven Western European cities belong to the top ten in this regard. ■

Method

Annual working hours including vacation (paid) and legal holidays; weighted average of 13 professions (excluding elementary school teachers).

¹ Paid working days (excluding legal holidays).

n.a. = not available.

Analysis

Dirk Faltin, Dorothea Fröhlich, Daniel Kalt

The internal market and euro drive price convergence in Europe

Price convergence is regarded as a key indicator of market integration and efficiency. Our study confirms a reduction in price differences within the EU and the Eurozone since the early 1990s. European price convergence seems to have been driven mainly by two integration efforts: the internal market program and the introduction of the common currency.

One of the main aims of the European integration process is to raise the living standards in member states. The creation of a unified internal market, with free movement of people, goods, services and capital, is the centerpiece of the EU's ambitions. The project for a single domestic market was begun in 1985 by the former president of the European Commission, Jacques Delors, and came into force on January 1, 1993. Starting in 1985, EU institutions and member states have drawn up and enacted a great many directives aimed at removing technical, regulatory, legal, bureaucratic and cultural barriers to free the movement of goods and people within the Union.

Common internal market and currency union as catalysts

Another important milestone on the road to integrating the economies of member states was the introduction of the euro in 2002. At present, twelve states use the common currency. Lowering trade barriers and standardizing competitive conditions were intended to increase competitiveness and lead to an expansion of trade among member states. Under the plan, companies in the member states are allowed unrestricted access to the more than 460 million consumers in the Union. The goal of this plan is to garner size and efficiency benefits, which tend to lead to lower production costs and, in turn, to higher profits and lower consumer prices.

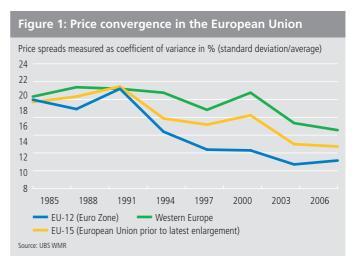
The lower transaction costs and the greater market transparency brought by the common internal market would necessarily result in reduced price differences between countries. This order of convergence in the level of prices should first become apparent in internationally tradable goods and services. Given the convergence of national incomes between richer and poorer countries, a degree of price harmonization in the area of non-tradable goods largely excluded from international competition should also result. This reduction in price differences for comparable goods and services is an important indicator of market integration and thus for the success of the common internal market.

Price convergence is not a linear process

To measure price convergence on the basis of UBS's city data for 2006, we calculated so-called "variation coefficients" (average deviations from the mean value). Fig. 1 shows that the average price spread for all classes of goods increased from 1985 until the start of the common internal market at the beginning of the 1990s among then-member states. From about 1991, a phase began in which price differences in the EU countries decreased significantly. In our data, this phase of price convergence is evident between 1991 and 1997, and can be considered the result of efforts since 1985 to create a common internal market. By the end of the 1990s, however, the trend appeared to have run out of steam.

In the 12 countries of the Eurozone, the price spread remained virtually unchanged between 1997 and 2000. Indeed, there was even a renewed divergence in prices among all 15 EU member states at the time. In the subsequent period, from 2000 to 2003, there was a considerable decrease in price differences in both the Eurozone and within the 15 EU member states. In all probability, this can be traced to the second push toward convergence due to the launch of the euro. The data collected in the latest UBS price survey in 2006 show that this trend has petered out, with the price spread remaining practically unchanged for the last three years. This would suggest that price convergence is not a linear trend: Following every previous drive toward integration, a phase of strengthened price convergence has ensued, only to fizzle out after a few years.

| (EU-12 = 100) | | | | | |
|---------------------|------------------|---------|-----------------|----------|--------------------------|
| Product category | Highest price | Country | Lowest price | Country | Coefficient of variance* |
| Durable househ | | | | | |
| appliances | 114.7 | Austria | 87.4 | Portugal | 7.7 |
| Clothing | 118.0 | France | 87.3 | Portugal | 11.6 |
| Foods | 123.1 | Finland | 84.2 | Greece | 11.6 |
| Services | 131.7 | Finland | 75.0 | Greece | 16.4 |
| Rent | 146.4 | Irland | 67.5 | Irland | 24.3 |
| Pulic | | | | | |
| transportation | 172.8 | Germany | 40.9 | Greece | 38.4 |
| Total outlays | 115.3 | Finland | 81.5 | Portugal | 11.6 |



Not all prices can converge

Note, however, that a number of factors are at play in determining price convergence, and these factors can certainly lead to a temporary break in a long-term trend as well. For example, currency exchange fluctuations can have a considerable effect on the price differential between countries. Also, when interpreting the data, it is important to bear in mind that price convergence in each group of goods can develop in completely different ways. It has already been mentioned that goods marketed internationally normally exhibit a narrower price spread than goods and services that are not. Fig. 2 shows the price spread measured by the coefficient of variance for durable household appliances – in other words, internationally marketable goods – and for public transport prices, which do not have substitutes across national borders.

It becomes clear that price convergence is far more advanced for household appliances than for local transport. Following a phase of convergence in the 1970s and '80s, the spread for travel costs has remained practically unchanged since the beginning of the '90s. By the same token, price differences in household appliances have diminished consistently in the same period. That said, the UBS city data show that price convergence has not continued during the last three years. The differences between the price spreads of various goods classes are illustrated by the variation coefficients (Table). They show that goods generally have a lower price spread than services, since goods are not as well suited to international trade.

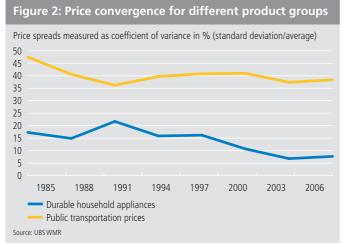
The Eurozone is the most integrated area

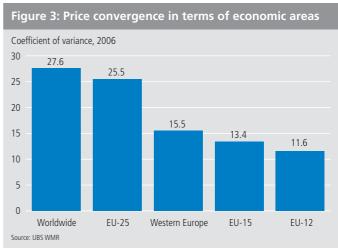
Similarly, clear trends can also be seen in the geographical distribution of price convergence. Here, the UBS city data suggests that convergence is greater where economic integration is most advanced. Fig. 3 shows that the price spread in the Eurozone (EU-12) is the lowest, followed by the EU-15 (i.e., the European Union prior to its recent eastward expansion). Western Europe follows, which, despite the inclusion of expensive (and non-EU members) Switzerland and Norway, has a narrower price conver-

gence than the EU-25. The addition of the new members, above all the Eastern European states, has widened the price spread. When interpreting these facts, it should be remembered that geographical proximity automatically produces closer price convergence owing to the lower transport costs. Fig. 1 thus not only shows a realignment brought about by institutional changes, but also reflects the physical proximity of the member states.

Could opening the services market give a new boost to convergence?

In summary, the UBS city data confirms a reduction in price differences within the EU and the Eurozone since the beginning of the 1990s. They show that prices tend to harmonize at a lower level, indicating increasing market efficiency. As expected, prices of internationally tradable goods and services tend to harmonize more guickly than their non-tradable counterparts. This is noticeable above all in the larger price spread for services, which are generally less tradable across borders than are goods. Price convergence in the EU and the Eurozone appears to have been driven mainly by two integration measures – the common internal market program at the beginning of the 1990s and the launch of the euro in 2002, with the effects then petering out again after a few years. A services directive recently passed by the European Parliament, which envisages opening the services market across national borders, could give a boost to greater convergence in the EU. Once the directive comes into force – likely to be in January 2007 - its various directives will have to be written into national laws by the end of 2009. Whether or not this gives a jolt to greater convergence, particularly in the services sector, may well feature in the UBS price comparison for 2009.





Highly differentiated housing prices

Expatriate managers, local elites and average wage earners all need somewhere to live; property developers attempt to serve, and profit from, these market players and governments also influence the interaction between the parties. The following analysis examines several aspects of the housing dynamic.

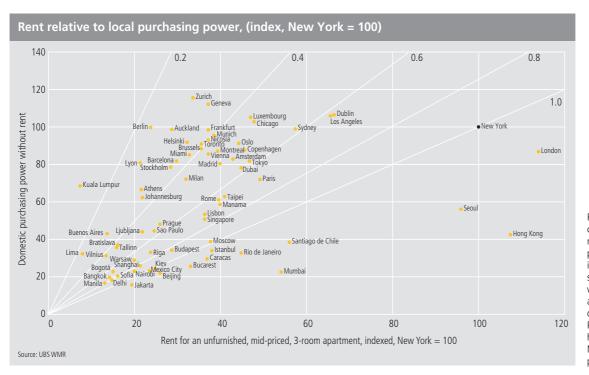
Expensive luxury apartments are easy to find in almost all cities. More time may be required to locate an "average" apartment according to local standards, however, and special wishes regarding the location and quality of the dwelling may also severely limit choices and raise prices. Highly differentiated housing markets in our survey cities result in large local price gaps for a host of factors. Besides location factors – centrality, hours of sunlight, view, noise and available infrastructure in the district – other criteria for housing choices include quality features such as size, floor plan and the standard of the fittings, etc. Housing prices are also influenced by specific local demographics.

High rents at the top despite low domestic purchasing power

Local residents rarely rent luxurious furnished apartments. These residences are usually reserved for foreign executives, who are often confronted with rents in this category of more than EUR 9,000 per month. Locals who can afford expensive housing without the support of a company prefer to buy their properties, since this is more cost-efficient in the long term. In many countries, but particularly in Eastern Europe, costly foreign managers are increasingly being replaced by local employees who do not yet have the purchasing power to demand top standards. As a result, Prague and Bangkok, among others, now have a demand

vacuum in the luxury apartment segment. The demand from foreign, company-financed apartment-seekers declined in these cities faster than domestic purchasing power increased. In Beijing and Shanghai as well, demand in this segment has abruptly fallen off. However, this is largely a result of easing highly restrictive rules on where and how foreigners could live. State intervention had led to a concentration of demand that could not be sustained in a free market.

Most real estate developers regard the high-end market segment as very attractive and concentrate their efforts there, regardless of whether the final customer wants to rent or buy. For one thing, construction costs for this segment - excluding interior design – are only fractionally higher than for lower-priced segments; hence profits can be disproportionately high. Construction sites in good locations are expensive, but the costs are frequently passed on to the buyer in the form of a location premium, which might amount to a multiple of the actual cost to the developer. Finally, suppliers in this segment are often able to market their name and image. The developers of the Ice Tower in Panama City, for example, years before its construction, rely on its reputation as Latin America's tallest skyscraper as a sales point. This can lead to speculative and excessive "mega projects" in many cities. And many South American property developers bank on retiring baby-boomers from the north to benefit from the lower prices in the region, and its warmer weather. In Asia, on the other hand, many players assume that the current rate of economic growth will continue unabated, and are busy creating stocks of luxury accommodations. As a result, the luxury sector in many cities had high vacancy rates at the time of our survey. In Shanghai the figure was 18.5%, in Beijing 29.0% and in Jakarta



Relative to the local purchasing power (excluding rents), rents are more expensive in some cities than in New York (New York serves as the reference city with an index value of 100) and much less expensive in others: apartements in Prague and Amsterdam cost half as much to rent as in New York relative to local purchasing power.

as much as 34%. Kuala Lumpur (< 1%) is an exception: virtually no new building projects have begun there in the last three years. The picture is slightly more uniform in Europe and North America, where over-expansion of supply is often limited by more restrictive financing policies and city planning requirements. In the long term, the increasing number of locals in the high-income bracket, as well as the influx of foreigners, will support the demand for expensive dwellings. But in the short-term view, local purchasing power will be unable to absorb the fast-growing supply. Thus, large variations in the number of foreign buyers and renters make prices in this segment particularly volatile.

Scanty supply of affordable rentals

Around the world, most people live in accommodations that reflect domestic purchasing power and each family's income. In contrast to the top segment, this type of dwelling may vary enormously in character from city to city. Residences in cities with high rents relative to purchasing power are on average smaller, with a higher density of persons per household. Residential conditions also differ from region to region. While it is guite normal in Western Europe to rent a three-room apartment, more and more Eastern Europeans own their properties. Older Eastern Europeans often acquired their apartments from the former government, which they were then able to buy at below-market prices during the transition to the market economy. The rental apartment segment in these cities is thus only now developing with new arrivals and a young, independent generation emerging as a middle class. Among the younger locals, the motivation to leave the parental home and live independently is high, creating strong demand for modern, good quality but affordable one- and two-room apartments. In European and North American cities, on the other hand, rented apartments have a long tradition. Many cities in these regions enjoy strong domestic purchasing power and, above all, a more balanced distribution of income than seen in newly industrialized and developing countries. There is thus high demand in almost all sectors, not only for cheap rental apartments, but also for properties in the middleand high-end segments. Out of yield considerations, this has also led large construction projects concentrating on rental accommodations for this segment, rather than on the lower end of this market. The privately owned supply of affordable accommodation is correspondingly small, which is why the public sector and/or housing associations step into the breach in many cities to supply cheaper places to live.

The high demand for affordable apartments coupled with their deferred construction has created shortages in this segment in many cities. As a result, rents in this segment have increased faster than in other segments in many cities. For example, after allowing for inflation, rents in Rio de Janeiro and São Paolo have more than doubled since our last survey. Contributing to this increase is the fact that the mortgage markets in a great many newly industrialized countries are inefficient, or simply do not exist in any practical sense. The owner-occupier market has not

yet been able to develop in these countries to ease the strain on the market for rental properties, as it has in western countries. In some cities, however, a different trend in rents could be observed: Rents in the low-end of the market have risen more moderately than, say, prices for owner-occupied apartments and houses. This is not only due to strict rules on rental accommodation, limiting the extent of rent increases. An environment of low interest rates since our last survey has also favored this trend. In countries with attractive mortgage markets, the low interest rates have shifted a considerable portion of housing demand to the home-owner market and pushed up prices there. In the long term, arbitrage mechanisms anticipate a similar development of prices in the owner-occupier and rented accommodation markets.

Income and leisure: Two differently valued elements of prosperity

Hard-working Americans, idle Europeans? A study of historic data from "Prices and Earnings" indicates that Europeans have reduced work hours in favor of more leisure time. In contrast, Americans and Asians are apparently more interested in the extra income. Income and leisure determine prosperity, but more time off only translates into better quality of life once income hits a sufficient level.

Over the last several years, the substantial discrepancy between the performance of the European and US economies has been the subject of repeated discussion, with a wide range of explanations being offered. Our Research Focus on the economic impact of aging¹ has suggested that the change in number of hours worked in different countries is the main explanation for the divergent economic growth rates. Figure 1 shows the range of growth factors for individual national economies. Europeans have clearly opted to reduce their working hours over the last 20 years in order to enjoy more leisure time. This has led to a slowing of economic growth in Switzerland, Germany and France by 0.3% to 0.5% annually. In contrast, American workers maintained their high number of working hours throughout the period between 1980 and 2004 at practically unchanged levels. At the very least, the development of working hours there had no significant negative effects on economic growth. The US thus has taken less time off than Europe, and in contrast has experienced a greater increase in income.

These facts support the widely held stereotype of "lazy" Europeans and hardworking Americans, though they tell us nothing about quality of life. Comparing hours worked ignores the fact that free time also generates utility, thus warranting inclusion in any analysis of economic prosperity as a second key component, next to income levels. Below, we will take a closer look at this problem, using historical data from "Prices and Earnings" reports.

¹ UBS WMR 2006 "The coming of age" Figure 1: Comparison of GDP growth contributions Contribution to average real GDP growth 1980-2004 3.5 3.0 2.5 2.0 2.0 1.0 0.5 0 -0.5 Switzerland Population Working hours Productivity Capital ■ GDP Sources: UN, Penn World Table 6.1, Universtität Groningen, UBS WMR

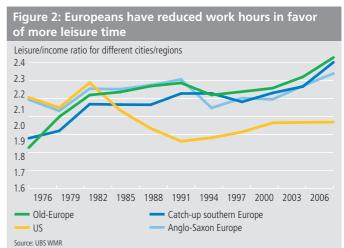
Historical data confirms divergent preferences theory

As the "Prices and Earnings" report has been produced since the early 1970's in practically unaltered form, it provides a unique database for this subject (see box for further details on data and methodology). The available data on the cost of living, net salary/wage levels and annual hours worked permit the calculation of a time off/income ratio for a range of European cities and the three US cities included in the study. We have proceeded by dividing Europe into these three groups:

- "Old Europe" (average for Luxemburg, Helsinki, Oslo, Paris, Stockholm, Vienna, Zurich, Milan, Amsterdam, Brussels, Copenhagen, Düsseldorf, Frankfurt, Geneva)
- "Up-and-coming Southern Europe" (Athens, Lisbon, Madrid)
- "English-speaking Europe" (London, Dublin)

The city groups "Old Europe" and "Up-and-coming Southern Europe" have both seen an increasing time off/earned income ratio since 1976, from around 1.9 up to nearly 2.3. US workers in the three cities surveyed (New York, Los Angeles, Chicago) have in contrast sacrificed time off in the interest of greater income, the applicable ratio falling from 2.2 to about 1.9. Thus data from previous "Prices and Earnings" confirms our original thesis that more robust economic growth in the US is in part attributable to a greater number of hours worked.

Including Asian cities within the scope of our analysis reveals that workers from this economic area have equally reduced their time off/income ratio over the last 30 years, and that these levels were substantially lower than in American cities to begin with. This supports the stereotype of "industrious" Asians, and is scarcely a surprise, as income levels in Asian cities during the period in question were far below the European and American averages. Starting from low initial levels, work hours can be expected to rise along with rising incomes until a certain point is reached. The opportunity costs of longer work hours only start to



Data and methodology

Earned income and leisure time off weightings

The publication "Prices and Earnings around the Globe" provides consistent sets of data on 36 major international cities going back to 1976, updated every 3 years, including the following:

- The cost of an identical basket of goods designed around the preferences of Western consumers in each city
- 2. The average net hourly wages for 12 different occupations (only 9 occupations 1976 through 1979, in 2003: 13 occupations, in 2005: 14 occupations)
- 3. The average annual number of hours worked
- 4. The annual hours worked, multiplied by average net hourly wage, yields average annual income for a particular city
- 5. Points 1) and 4) allow computing an effective purchasing power index for city-specific wage levels; i.e., the number of baskets of goods purchasable during a particular year on an average annual income.
- 6. Assuming eight hours a day are required for sleep and commuting allows computing annual time off on the basis of annual hours worked. Because individuals theoretically act to maximize utility, every additional hour worked may consequently be assumed to generate the same amount of utility as the hour off work that would have to be sacrificed to perform that additional extra hour of work. The marginal utility of an extra hour of time off is the same as that of an additional hour of work. Hours of time off can therefore be equated in value to an hour worked, i.e., the number of baskets of goods that could be purchased for each hour worked.

Point 5 yields the effective working time (number of baskets of goods purchasable per average annual income); point 6 yields the effective time off implied per "baskets of goods" unit.

Utility: combining income and leisure time off within a single calculation of prosperity

We are assuming that economic prosperity is a function of net earned income and the number of hours of time off enjoyed. A city where it is possible to work less, i.e., enjoy more time off, will afford comparatively greater prosperity, given equal income levels. A measure for economic prosperity should thus be applied combining the two elements income and time off. To arrive at this, we employ the concept of utility, factoring in the two inputs of income and free time as outlined under points 5 and 6, in what is known as the "Cobb-Douglas utility function":

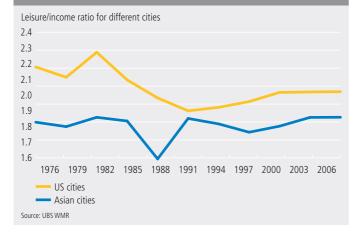
$$U = (Y)^{\alpha} x (L)^{(1-\alpha)}$$

In the above function, U represents utility, Y represents income and L represents time off for a given city. α indicates the weighting of income/time off within the utility function. For simplicity's sake we have assumed that $\alpha=0.5$, meaning an equal weighting of the baskets of goods obtainable through earned income and time off. Entering income and time off values into the utility formula above yields the economic utility, a prosperity unit applicable for all cities over the entire period for which data is available

rise once a particular income level is attained, when people can "afford" to take more time off.

But is it really possible to accurately measure and compare differing income levels and amounts of leisure time for different cities by the same yardstick? How, for example, can an annual income of USD 33,100 and 3,900 hours of time off in Chicago be compared with an annual income of USD 22,200 and 4,200 hours of time off in Paris? The most popular economic measure applied

Figure 3: Asian and US workers kept working hours high



for these purposes is the concept of utility, i.e., the usefulness afforded by goods of different types.

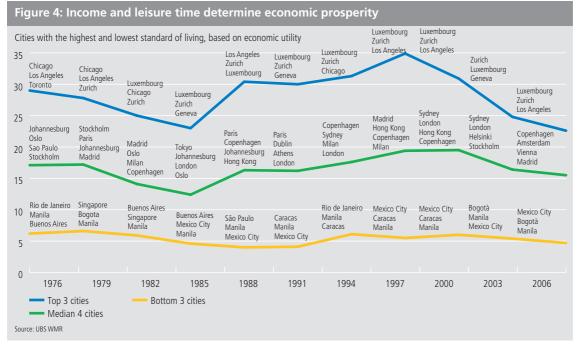
Utility analysis: Income and time off determine prosperity

In this last section we attempt to come up with a unified measure of economic prosperity applicable across different cities and incorporating the two factors income and time off. This indicator is based on the concept of economic utility (see box for details). We proceeded by computing averages for the three highest scoring cities, the three lowest scoring cities in terms of utility and the four cities occupying the middle range (median) of the representative group of 36 cities. Figure 4 presents the results of this utility analysis.

Unsurprisingly, the cities with the highest net income came out ahead in this analysis, while cities from developing or emerging market countries with relatively low-income levels landed at the bottom of the utility scale. One noteworthy point is that the three North American cities Chicago, Los Angeles and Toronto, which were top-ranked at the start of the period of observation, gradually fell behind a number of European cities in utility. It thus appears that the Europeans' tactic of steadily reducing work hours in favor of more free time was in fact the "right decision," applying the definition of economic prosperity/utility employed here. This presumes, however, that European and American

workers derive the same utility, i.e., that they value employment income and free time identically, thus weighting the constituent elements of utility the same way. This presumption is not strictly correct, as it is entirely possible that Europeans have a stronger preference for leisure time than Americans. While this does bear consideration, the utility analysis provided here offers a number of interesting insights into the quality of life enjoyed in different

cities. First and foremost of these is the conclusion that income is the primary driver of economic prosperity. Once income reaches a certain level, people are then in a position to think about the potential of deriving greater marginal utility from additional time off, taking into account slightly lower earned income. Europe and the US have taken divergent paths in this regard, as our survey data re-veals.



Income is the primary driver of economic prosperity: cities with the highest net income also have the highest standard of living, based on economic utility. However, once income reaches a crived from more leisure time increases.

Appendix

Earnings and working hours of professions from the

Industrial sector

Car mechanic
Building labourer
Skilled industrial worker
Factory worker
Engineer
Department head

| Incomes and working | hours |
|-------------------------------|-------|
| of car mechanics ¹ | |

| | Gross | Net | |
|-----------------------------|--------------------|--------------------|------------------|
| | income | income | Weekly |
| City | per year in USD | per year in USD | working hours |
| Amsterdam | 30,700 | 20,700 | 39 |
| Athens | 15,700 | 12,600 | 40 |
| Auckland | 28,400 | 22,100 | 40 |
| Bangkok | 3,200 | 3,000 | 45 |
| Barcelona | 24,600 | 19,700 | 40 |
| Beijing | 4,500 | 3,900 | 44 |
| Berlin | 32,700 | 21,200 | 37 |
| Bogotá | 3,300 | 2,900 | 47 |
| Bratislava Brussels | 8,400 38,100 | 6,500 22,800 | 42 38 |
| Bucharest | 4,600 | 3,200 | 4(|
| Budapest | 8,900 | 6,100 | 42 |
| Buenos Aires | 6,200 | 5,200 | 42 |
| Caracas | 5,200 | 4,600 | 40 |
| Chicago | 43,800 | 32,800 | 43 |
| Copenhagen | 49,800 | 28,800 | 37 |
| Delhi | 1,900 | 1,900 | 48 |
| Dubai | 12,300 | 12,300 | 46 |
| Dublin Frankfurt | 34,400 | 27,700 | 39 |
| Frankfurt | 33,200 | 22,000 | 39 42 |
| Geneva Helsinki | 42,600 30,900 | 30,300 22,400 | 38 |
| Hong Kong | 13,200 | 12,500 | 40 |
| Istanbul | 8,700 | 6,200 | 40 |
| Jakarta | 2,500 | 2,400 | 48 |
| Johannesburg | 15,700 | 11,000 | 45 |
| Kiev | 3,600 | 3,000 | 38 |
| Kuala Lumpur | 8,800 | 7,400 | 40 |
| Lima | 6,800 | 5,500 | 48 |
| Lisbon | 12,000 | 10,000 | 40 |
| Ljubljana | 10,800 | 7,000 | 40 |
| London | 32,800 | 24,400 | 43 |
| Los Angeles | 39,500 | 31,200 | 45 |
| Luxembourg Lyon | 26,100 30,200 | 21,900 21,100 | 40 |
| Madrid | 18,700 | 15,500 | 38 |
| Manama | 6,400 | 6,100 | 4: |
| Manila | 2,000 | 1,800 | 44 |
| Mexico City | 3,600 | 3,400 | 45 |
| Miami | 31,300 | 23,700 | 40 |
| Milan | 20,400 | 15,300 | 40 |
| Montreal | 33,800 | 23,600 | 39 |
| Moscow | 13,000 | 11,400 | 44 |
| Mumbai | 2,200 | n.a. | 48 |
| Munich Nairahi | 31,300 | 21,100 | 39 |
| Nairobi New York | 3,100 42,800 | 2,800 30,300 | 4 |
| Nicosia | 25,200 | 22,800 | 40 |
| Oslo | 49,900 | 32,300 | 37 |
| Paris | 20,900 | 14,700 | 35 |
| Prague | 10,600 | 7,700 | 40 |
| Riga | 8,100 | 5,900 | 38 |
| Rio de Janeiro | 4,500 | 4,500 | 4 |
| Rome | 19,600 | 14,700 | 40 |
| Santiago de Chile | 9,300 | 7,400 | 48 |
| Sao Paulo | 9,400 | 7,600 | 40 |
| Seoul Shanghai | 9,300 | 8,000 5,000 | 54 4(|
| Shanghai Singapore | 6,100 14,800 | 5,000 11,800 | 40 |
| Sofia | 5,700 | 4,200 | 43 |
| Stockholm | 32,700 | 21,700 | 40 |
| Sydney | 26,200 | 20,200 | 41 |
| Taipei | 19,200 | 16,300 | 5 |
| Tallinn | 10,000 | 7,400 | 40 |
| Tokyo | 32,400 | 25,900 | 47 |
| Toronto | 31,200 | 23,300 | 38 |
| | 31,100 | 22,100 | 39 |
| Vienna | | | |
| Vienna Vilnius Warsaw | 7,800 7,700 | 5,200 5,200 | 40 41 |

¹ With completed apprenticeship and around 5 years' experience; about 25 years old, single.

n.a. = not available.

Incomes and working hours of building labourers¹

| of building | laboure | ers' | |
|-----------------------|------------------|------------------|----------|
| | Gross | Net | |
| | income | income | Weekly |
| | per year | per year | working |
| City | in USD | in USD | hours |
| Amsterdam | 25,600 | 17,700 | 39 |
| Athens Auckland | 13,800 | 11,200 | 40 40 |
| Bangkok | 19,700 1,500 | 15,600 1,400 | 45 |
| Barcelona | 18,200 | 14,600 | 40 |
| Beijing | 2,000 | 1,800 | 52 |
| Berlin | 25,600 | n.a. | 40 |
| Bogotá | 2,500 | 2,300 | 46 |
| Bratislava | 4,800 | 3,700 | 40 |
| Brussels Bucharest | 33,000 | 20,400 | 39 40 |
| Budapest | 3,200 6,000 | 2,200 4,600 | 43 |
| Buenos Aires | 3,900 | 3'200 | 48 |
| Caracas | 5,400 | 5,400 | 44 |
| Chicago | 35,700 | 27,500 | 43 |
| Copenhagen | 44,200 | 25,400 | 36 |
| Delhi | 800 | 800 | 44 |
| Dubai | 3,600 | 3,600 | 48 39 |
| Dublin Frankfurt | 31,000 26,700 | 25,500 18,000 | 39 |
| Geneva | 45,100 | 31,400 | 40 |
| Helsinki | 28,800 | 21,600 | 39 |
| Hong Kong | 12,400 | 11,800 | 56 |
| Istanbul | 8,900 | 6,800 | 44 |
| Jakarta | 1,900 | 1,800 | 48 |
| Johannesburg | 4,900 | 4,700 | 43 |
| Kiev Kuala Lumpur | 3,200 4,200 | 2,600 3,700 | 40 48 |
| Kuala Lumpur Lima | 6,500 | 5,300 | 44 |
| Lisbon | 8,600 | 7,700 | 40 |
| Ljubljana | 9,800 | 6,700 | 40 |
| London | 36,800 | 27,800 | 40 |
| Los Angeles | 30,000 | 24,800 | 48 |
| Luxembourg | 22,900 | 19,300 | 40 |
| Lyon Madrid | 17,600 18,400 | 14,500 15,100 | 35 42 |
| Manama | 3,200 | 3,000 | 60 |
| Manila | 2,000 | 1,800 | 52 |
| Mexico City | 2,400 | 2,200 | 45 |
| Miami | 23,900 | 18,000 | 40 |
| Milan | 24,300 | 18,300 | 40 |
| Montreal | 24,400 | 18,500 | 38 |
| Moscow Mumbai | 6,600 1,300 | 5,700 1,200 | 40 48 |
| Munich | 29,500 | 21,200 | 38 |
| Nairobi | 2,000 | 1,900 | 46 |
| New York | 45,300 | 30,500 | 41 |
| Nicosia | 14,700 | 12,900 | 40 |
| Oslo | 45,900 | 29,800 | 37 |
| Paris | 15,300 | 10,500 | 35 |
| Prague Riga | 9,900 4,400 | 7,400 3,200 | 40 40 |
| Rio de Janeiro | 3,500 | 3,000 | 40 |
| Rome | 19,200 | 14,700 | 40 |
| Santiago de Chile | | 5,400 | 48 |
| Sao Paulo | 4,000 | 3,600 | 42 |
| Seoul | 13,400 | 10,400 | 54 |
| Shanghai | 2,100 | 1,900 | 47 |
| Singapore | 13,300 | 13,300 | 44 |
| Sofia Stockholm | 3,300 33,800 | 2,600 24,700 | 47 40 |
| Sydney | 29,500 | 23,500 | 28 |
| Taipei | 16,700 | 14,900 | 50 |
| Tallinn | 6,400 | 4,800 | 40 |
| Tokyo | 31,200 | 24,300 | ,46 |
| Toronto | 23,100 | 17,300 | 38 |
| Vienna | 22,400 | 17,000 | 39 |
| Vilnius Warsaw | 7,000 5,300 | 4,700 3,600 | 40 41 |
| vvaisaW Zurich | 20,700 | 3,000 | 41 |

39,700

Zurich

28,900

Incomes and working hours of skilled industrial workers²

| of skilled in | ndustriai | workers | |
|------------------------|------------------|------------------|----------|
| | Gross | Net | |
| | income | income | Weekly |
| | per year | per year | working |
| City | in USD | in USD | hours |
| Amsterdam Athens | 39,500 21,100 | 25,500 15,700 | 37 40 |
| Auckland | 34,100 | 25,800 | 48 |
| Bangkok | 4,700 | 4,500 | 48 |
| Barcelona | 28,600 | 22,800 | 40 |
| Beijing | 4,800 | 4,100 | 40 |
| Berlin | 37,700 | 27,000 | 35 |
| Bogotá Bratislava | 4,900 10,100 | 4,300 7,800 | 47 41 |
| Brussels | 46,400 | 29,700 | 38 |
| Bucharest | 5,600 | 4,000 | 40 |
| Budapest | 8,500 | 5,800 | 43 |
| Buenos Aires | 10,700 | 8,600 | 43 |
| Caracas | 7,500 | 6,500 | 44 |
| Chicago | 54,400 | 37,400 | 40 |
| Copenhagen Delhi | 52,600 6,300 | 31,100 5,200 | 39 48 |
| Dubai | 19.200 | 19,200 | 48 |
| Dublin | 53,000 | 44,800 | 39 |
| Frankfurt | 38,700 | 28,400 | 38 |
| Geneva | 52,200 | 40,300 | 40 |
| Helsinki | 40,900 | 28,400 | 39 |
| Hong Kong Istanbul | 12,000 | 10,700 9,800 | 50 44 |
| Jakarta | 13,400 3,800 | 3,300 | 44 |
| Johannesburg | n.a. | n.a. | n.a. |
| Kiev | 6,100 | 5,100 | 40 |
| Kuala Lumpur | 10,900 | 9,000 | 48 |
| Lima | 10,300 | 8,500 | 52 |
| Lisbon | 11,600 | 9,700 | 40 |
| Ljubljana London | 15,700 46,500 | 9,700 34,400 | 40 38 |
| Los Angeles | 44,900 | 36,800 | 40 |
| Luxembourg | 27,400 | 21,700 | 40 |
| Lyon | 23,100 | 14,300 | 35 |
| Madrid | 23,800 | 20,000 | 40 |
| Manama | 22,600 | 21,900 | 40 |
| Manila Mexico City | 2,800 4,700 | 2,500 4,400 | 44 45 |
| Miami | 42,800 | 32,300 | 40 |
| Milan | 22,700 | 16,300 | 40 |
| Montreal | 46,400 | 31,700 | 39 |
| Moscow | 5,800 | 5,800 | 37 |
| Mumbai | 6,400 | 5,200 | 45 |
| Munich Nairobi | 44,000 | 27,100 | 38 |
| New York | 6,300 65,400 | 5,000 43,300 | 42 41 |
| Nicosia | 33,600 | 28,900 | 40 |
| Oslo | 51,600 | 32,600 | 37 |
| Paris | 19,700 | 14,400 | 35 |
| Prague | 12,700 | 9,100 | 40 |
| Riga | 11,500 | 8,600 | 40 |
| Rio de Janeiro Rome | 12,400 21,700 | 8,700 15,700 | 40 41 |
| Santiago de Chile | | 9,800 | 43 |
| Sao Paulo | 14,600 | 11,700 | 44 |
| Seoul | 39,100 | 30,300 | 48 |
| Shanghai | 6,700 | 5,500 | 40 |
| Singapore | 15,500 | 12,200 | 44 |
| Sofia Stockholm | 5,800 36,300 | 4,500 22,500 | 40 40 |
| Sydney | 39,800 | 26,900 | 40 |
| Taipei | 19,900 | 16,900 | 45 |
| Tallinn | 9,800 | 7,300 | 40 |
| Tokyo | 52,500 | 41,500 | 45 |
| Toronto | 49,100 | 35,800 | 43 |
| Vilnius | 40,200 | 27,700 | 39 |
| Vilnius Warsaw | 6,800 8,600 | 4,600 5,700 | 40 |

¹ Unskilled or semi-skilled labourer; about 25 years old, single.

41

40

5,700

42,800

8,600

58,400

Warsaw

Zurich

42

² Skilled worker with vocational training and about 10 years' experience with a large company in the metalworking industry; approx. 35 years old, married, two children.

n.a. = not available.

Incomes and working hours of female factory workers¹

| of female fa | actory | workers ¹ | |
|-----------------------|------------------|----------------------|----------|
| | Gross | Net | |
| | income | income | Weekly |
| | per year | per year | working |
| City | in USD | in USD | hours |
| Amsterdam Athens | 25,300 | 16,800 | 38 40 |
| Auckland | 14,400 20,300 | 11,300 16,100 | 35 |
| Bangkok | 1,900 | 1,700 | 45 |
| Barcelona | 15,700 | 12,700 | 40 |
| Beijing | 1,800 | 1,600 | 45 |
| Berlin | 23,600 | 16,200 | 35 |
| Bogotá | 3,800 | 3,400 | 47 |
| Bratislava | 4,700 | 3,600 | 40 |
| Brussels | 27,900 | 18,200 | 38 |
| Bucharest Budapest | 3,400 6,200 | 2,400 4,800 | 40 41 |
| Buenos Aires | 3,700 | 3,100 | 48 |
| Caracas | 10,900 | 9,800 | 44 |
| Chicago | 24,200 | 19,100 | 45 |
| Copenhagen | 37,900 | 22,200 | 38 |
| Delhi | 900 | 800 | 44 |
| Dubai | 12,300 | n.a. | 48 |
| Dublin | 26,500 | 22,400 | 39 |
| Frankfurt | 22,200 | 14,200 | 39 40 |
| Geneva Helsinki | 35,100 22,600 | 25,400 17,700 | 37 |
| Hong Kong | 7,000 | 6,600 | 50 |
| Istanbul | 6,700 | 4,600 | 44 |
| Jakarta | 1,400 | 1,300 | 48 |
| Johannesburg | 4,900 | 4,700 | 43 |
| Kiev | 2,200 | 1,800 | 40 |
| Kuala Lumpur | 3,900 | 3,400 | 44 |
| Lima | 3,000 | 2,500 | 42 |
| Lisbon Ljubljana | 7,400 8,500 | 6,600 5,700 | 40 40 |
| London | 28,900 | 21,900 | 39 |
| Los Angeles | 22,400 | 18,500 | 40 |
| Luxembourg | 23,600 | 19,900 | 40 |
| Lyon | 16,800 | 13,600 | 36 |
| Madrid | 14,500 | 12,900 | 40 |
| Manama | 5,600 | 5,400 | 40 |
| Manila | 1,400 | 1,300 | 44 |
| Mexico City Miami | 3,400 22,300 | 3,200 17,300 | 45 40 |
| Milan | 17,200 | 13,800 | 40 |
| Montreal | 25,100 | 18,900 | 39 |
| Moscow | 3,700 | 3,200 | 33 |
| Mumbai | 1,800 | 1,600 | 45 |
| Munich | n.a. | n.a. | n.a. |
| Nairobi | 3,400 | 2,700 | 42 |
| New York | 30,500 | 22,100 | 41 |
| Nicosia Oslo | 14,700 35,800 | 12,900 24,900 | 40 37 |
| Paris | 17,400 | 13,000 | 35 |
| Prague | 8,100 | 6,000 | 40 |
| Riga | 4,300 | 3,100 | 40 |
| Rio de Janeiro | 3,900 | 3,500 | 40 |
| Rome | 17,900 | 13,400 | 40 |
| Santiago de Chile | 7,800 | 6,200 | 43 |
| Sao Paulo | 6,700 | 5,400 | 44 |
| Seoul | 8,800 2,600 | 7,600 2,100 | 54 47 |
| Shanghai Singapore | 8,900 | 8,900 | 44 |
| Sofia | 2,900 | 2,300 | 40 |
| Stockholm | 29,800 | 18,700 | 40 |
| Sydney | 21,400 | 15,000 | 40 |
| Taipei | 15,500 | 12,500 | 44 |
| Tallinn | 5,200 | 3,900 | 40 |
| Tokyo | 26,200 | 17,400 | ,45 |
| Toronto | 21,300 | 16,300 | 40 |
| Vienna | 21,800 | 16,900 | 39 |
| Vilnius | 3,700 5,400 | 2,500 | 40 |

Incomes and working hours of engineers²

| of engineers ² | | | | |
|---------------------------|------------------|------------------|-------------|--|
| | Gross | Net | | |
| | income | income | Weekly | |
| | per year | per year | working | |
| City | in USD | in USD | hours 39 | |
| Amsterdam Athens | 54,600 26,100 | 33,100 19,500 | 40 | |
| Auckland | 40,500 | 29,900 | 40 | |
| Bangkok | 12,700 | 11,300 | 48 | |
| Barcelona | 42,800 | 34,200 | 40 | |
| Beijing Berlin | 9,000 57,500 | 7,400 34,500 | 40 38 | |
| Bogotá | 15,100 | 11,900 | 44 | |
| Bratislava | 12,600 | 9,800 | 41 | |
| Brussels | 43,500 | 26,200 | 37 | |
| Bucharest | 13,500 | 9,400 | 40 | |
| Budapest Buenos Aires | 15,900 20,400 | 10,900 16,600 | 40 | |
| Caracas | 15,600 | 13,900 | 43 | |
| Chicago | 70,300 | 48,400 | 40 | |
| Copenhagen | 72,000 | 40,300 | 39 | |
| Delhi | 6,100 | 5,100 | 47 | |
| Dubai Dublin | 53,100 56,200 | 52,300 43,800 | 48 40 | |
| Frankfurt | 63,800 | 38,500 | 39 | |
| Geneva | 65,100 | 48,700 | 42 | |
| Helsinki | 55,800 | 35,300 | 39 | |
| Hong Kong | 38,700 | 36,600 | 48 | |
| Istanbul Jakarta | 16,700 | 12,800 | 47 44 | |
| Johannesburg | 5,600 51,000 | 4,900 30,900 | 40 | |
| Kiev | 5,100 | 4,300 | 40 | |
| Kuala Lumpur | 15,700 | 12,500 | 40 | |
| Lima | 12,600 | 9,500 | 44 | |
| Lisbon Ljubljana | 35,700 18,200 | 24,600 11,500 | 40 40 | |
| London | 63,100 | 45,800 | 40 | |
| Los Angeles | 76,700 | 55,100 | 40 | |
| Luxembourg | 89,600 | 62,700 | 40 | |
| Lyon | 58,300 | 39,300 | 35 | |
| Madrid Manama | 39,200 51,100 | 32,200 49,500 | 40 40 | |
| Manila | 5,000 | 4,100 | 48 | |
| Mexico City | 15,200 | 11,800 | 48 | |
| Miami | 56,600 | 42,100 | 40 | |
| Milan Montreal | 41,800 59,900 | 28,500 38,600 | 40 38 | |
| Moscow | 16,600 | 14,500 | 48 | |
| Mumbai | 7,500 | 5,800 | 48 | |
| Munich | 57,200 | 37,100 | 39 | |
| Nairobi | 16,400 | 13,600 | 42 | |
| New York Nicosia | 85,200 37,800 | 55,900 31,700 | 41 | |
| Oslo | 74,000 | 44,800 | 39 | |
| Paris | 52,500 | 35,100 | 35 | |
| Prague | 14,700 | 10,700 | 40 | |
| Riga | 9,900 | 7,400 | 40 | |
| Rio de Janeiro Rome | 22,700 31,700 | 16,700 21,600 | 40 40 | |
| Santiago de Chile | 22,900 | 17,000 | 47 | |
| Sao Paulo | 27,700 | 20,400 | 42 | |
| Seoul | 41,200 | 31,900 | 54 | |
| Shanghai | 8,100 | 6,300 | 40 | |
| Singapore Sofia | 33,300 | 25,000 | 44 | |
| Stockholm | 5,300 48,100 | 3,800 32,100 | 40 | |
| Sydney | 47,200 | 35,100 | 40 | |
| Taipei | 32,500 | 26,600 | 45 | |
| Tallinn | 12,000 | 8,900 | 40 | |
| Tokyo Toronto | 60,100 63,300 | 46,200 | 51 40 | |
| Toronto Vienna | 57,400 | 46,000 36,500 | 39 | |
| Vilnius | 9,100 | 6,100 | 40 | |
| Warsaw | 12,200 | 8,000 | 40 | |
| Zurich | 83.000 | 61,700 | 42 | |

61,700

42

83,000

Warsaw

Zurich

5,400

38,800

3,600

30,000

41

40

¹ Unskilled or semi-skilled machine operator in a medium-sized company, mainly in the textile industry; about 25 years old, single.

² Employed by an industrial firm in the electrical engineering sector, university or technical college graduate with at least 5 years' work experience; about 35 years old, married, two children.

 $[\] n.a. = not \ available.$

Incomes and working hours of department heads¹

| | Gross | Net | |
|-------------------------|------------------|------------------|-------------|
| | income | income | Weekly |
| Cit. | per year | per year | working |
| City Amsterdam | in USD 82,600 | in USD 47,000 | hours 39 |
| Athens | 49,200 | 37,500 | 40 |
| Auckland | 45,900 | 30,700 | 40 |
| Bangkok | 15,300 | 13,700 | 44 |
| Barcelona | 41,100 | 32,900 | 40 |
| Beijing | 11,900 | 9,700 | 40 |
| Berlin Bogotá | 70,000 19,000 | 41,300 15,100 | 40 |
| Bratislava | 14,700 | 11,500 | 41 |
| Brussels | 83,800 | 55,800 | 38 |
| Bucharest | 14,700 | 10,300 | 40 |
| Budapest | 16,600 | 10,200 | 43 |
| Buenos Aires | 17,800 | 14,200 | 45 |
| Caracas | 7,500 | 6,700 | 44 |
| Chicago | 77,300 | 50,800 | 50 41 |
| Copenhagen Delhi | 87,000 12,800 | 44,400 9,600 | 48 |
| Dubai | 73,600 | 73,600 | 42 |
| Dublin | 60,300 | 52,600 | 39 |
| Frankfurt | 83,100 | 56,200 | 40 |
| Geneva | 101,500 | 71,700 | 42 |
| Helsinki | 72,600 | 44,600 | 41 |
| Hong Kong | 27,100 | 24,300 | 45 |
| Istanbul | 31,300 | 24,900 | 44 |
| Jakarta Johannesburg | 7,400 54,800 | 5,400 33,500 | 40 40 |
| Kiev | 6,000 | 5,000 | 40 |
| Kuala Lumpur | 27,300 | 24,100 | 44 |
| Lima | 22,800 | 19,200 | 45 |
| Lisbon | 20,300 | 15,800 | 40 |
| Ljubljana | 29,000 | 16,300 | 40 |
| London | 76,300 | 55,700 | 39 |
| Luxambourg | 86,500 | 67,100 | 40 |
| Luxembourg Lyon | 83,800 n.a. | 58,900 n.a. | n.a. |
| Madrid | 35,400 | 29,600 | 40 |
| Manama | 51,100 | 49,500 | 40 |
| Manila | 10,900 | 8,400 | 44 |
| Mexico City | 18,000 | 15,700 | 45 |
| Miami | 49,700 | 37,000 | 40 |
| Milan | 33,100 | 24,100 | 40 |
| Montreal Moscow | 58,400 23,400 | 38,500 20,400 | 39 38 |
| Mumbai | 22,500 | 19,300 | 41 |
| Munich | 85,200 | 49,000 | 43 |
| Nairobi | 8,900 | 7,400 | 44 |
| New York | 89,200 | 60,500 | 41 |
| Nicosia | 63,000 | 48,900 | 42 |
| Oslo | 93,800 | 44,800 | 40 |
| Paris | 71,400 16,800 | 45,200 11,900 | 38 40 |
| Prague Riga | 23,400 | 17,500 | 45 |
| Rio de Janeiro | 29,700 | 17,800 | 40 |
| Rome | 31,000 | 23,400 | 42 |
| Santiago de Chile | 22,100 | 16,600 | 43 |
| Sao Paulo | 33,500 | 24,500 | 44 |
| Seoul | 55,600 | 38,100 | 45 |
| Shanghai | 25,400 | 18,200 | 40 |
| Singapore Sofia | 66,600 18,100 | 51,300 13,200 | 44 |
| Stockholm | 75,000 | 44,600 | 40 |
| Sydney | 66,400 | 42,000 | 46 |
| Taipei | 62,000 | 39,700 | 50 |
| Tallinn | 16,700 | 12,400 | 40 |
| Tokyo | 83,300 | 62,000 | 48 |
| Toronto | 51,900 | 37,800 | 40 |
| Vilnius | 84,400 | 51,500 | 39 |
| Vilnius | 16,500 28,500 | 11,000 | 40 |
| Warsaw Zurich | 115,200 | 16,000 83,100 | 41 |
| Lunch | 113,200 | 05,100 | 41 |

Incomes and working hours of product managers²

| of product managers ² | | | |
|----------------------------------|------------------|------------------|------------|
| | Gross | Net | |
| | income | income | Weekly |
| | per year | per year | working |
| City | in USD | in USD | hours |
| Amsterdam | 62,700 | 38,600 | 40 |
| Athens | 28,400 | 22,100 | 40 40 |
| Auckland Bangkok | 59,000 14,300 | 41,000 12,900 | 40 |
| Barcelona | 53,900 | 42,100 | 40 |
| Beijing | 9,700 | 7,600 | 40 |
| Berlin | 65,400 | 37,900 | 39 |
| Bogotá | 26,300 | 20,500 | 42 |
| Bratislava | 15,500 | 12,100 | 41 |
| Brussels Bucharest | 61,900 | 35,200 23,900 | 39 40 |
| Budapest | 34,300 23,900 | 14,100 | 43 |
| Buenos Aires | 19,000 | 15,500 | 45 |
| Caracas | 5,600 | 5,100 | 48 |
| Chicago | 92,000 | 68,600 | 45 |
| Copenhagen | 80,200 | 40,000 | 41 |
| Delhi | 8,600 | 7,200 | 48 |
| Dubai Dublin | 42,500 | 42,500 | 42 40 |
| Frankfurt | 76,900 67,500 | 61,800 45,400 | 39 |
| Geneva | 107,100 | 75,000 | 40 |
| Helsinki | 63,500 | 39,900 | 39 |
| Hong Kong | 31,000 | 27,300 | 45 |
| Istanbul | 28,200 | 20,100 | 47 |
| Jakarta | 5,400 | 4,600 | 40 |
| Johannesburg | 43,000 | 27,400 | 40 |
| Kiev | n.a. 27,600 | n.a. 20,200 | n.a. 44 |
| Kuala Lumpur Lima | 79,600 | 54,200 | 45 |
| Lisbon | 44,100 | 29,200 | 40 |
| Ljubljana | 28,800 | 15,700 | 40 |
| London | 60,500 | 44,200 | 39 |
| Los Angeles | 97,500 | 66,100 | 48 |
| Luxembourg | 59,700 | 46,100 | 40 |
| Lyon Madrid | 57,000 45,000 | 43,400 35,200 | 35 43 |
| Manama | 27,900 | 27,100 | 43 |
| Manila | 11,200 | 9,000 | 40 |
| Mexico City | 19,100 | 16,600 | 45 |
| Miami | 60,900 | 45,400 | 40 |
| Milan | 52,500 | 39,000 | 40 |
| Montreal | 50,500 | 33,400 | 39 |
| Moscow Mumbai | 31,600 9,900 | 27,500 7,300 | 43 41 |
| Munich | 81,200 | 47,400 | 39 |
| Nairobi | 16,800 | 12,200 | 44 |
| New York | 87,100 | 55,000 | 41 |
| Nicosia | 42,000 | 34,400 | 40 |
| Oslo | 89,200 | 58,400 | 39 |
| Paris | 62,100 | 41,000 | 37 |
| Prague Riga | 14,800 23,800 | 10,500 17,600 | 40 40 |
| Rio de Janeiro | 19,600 | 13,900 | 40 |
| Rome | n.a. | n.a. | n.a. |
| Santiago de Chile | 33,200 | 25,000 | 43 |
| Sao Paulo | 24,300 | 19,500 | 44 |
| Seoul | 42,200 | 28,900 | 45 |
| Shanghai | 22,400 | 18,800 | 40 |
| Singapore Sofia | 74,000 7,700 | 51,800 5,400 | 44 40 |
| Stockholm | 65,600 | 46,500 | 40 |
| Sydney | 49,500 | 34,200 | 42 |
| Taipei | 33,300 | 26,100 | 49 |
| Tallinn | 17,000 | 12,600 | 40 |
| Tokyo | 60,100 | 46,400 | ,48 |
| Toronto | 51,300 | 36,200 | 45 |
| Vienna Vilnius | 59,100 12,400 | 36,700 8,300 | 39 40 |
| Warsaw | 22,000 | 13,000 | 40 |
| Zurich | 95,200 | 70,500 | 42 |

¹ Operational head of a production department with a staff of over 100 in a sizeable company in the metalworking industry; completed vocational training and many years' experience in the field; about 40 years old, married, two children.

n.a. = not available.

42

42

Warsaw

² Employed in the pharmaceuticals, chemicals or food industry, middle-manage-ment position, university or technical college graduate with at least 5 years' experience in the field; about 35 years old, married, no children.

Earnings and working hours of professions from the

Services sector

Primary school teacher Bus driver Cook Personal assistant Sales assistant Call center agent Bank credit officer

| ¹ Teaching in the state |
|--|
| school system (not private |
| schools) for around 10 |
| years; about 35 years old, |
| married, two children. |
| ² Only comparable to a lim- |

² Only comparable to a limited extent; as a rule, number of teaching hours plus average number of hours required for preparation, but in some cases teaching hours only.

 $\label{eq:n.a.} n.a. = not \ available.$

| City in USD in USD hours Amsterdam 41,900 27,700 37 Athens 24,800 19,200 38 Auckland 31,600 24,200 35 Bangkok 3,900 3,800 40 Barcelona 33,100 26,700 39 Berlin 48,100 31,300 41 Bogotá 5,200 4,400 40 Berlin 48,100 31,300 40 Bratislava 6,000 4,700 38 Brussels 29,100 19,000 33 Bucarest 4,400 3,000 25 Buenos Aires 7,100 5,900 25 Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 35 Delhi 2700 29,400 40 Dubai 30,200 29,400 40 Helsinki <th colspan="5">Incomes and working hours of primary school teachers¹</th> | Incomes and working hours of primary school teachers ¹ | | | | |
|---|---|--------|--------|---------|--|
| Income | | Gross | Net | | |
| City in USD in USD hours Amsterdam 41,900 27,700 37 Athens 24,800 19,200 34 Auckland 31,600 24,200 35 Bangkok 3,900 3,800 40 Barcelona 33,100 26,700 35 Beijing 6,000 5,200 40 Berlin 48,100 31,300 41 Bogotá 5,200 4,400 40 Brussels 29,100 19,000 33 Brussels 29,100 19,000 33 Bucarest 4,400 3,000 25 Budapest 9,600 6,200 40 Buenos Aires 7,100 5,900 25 Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 35 Dubli 2700 2500 30 Dubli | | | | Weekly | |
| Amsterdam 41,900 27,700 37 Athens 24,800 19,200 34 Auckland 31,600 24,200 35 Bangkok 3,900 3,800 46 Barcelona 33,100 26,700 39 Berlin 48,100 31,300 41 Berlin 48,100 31,300 41 Brussels 29,100 19,000 33 Brussels 29,100 19,000 33 Bucarest 4,400 3,000 25 Budapest 9,600 6,200 40 Buenos Aires 7,100 5,900 25 Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 35 Dubai 30,200 29,400 40 Dubli 50,400 31,300 36 Helsinki 43,100 48,90 Helsinki 4 | | | | working | |
| Athens 24,800 19,200 34 Auckland 31,600 24,200 35 Bangkok 3,900 3,800 40 Berjing 6,000 5,200 40 Berlin 48,100 31,300 41 Bogotá 5,200 4,400 40 Bratislava 6,000 4,700 38 Brussels 29,100 19,000 33 Bucarest 4,400 3,000 25 Budapest 9,600 6,200 40 Buenos Aires 7,100 5,900 25 Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 35 Delhi 2700 2500 30 Dubai 30,200 29,400 40 Dubai 30,200 29,400 40 Dubai 30,200 29,400 40 Horsiki <t< td=""><td>,</td><td></td><td></td><td></td></t<> | , | | | | |
| Auckland 31,600 24,200 35 Bargkok 3,900 3,800 44 Barcelona 33,100 26,700 39 Berjing 6,000 5,200 40 Berlin 48,100 31,300 41 Bogotá 5,200 4,400 40 Bratislava 6,000 4,700 38 Brussels 29,100 19,000 33 Bucarest 4,400 3,000 25 Budapest 9,600 6,200 40 Buenos Aires 7,100 5,900 25 Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 39 Dubai 30,200 29,400 40 Dubai 30,200 29,400 40 Dubai 30,200 29,400 40 Bereva 69,700 51,500 40 Helsinki | | | | | |
| Bangkok 3,900 3,800 40 Barcelona 33,100 26,700 35 Beijing 6,000 5,200 40 Berlin 48,100 31,300 41 Bogotá 5,200 4,400 40 Brussels 29,100 19,000 33 Bucarest 4,400 3,000 25 Budapest 9,600 6,200 46 Buenos Aires 7,100 5,900 25 Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 35 Delhi 2700 2550 30 Dubai 30,200 29,400 40 Dubli 50,400 41,100 37 Frankfurt 51,400 41,100 37 Frankfurt 51,400 28,900 36 Helsinki 43,100 28,900 36 Istanbul | | | | 35 | |
| Beijing 6,000 5,200 40 Berlin 48,100 31,300 41 Bogotá 5,200 4,400 40 Bratislava 6,000 4,700 38 Brussels 29,100 19,000 33 Bucarest 4,400 3,000 25 Buenos Aires 7,100 5,900 25 Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 35 Delhi 2'700 2'500 30 Dubai 30,200 29,400 40 Dublin 50,400 41,100 37 Frankfurt 51,400 40,500 37 Geneva 69,700 51,500 40 Helsinki 43,100 28,900 36 Helsinki 43,100 28,900 36 Kiev 1,600 1,400 46 Kuala Lumpur | | | | 40 | |
| Berlin 48,100 31,300 41 Bogotá 5,200 4,400 40 Bratislava 6,000 4,700 38 Brussels 29,100 19,000 38 Bucarest 4,400 3,000 25 Budapest 9,600 6,200 40 Buenos Aires 7,100 5,900 25 Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 35 Delhi 2'700 2'500 30 Dubai 30,200 29,400 40 Dublin 50,400 41,100 37 Frankfurt 51,400 40,500 37 Frankfurt 51,400 40,500 37 Geneva 69,700 51,500 40 Helsinki 43,100 28,900 36 Istanbul 11,200 7,700 42 Jakarta <td>Barcelona</td> <td>33,100</td> <td>26,700</td> <td>39</td> | Barcelona | 33,100 | 26,700 | 39 | |
| Bogotá 5,200 4,400 40 Brussels 29,100 19,000 33 Brussels 29,100 19,000 33 Budapest 9,600 6,200 40 Buenos Aires 7,100 5,900 25 Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 35 Delhi 2'700 2'500 30 Dubai 30,200 29,400 40 Helsinki 43,100 28,900 30 Helsinki 43,100 28,900 36 Helsinki 43,100 28,900 36 Kiev | | | | 40 | |
| Bratislava 6,000 4,700 38 Brussels 29,100 19,000 33 Bucarest 4,400 3,000 25 Budapest 9,600 6,200 40 Budapest 9,600 6,200 40 Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 35 Delhi 2'700 2'500 30 Dubai 30,200 29,400 41,000 37 Buenos Aires 7,100 5,900 35 Delhi 2'700 2'500 30 Dublin 50,400 41,100 37 Frankfurt 51,400 40,500 37 Geneva 69,700 51,500 40 Helsinki 43,100 28,900 36 Helsinki 43,100 28,900 36 Helsinki 11,200 7,700 42 Jakarta 2,200 2,100 26 Johannesburg 15,100 n.a. 33 Kiev 1,600 1,400 16 Kuala Lumpur 10,000 8,400 48 Kuala Lumpur 10,000 8,400 48 Lima 3,700 2,700 33 Ljubljana 23,100 13,300 31 London 42,400 31,300 40 Los Angeles 52,000 40,200 37 Madrid 33,300 26,100 33 Luxembourg 65,200 51,600 23 Luxembourg 65,200 51,600 45 Manila 2,700 2,500 40 Manila 2,700 2,500 40 Manila 2,700 2,500 40 Manila 2,700 3,200 49 Mexico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Montreal 40,500 29,500 35 Moscow 3,700 3,200 49 New York 52,000 37,000 33 Nicosia 33,600 28,900 35 Solo 47,300 31,100 41 Paris 29,800 21,300 31 Solo 47,300 31,100 41 Paris 29,800 21,300 35 Solo 47,300 31,100 41 Paris 29,800 21,300 31 Solo 47,300 31,100 41 Paris 29,800 21,300 35 Solo 47,300 31,000 45 Solo 47,300 31,100 41 Paris 29,800 21,300 35 Solo 47,300 31,100 41 Paris 29,800 23,400 35 Solo 47,300 31,000 40 | | | | | |
| Brussels 29,100 19,000 33 Budapest 4,400 3,000 25 Budapest 9,600 6,200 40 Buenos Aires 7,100 5,900 25 Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 39 Delhi 2'700 2'500 30 Dubai 30,200 29,400 40 Dublin 50,400 41,100 37 Frankfurt 51,400 40,500 36 Geneva 69,700 51,500 40 Helsinki 43,100 28,900 36 Helsinki 43,100 28,900 36 Istanbul 11,200 7,700 42 Jakarta 2,200 2,100 26 Istanbul 11,600 1,400 16 Kuala Lumpur 10,000 8,400 48 Libon< | , | | | | |
| Bucarest 4,400 3,000 25 Budapest 9,600 6,200 40 Buenos Aires 7,100 5,900 25 Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 39 Delhi 2'700 2'500 30 Dubai 30,200 29,400 40 Dublin 50,400 41,100 37 Frankfurt 51,400 40,500 37 Geneva 69,700 51,500 40 Helsinki 43,100 28,900 36 Helsinki 43,100 28,900 36 Istanbul 11,200 7,700 42 Jakarta 2,200 2,100 26 Jakarta 2,200 2,100 36 Kiev 1,600 1,400 16 Kuala Lumpur 10,000 8,400 48 Ljubljana | | | | 33 | |
| Buenos Aires 7,100 5,900 25 Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 39 Delhi 2'700 2'500 30 Dubai 30,200 29,400 40 Dublin 50,400 41,100 37 Geneva 69,700 51,500 40 Helsinki 43,100 28,900 36 Helsinki 43,100 28,900 36 Helsinki 43,100 28,900 36 Helsinki 43,400 44,000 45 Istanbul 11,200 7,700 42 Jakarta 2,200 2,100 26 Johannesburg 15,100 n.a. 33 Kiev 1,600 1,400 16 Kuala Lumpur 10,000 3,400 48 Lima 3,700 21,000 33 Liban | | | | 25 | |
| Caracas 7,300 6,600 40 Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 39 Delhi 2'700 2'500 30 Dubai 30,200 29,400 40 Dublin 50,400 41,100 37 Frankfurt 51,400 40,500 37 Geneva 69,700 51,500 40 Helsinki 43,100 28,900 36 Hong Kong 46,400 44,000 49 Istanbul 11,200 7,700 42 Jakarta 2,200 2,100 26 Jakarta 2,200 2,100 16 Kiev 1,600 1,400 16 Kiev 1,600 1,400 16 Kiev 1,600 1,400 16 Lisbon 28,700 21,000 33 Libon 28,700 21,000 33 Lyon 33,400 <td>Budapest</td> <td>9,600</td> <td>6,200</td> <td>40</td> | Budapest | 9,600 | 6,200 | 40 | |
| Chicago 50,400 37,200 41 Copenhagen 52,000 31,800 35 Delhi 2'700 2'500 30 Dubai 30,200 29,400 40 Dublin 50,400 41,100 37 Frankfurt 51,400 40,500 37 Geneva 69,700 51,500 40 Helsinki 43,100 28,900 36 Hong Kong 46,400 44,000 45 Istanbul 11,200 7,700 42 Jakarta 2,200 2,100 26 Johannesburg 15,100 n.a. 33 Kiev 1,600 1,400 16 Kuala Lumpur 10,000 8,400 48 Lima 3,700 2,700 33 Ljubljana 23,100 13,300 31 Los Angeles 52,000 40,200 37 Luxembourg 65,200 51,600 23 Lyo | | | | 25 | |
| Copenhagen 52,000 31,800 39 Delhi 2'700 2'500 30 Dubai 30,200 29,400 40 Dublin 50,400 41,100 37 Frankfurt 51,400 40,500 37 Geneva 69,700 51,500 40 Helsinki 43,100 28,900 36 Helsinki 43,100 28,900 36 Hong Kong 46,400 44,000 49 Istanbul 11,200 7,700 42 Jakarta 2,200 2,100 26 Johannesburg 15,100 n.a. 33 Kiev 1,600 1,400 16 Kuala Lumpur 10,000 8,400 48 Lima 3,700 2,700 39 Lisbon 28,700 21,000 33 Lizhandon 42,400 31,300 40 Los Angeles 52,000 40,200 37 Luxemb | | | | | |
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| Frankfurt 51,400 40,500 37 Geneva 69,700 51,500 40 Helsinki 43,100 28,900 36 Hong Kong 46,400 44,000 49 Istanbul 11,200 7,700 42 Jakarta 2,200 2,100 26 Johannesburg 15,100 n.a. 33 Kiev 1,600 1,400 46 Kuala Lumpur 10,000 8,400 48 Lima 3,700 2,700 39 Lisbon 28,700 21,000 33 Ljubljana 23,100 13,300 40 Los Angeles 52,000 40,200 37 Luxembourg 65,200 51,600 23 Lyon 33,400 23,700 31 Maarid 33,300 26,100 40 Marid 33,300 26,100 40 Manila 2,700 2,500 40 Mexico Ci | Dubai | | | 40 | |
| Geneva 69,700 51,500 40 Helsinki 43,100 28,900 36 Hong Kong 46,400 44,000 49 Istanbul 11,200 7,700 42 Jakarta 2,200 2,100 26 Johannesburg 15,100 n.a. 33 Kiev 1,600 1,400 48 Kievala Lumpur 10,000 8,400 48 Lima 3,700 2,700 39 Lisbon 28,700 21,000 33 Lisbon 42,400 31,300 40 Los Angeles 52,000 40,200 37 Luxembourg 65,200 51,600 23 Lyon 33,400 23,700 31 Marid 33,300 26,100 38 Marid 33,300 26,100 38 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Milani | | 50,400 | 41,100 | 37 | |
| Helsinki 43,100 28,900 36 Hong Kong 46,400 44,000 49 Istanbul 11,200 7,700 42 Jakarta 2,200 2,100 26 Johannesburg 15,100 n.a. 33 Kiev 1,600 1,400 48 Kieuala Lumpur 10,000 8,400 48 Lima 3,700 2,700 33 Lisbon 28,700 21,000 33 Lisbon 28,700 21,000 33 Lighdjana 23,100 13,300 31 London 42,400 31,300 40 Los Angeles 52,000 40,200 37 Luxembourg 65,200 51,600 23 Lyon 33,400 23,700 31 Madrid 33,300 26,100 38 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Milan< | | | | 37 | |
| Hong Kong 46,400 44,000 49 Istanbul 11,200 7,700 42 Jakarta 2,200 2,100 26 Johannesburg 15,100 n.a. 33 Kiev 1,600 1,400 16 Kuala Lumpur 10,000 8,400 48 Lima 3,700 2,700 39 Lisbon 28,700 21,000 33 Ljubljana 23,100 13,300 40 London 42,400 31,300 40 Los Angeles 52,000 40,200 37 Lyon 33,400 23,700 31 Madrid 33,300 26,100 38 Manila 2,700 2,500 40 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Murbia | | | | 40 | |
| Istanbul 11,200 7,700 42 Jakarta 2,200 2,100 26 Johannesburg 15,100 n.a. 33 Kiev 1,600 1,400 16 Kuala Lumpur 10,000 8,400 48 Lima 3,700 2,700 39 Lisbon 28,700 21,000 33 Ljubljana 23,100 13,300 40 Lordon 42,400 31,300 40 Los Angeles 52,000 40,200 37 Lyon 33,400 23,700 31 Madrid 33,300 26,100 38 Manila 2,700 2,500 40 Manila 2,700 2,500 40 Maxico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Muntreal 40,500 29,500 35 Murbai | | | | | |
| Jakarta 2,200 2,100 26 Johannesburg 15,100 n.a. 33 Kiev 1,600 1,400 16 Kuala Lumpur 10,000 8,400 48 Lima 3,700 2,700 39 Lisbon 28,700 21,000 33 Ljubljana 23,100 13,300 40 Los Angeles 52,000 40,200 37 Luxembourg 65,200 51,600 23 Lyon 33,400 23,700 31 Madrid 33,300 26,100 38 Manila 2,700 2,500 40 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Moscow 3,700 3,200 19 Mumbai 3,300 2,900 43 Murich <t< td=""><td></td><td></td><td>,</td><td>49</td></t<> | | | , | 49 | |
| Johannesburg 15,100 n.a. 33 Kiev 1,600 1,400 16 Kuala Lumpur 10,000 8,400 48 Lima 3,700 2,700 39 Lisbon 28,700 21,000 33 Ljubljana 23,100 13,300 40 Los Angeles 52,000 40,200 37 Luxembourg 65,200 51,600 23 Lyon 33,400 23,700 31 Madrid 33,300 26,100 38 Manila 2,700 2,500 40 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Milan 24,700 18,300 28 Milan 24,700 18,300 28 Moscow 3,700 3,200 19 Murich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York | | | | 26 | |
| Kuala Lumpur 10,000 8,400 48 Lima 3,700 2,700 39 Lisbon 28,700 21,000 33 Ljubljana 23,100 13,300 31 London 42,400 31,300 40 Los Angeles 52,000 40,200 37 Luxembourg 65,200 51,600 23 Lyon 33,400 23,700 31 Madrid 33,300 26,100 45 Manila 2,700 2,500 40 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Moscow 3,700 3,200 19 Murbai 3,300 2,950 35 Murbai 3,300 2,900 43 Murbai 3,700 3,000 45 New York <td< td=""><td>Johannesburg</td><td></td><td></td><td>33</td></td<> | Johannesburg | | | 33 | |
| Lima 3,700 2,700 39 Lisbon 28,700 21,000 33 Ljubljana 23,100 13,300 31 London 42,400 31,300 40 Los Angeles 52,000 40,200 37 Luxembourg 65,200 51,600 23 Lyon 33,400 23,700 31 Madrid 33,300 26,100 45 Manila 2,700 2,500 40 Manila 2,700 2,500 40 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Moscow 3,700 3,200 19 Murbai 3,300 2,900 43 Munich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52, | Kiev | 1,600 | 1,400 | 16 | |
| Lisbon 28,700 21,000 33 Ljubljana 23,100 13,300 31 London 42,400 31,300 40 Los Angeles 52,000 40,200 37 Luxembourg 65,200 51,600 23 Lyon 33,400 23,700 31 Madrid 33,300 26,100 45 Maniama 13,300 12,600 45 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Moscow 3,700 3,200 19 Moscow 3,700 3,200 19 Mumbai 3,300 2,900 43 Munich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52,000 35,500 35 Nicosia | | | | 48 | |
| Ljubljana 23,100 13,300 31 London 42,400 31,300 40 Los Angeles 52,000 40,200 37 Luxembourg 65,200 51,600 23 Lyon 33,400 23,700 31 Madrid 33,300 26,100 38 Manama 13,300 12,600 45 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Milan 24,700 18,300 28 Moscow 3,700 3,200 19 Mumbai 3,300 2,950 35 Mumbai 3,300 2,900 43 Mumich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52,000 35,500 33 Nicosia < | | | | | |
| London 42,400 31,300 40 Los Angeles 52,000 40,200 37 Luxembourg 65,200 51,600 23 Lyon 33,400 23,700 31 Madrid 33,300 26,100 38 Manid 2,700 2,500 40 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Milan 24,700 18,300 28 Moscow 3,700 3,200 19 Mumbai 3,300 2,900 43 Munich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52,000 35,500 33 Nicosia 33,600 28,900 35 Oslo 47,300 31,100 41 Paris 29,8 | | | | | |
| Los Angeles 52,000 40,200 37 Luxembourg 65,200 51,600 23 Lyon 33,400 23,700 31 Madrid 33,300 26,100 38 Manama 13,300 12,600 45 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Montreal 40,500 29,500 35 Moscow 3,700 3,200 19 Mumbai 3,300 2,900 43 Munich 41,000 25,800 35 Nicosia 37,000 3,000 45 New York 52,000 35,500 33 Nicosia 33,600 28,900 35 Oslo 47,300 31,100 41 Prague 11,300 8,600 40 Riga <td< td=""><td></td><td></td><td></td><td>40</td></td<> | | | | 40 | |
| Luxembourg 65,200 51,600 23 Lyon 33,400 23,700 31 Madrid 33,300 26,100 38 Manama 13,300 12,600 45 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Milam 38,200 28,800 40 Milan 24,700 18,300 28 Montreal 40,500 29,500 35 Moscow 3,700 3,200 19 Mumbai 3,300 2,990 43 Munich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52,000 35,500 33 Nicosia 33,600 28,900 35 Oslo 47,300 31,100 41 Paris 29,800 21,300 31 Riga 4,800 3,500 36 Riga 4,800 <td></td> <td></td> <td></td> <td>37</td> | | | | 37 | |
| Madrid 33,300 26,100 38 Manama 13,300 12,600 45 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Montreal 40,500 29,500 35 Moscow 3,700 3,200 19 Mumbai 3,300 2,900 43 Munich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52,000 35,500 35 Nicosia 33,600 28,900 35 Solo 47,300 31,100 41 Paris 29,800 21,300 31 Prague 11,300 8,600 40 Riga 4,800 3,500 36 Rio de Janeiro 5,900 4,600 36 Sao Paulo 6 | | | 51,600 | 23 | |
| Manama 13,300 12,600 45 Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Montreal 40,500 29,500 35 Moscow 3,700 3,200 19 Mumbai 3,300 2,900 43 Munich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52,000 35,500 33 Nicosia 33,600 28,900 35 Oslo 47,300 31,100 41 Paris 29,800 21,300 31 Prague 11,300 8,600 40 Riga 4,800 3,500 36 Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Sao Paulo 6,4 | * | | | 31 | |
| Manila 2,700 2,500 40 Mexico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Montreal 40,500 29,500 35 Moscow 3,700 3,200 19 Mumbai 3,300 2,900 43 Munich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52,000 35,500 33 Nicosia 33,600 28,900 35 Oslo 47,300 31,100 41 Paris 29,800 21,300 31 Prague 11,300 8,600 40 Riga 4,800 3,500 36 Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Seoul <t< td=""><td></td><td></td><td></td><td>38</td></t<> | | | | 38 | |
| Mexico City 7,900 7,300 38 Miami 38,200 28,800 40 Milan 24,700 18,300 28 Montreal 40,500 29,500 35 Moscow 3,700 3,200 19 Murnbai 3,300 2,900 43 Munich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52,000 35,500 33 Nicosia 33,600 28,900 35 Oslo 47,300 31,100 41 Paris 29,800 21,300 31 Prague 11,300 8,600 40 Riga 4,800 3,500 36 Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Seoul 43,300 29,600 40 Shanghai | | | | | |
| Miami 38,200 28,800 40 Milan 24,700 18,300 28 Montreal 40,500 29,500 35 Moscow 3,700 3,200 19 Mumbai 3,300 2,900 43 Munich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52,000 35,500 33 Nicosia 33,600 28,990 35 Oslo 47,300 31,100 41 Paris 29,800 21,300 31 Prague 11,300 8,600 40 Riga 4,800 3,500 36 Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Singapore | | | | 38 | |
| Milan 24,700 18,300 28 Montreal 40,500 29,500 35 Moscow 3,700 3,200 19 Mumbai 3,300 2,900 43 Munich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52,000 35,500 33 Nicosia 33,600 28,900 35 Oslo 47,300 31,100 41 Paris 29,800 21,300 31 Prague 11,300 8,600 40 Riga 4,800 3,500 38 Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Singapore 22,200 17,800 42 Stockholm | , | | | 40 | |
| Moscow 3,700 3,200 19 Mumbai 3,300 2,900 43 Munich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52,000 35,500 33 Nicosia 33,600 28,900 35 Oslo 47,300 31,100 41 Paris 29,800 21,300 31 Prague 11,300 8,600 40 Riga 4,800 3,500 36 Riga 4,800 3,500 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Stockholm 37,600 23,400 37 Sydney 38 | Milan | | | 28 | |
| Mumbai 3,300 2,900 43 Munich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52,000 35,500 33 Nicosia 33,600 28,900 35 Oslo 47,300 31,100 41 Paris 29,800 21,300 31 Prague 11,300 8,600 40 Riga 4,800 3,500 38 Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney | | | | 35 | |
| Munich 41,000 25,800 35 Nairobi 3,700 3,000 45 New York 52,000 35,500 33 Nicosia 33,600 28,900 35 Oslo 47,300 31,100 41 Paris 29,800 21,300 31 Prague 11,300 8,600 40 Riga 4,800 3,500 38 Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei | | | | | |
| Nairobi 3,700 3,000 45 New York 52,000 35,500 33 Nicosia 33,600 28,900 35 Oslo 47,300 31,100 41 Paris 29,800 21,300 31 Prague 11,300 8,600 40 Riga 4,800 3,500 38 Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tokyo | | | | | |
| New York 52,000 35,500 33 Nicosia 33,600 28,900 35 Oslo 47,300 31,100 41 Paris 29,800 21,300 31 Prague 11,300 8,600 40 Riga 4,800 3,500 38 Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tokyo 51,900 42,900 49 Toronto | | | | | |
| Nicosia 33,600 28,900 35 Oslo 47,300 31,100 41 Paris 29,800 21,300 31 Prague 11,300 8,600 40 Riga 4,800 3,500 38 Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Tokyo 51,900 42,900 49 Toronto | | | | 33 | |
| Paris 29,800 21,300 31 Prague 11,300 8,600 40 Riga 4,800 3,500 38 Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Tokyo 51,900 42,900 49 Toronto 42,900 31,400 40 Vienna 36,800 25,800 38 Vilnius | | | | 35 | |
| Prague 11,300 8,600 40 Riga 4,800 3,500 38 Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Tokyo 51,900 42,900 49 Toronto 42,900 31,400 40 Vienna 36,800 25,800 38 Vilnius 5,700 3,800 38 Warsaw | | | | 41 | |
| Riga 4,800 3,500 38 Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Toronto 42,900 31,400 40 Vienna 36,800 25,800 39 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 25 | | | | 31 | |
| Rio de Janeiro 5,900 4,600 36 Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Tokyo 51,900 42,900 49 Toronto 42,900 31,400 40 Vienna 36,800 25,800 38 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 29 | | | | | |
| Rome 19,300 14,200 35 Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Tokyo 51,900 42,900 49 Toronto 42,900 31,400 40 Vienna 36,800 25,800 38 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 29 | • | | | | |
| Santiago de Chile 9,100 7,300 43 Sao Paulo 6,400 5,600 28 Seoul 43,300 29,600 40 Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Tokyo 51,900 42,900 49 Toronto 42,900 31,400 40 Vienna 36,800 25,800 38 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 29 | | | | 35 | |
| Seoul 43,300 29,600 40 Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Tokyo 51,900 42,900 49 Toronto 42,900 31,400 40 Vienna 36,800 25,800 38 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 29 | Santiago de Chile | | | 43 | |
| Shanghai 3,400 2,600 40 Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Tokyo 51,900 42,900 49 Toronto 42,900 31,400 40 Vienna 36,800 25,800 38 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 29 | | | | 28 | |
| Singapore 22,200 17,800 42 Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Tokyo 51,900 42,900 49 Toronto 42,900 31,400 40 Vienna 36,800 25,800 39 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 29 | | | | 40 | |
| Sofia 2,100 1,600 33 Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Tokyo 51,900 42,900 49 Toronto 42,900 31,400 40 Vienna 36,800 25,800 39 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 25 | | | | | |
| Stockholm 37,600 23,400 43 Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Tokyo 51,900 42,900 49 Toronto 42,900 31,400 40 Vienna 36,800 25,800 39 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 29 | • . | | | | |
| Sydney 38,000 28,000 37 Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Tokyo 51,900 42,900 49 Toronto 42,900 31,400 40 Vienna 36,800 25,800 39 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 29 | | | | 43 | |
| Taipei 22,000 19,300 40 Tallinn 7,900 5,900 35 Tokyo 51,900 42,900 49 Toronto 42,900 31,400 40 Vienna 36,800 25,800 39 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 29 | | | | 37 | |
| Tokyo 51,900 42,900 49 Toronto 42,900 31,400 40 Vienna 36,800 25,800 39 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 29 | | | | 40 | |
| Toronto 42,900 31,400 40 Vienna 36,800 25,800 39 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 29 | | | | 35 | |
| Vienna 36,800 25,800 39 Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 29 | | | | 49 | |
| Vilnius 5,700 3,800 38 Warsaw 7,000 4,700 29 | | | | 40 | |
| Warsaw 7,000 4,700 29 | | | | | |
| | | | | 29 | |
| Zurich 72,100 51,800 41 | | | | 41 | |

Incomes and working hours of bus drivers¹

| of bus drive | ers' | | |
|-------------------------|------------------|------------------|----------|
| | Gross | Net | |
| | income | income | Weekly |
| | per year | per year | working |
| City | in USD | in USD | hours |
| Amsterdam | 35,400 | 23,700 | 37 |
| Athens | 21,300 | 16,800 | 39 |
| Auckland Bangkok | 26,000 3,700 | 20,500 3,500 | 35 45 |
| Barcelona | 23,100 | 18,500 | 40 |
| Beijing | 3,100 | 2,700 | 48 |
| Berlin | 33,200 | 21,500 | 43 |
| Bogotá | 4,200 | 3,700 | 54 |
| Bratislava | 8,700 | 6,800 | 41 |
| Brussels | 30,900 | 20,300 | 38 |
| Bucarest | 3,800 | 2,700 | 40 |
| Budapest | 9,400 | 6,200 | 41 |
| Buenos Aires Caracas | 10,500 6,200 | 8,700 5,600 | 48 40 |
| Chicago | 43,400 | 29,900 | 50 |
| Copenhagen | 42,200 | 25,700 | 37 |
| Delhi | 2,400 | 2,200 | 44 |
| Dubai | 10,200 | 9,800 | 48 |
| Dublin | 35,200 | 26,800 | 40 |
| Frankfurt | 31,000 | 23,600 | 38 |
| Geneva | 61,600 | 46,500 | 40 |
| Helsinki | 33,600 20.100 | 24,400 17.500 | 39 40 |
| Hong Kong Istanbul | 15,800 | 11,800 | 40 |
| Jakarta | 2,200 | 2,000 | 48 |
| Johannesburg | 6,400 | n.a. | 44 |
| Kiev | 3,200 | 2,700 | 40 |
| Kuala Lumpur | 6,300 | 5,600 | 48 |
| Lima | 4,000 | 2,800 | 55 |
| Lisbon | 16,500 | 13,200 | 40 |
| Ljubljana London | 14,400 | 11,400 | 41 |
| Los Angeles | 31,600 44,400 | 23,100 36,400 | 40 |
| Luxembourg | 46,700 | 39,800 | 40 |
| Lyon | 26,600 | 22,000 | 42 |
| Madrid | 24,100 | 19,000 | 39 |
| Manama | 8,000 | 7,600 | 45 |
| Manila | 4,100 | 3,400 | 44 |
| Mexico City | 3,900 | 3,700 | 47 |
| Miami Milan | 21,100 | 16,300 | 40 |
| Montreal | 24,200 33,600 | 17,700 24,700 | 39 |
| Moscow | 11,900 | 10,400 | 36 |
| Mumbai | 2,600 | 2,400 | 48 |
| Munich | 34,500 | 28,300 | 39 |
| Nairobi | 1,700 | 1,600 | 54 |
| New York | 47,100 | 31,500 | 42 |
| Nicosia | 25,200 | 22,800 | 40 |
| Oslo | 41,800 | 27,800 | 37 35 |
| Paris Prague | 27,300 10,000 | 19,600 7,600 | 40 |
| Riga | 5,700 | 4,300 | 38 |
| Rio de Janeiro | 6,800 | 6,500 | 42 |
| Rome | 23,500 | 17,400 | 40 |
| Santiago de Chile | 8,600 | 6,800 | 55 |
| Sao Paulo | 5,900 | 5,200 | 42 |
| Seoul | 25,200 | 19,600 | 42 |
| Shanghai | 3,100 | 2,500 | 47 |
| Singapore Sofia | 11,800 | 9,500 | 44 |
| Stockholm | 3,900 32,100 | 3,000 21,600 | 39 |
| Sydney | 32,700 | 24,700 | 40 |
| Taipei | 17,300 | 15,000 | n.a. |
| Tallinn | 7,100 | 5,300 | 40 |
| Tokyo | 45,100 | 35,900 | 46 |
| Toronto | 40,500 | 30,200 | 40 |
| Vienna | 29,200 | 21,600 | 39 |
| Vilnius | 4,100 | 2,700 | 40 |
| Warsaw Zurich | 8,100 69,400 | 5,400 53,500 | 41 |
| Zuncn | 03,400 | 33,300 | 42 |

Incomes and working hours of cooks²

| of cooks ² | | | |
|------------------------|------------------|------------------|----------|
| | Gross | Net | |
| | income | income | Weekly |
| | per year | per year | working |
| City | in USD | in USD | hours |
| Amsterdam | 31,300 | 18,300 | 39 |
| Athens Auckland | 20,500 32,300 | 15,500 23,600 | 40 30 |
| Bangkok | 6,300 | 5,900 | 48 |
| Barcelona | 36,500 | 29,200 | 42 |
| Beijing | 12,400 | 9,800 | 48 |
| Berlin | 36,000 | 23,900 | 40 |
| Bogotá | 12,400 | 10,400 | 46 |
| Bratislava Brussels | 8,900 39,600 | 7,000 23,100 | 42 38 |
| Bucharest | 13,100 | 9,100 | 40 |
| Budapest | 16,900 | 11,800 | 43 |
| Buenos Aires | 12,300 | 10,200 | 45 |
| Caracas | 11,200 | 10,000 | 48 |
| Chicago | 46,900 | 34,900 | 40 |
| Copenhagen Delhi | 57,300 4,400 | 30,600 4,000 | 39 48 |
| Dubai | 39.200 | 39,200 | 48 |
| Dublin | 44,200 | 33,900 | 41 |
| Frankfurt | 39,800 | 26,700 | 39 |
| Geneva | 45,000 | 30,300 | 42 |
| Helsinki | 36,300 | 25,800 | 39 |
| Hong Kong Istanbul | 13,900 30,800 | 12,100 22,200 | 48 47 |
| Jakarta | 4,400 | 3,800 | 47 |
| Johannesburg | 20,700 | 14,600 | 45 |
| Kiev | 7,400 | 6,200 | 40 |
| Kuala Lumpur | 15,400 | 12,300 | 48 |
| Lima | 6,800 | 4,900 | 48 |
| Lisbon Ljubljana | 32,000 20,400 | 23,400 11,500 | 40 41 |
| London | 37,100 | 27,600 | 41 |
| Los Angeles | 60,900 | 47,500 | 48 |
| Luxembourg | 35,400 | 27,200 | 40 |
| Lyon | 37,400 | 28,500 | 44 |
| Madrid | 36,600 | 27,700 | 40 |
| Manama Manila | 13,400 13,400 | 13,000 | 48 48 |
| Mexico City | 15,200 | 10,700 11,400 | 48 |
| Miami | 29,700 | 22,500 | 40 |
| Milan | 29,800 | 20,900 | 40 |
| Montreal | 42,800 | 29,500 | 40 |
| Moscow | 17,400 | 15,100 | 35 |
| Mumbai Munich | 9,000 42,800 | 6,800 | 52 39 |
| Nairobi | 10,900 | 26,800 8,100 | 48 |
| New York | 42,200 | 29,800 | 41 |
| Nicosia | 33,600 | 28,900 | 40 |
| Oslo | 54,100 | 36,700 | 38 |
| Paris | 41,300 | 27,000 | 36 |
| Prague Riga | 9,700 9,400 | 7,100 6,900 | 40 40 |
| Rio de Janeiro | 17,400 | 12,600 | 40 |
| Rome | 24,400 | 17,800 | 38 |
| Santiago de Chile | 14,900 | 11,800 | 47 |
| Sao Paulo | 18,900 | 15,500 | 40 |
| Seoul | 50,100 | 34,300 | 45 |
| Shanghai | 16,200 | 12,300 | 40 44 |
| Singapore Sofia | 18,500 4,300 | 14,800 3,100 | 44 |
| Stockholm | 34,500 | 20,600 | 40 |
| Sydney | 27,300 | 21,600 | 48 |
| Taipei | 26,300 | 21,300 | 48 |
| Tallinn | 11,600 | 8,600 | 40 |
| Tokyo | 41,000 | 31,600 | 48 |
| Toronto Vienna | 57,000 39,000 | 41,100 26,300 | 41 39 |
| Vilnius | 11,400 | 7,600 | 40 |
| Warsaw | 13 400 | 8 800 | 41 |

¹ Employed by municipal transport operator, around 10 year's experience; about 35 years old, married, two children.

41

42

8,800

37,000

13,400

49,300

Warsaw

² Commis chef or chef de partie in a good restaurant, supervising about 2 or 3 people; completed vocational training as cook and around 10 years' experience; about 30 years old, single; salary data include value of free board and lodging where provided.

n.a. = not available.

Incomes and working hours of personal assistants¹

| of personal | | | |
|-------------------|-----------------|-----------------|----------|
| | Gross | Net | |
| | income | income | Weekly |
| | per year | per year | working |
| City | in USD | in USD | hours |
| Amsterdam | 31,700 | 20,900 | 39 |
| Athens | 15,500 | 12,500 | 40 |
| Auckland | 27,500 | 21,500 | 38 |
| Bangkok | 6,700 | 6,300 | 40 |
| Barcelona | 29,800 | 23,900 | 40 |
| Beijing Berlin | 4,000 | 3,500 23,300 | 40 38 |
| Bogotá | 34,700 6,000 | 5,400 | 42 |
| Bratislava | 6,500 | 5,100 | 40 |
| Brussels | 36,500 | 22,000 | 38 |
| Bucharest | 6,100 | 4,200 | 40 |
| Budapest | 9,900 | 6,500 | 41 |
| Buenos Aires | 8,000 | 6,600 | 45 |
| Caracas | 4,400 | 3,900 | 40 |
| Chicago | 45,200 | 33,800 | 43 |
| Copenhagen | 46,900 | 26,500 | 38 |
| Delhi | 4,300 | 3,900 | 48 |
| Dubai | 27,800 | n.a. | 42 |
| Dublin | 33,200 | 27,500 | 39 |
| Frankfurt | 39,900 | 25,100 | 39 |
| Geneva | 48,000 | 33,600 | 40 |
| Helsinki | 32,400 | 24,200 | 37 |
| Hong Kong | 13,200 | 11,700 | 45 |
| Istanbul | 12,200 | 9,100 | 44 |
| Jakarta | 4,500 | 4,000 | 44 |
| Johannesburg | 14,700 | 12,200 | 40 |
| Kiev | 3,400 | 2,800 | 40 |
| Kuala Lumpur | 8,400 | 7,100 | 44 |
| Lima | 7,600 | 5,500 | 40 |
| Lisbon | 10,600 | 8,900 | 40 |
| Ljubljana | 13,600 | 8,300 | 40 |
| London | 42,100 | 31,400 | 39 |
| Los Angeles | 43,300 | 32,800 | 40 |
| Luxembourg | 31,800 | 25,900 | 40 |
| Lyon | 29,500 | 19,800 | 38 |
| Madrid | 25,500 | 20,200 | 40 |
| Manama | 16,000 | 15,500 | 39 |
| Manila | 2,300 | 1,900 | 40 |
| Mexico City | 10,100 | 9,100 | 45 |
| Miami | 35,100 | 26,500 | 40 |
| Milan | 24,400 | 17,400 | 40 |
| Montreal | 28,600 | 20,700 | 39 |
| Moscow | 6,800 4,000 | 5,900 3,600 | 40 48 |
| Mumbai Munich | 36,900 | 28,300 | 38 |
| Nairobi | 4,600 | 3,800 | 42 |
| New York | 40,200 | 29,200 | 41 |
| Nicosia | 21,000 | 17,600 | 40 |
| Oslo | 44,500 | 29,300 | 39 |
| Paris | 31,100 | 20,900 | 35 |
| Prague | 9,300 | 6,800 | 40 |
| Riga | n.a. | n.a. | n.a. |
| Rio de Janeiro | 11,000 | 8,800 | 40 |
| Rome | 18,500 | 13,600 | 38 |
| Santiago de Chile | 11,700 | 9,300 | 43 |
| Sao Paulo | 14,600 | 12,100 | 42 |
| Seoul | 25,800 | 20,000 | 45 |
| Shanghai | 4,500 | 3,600 | 40 |
| Singapore | 18,500 | 14,800 | 44 |
| Sofia | 3,800 | 3,000 | 40 |
| Stockholm | 29,800 | 20,000 | 40 |
| Sydney | 29,500 | 22,400 | 40 |
| Taipei | 11,900 | 10,100 | 40 |
| Tallinn | 8,800 | 6,500 | 40 |
| Tokyo | 32,900 | 25,700 | ,44 |
| Toronto | 28,100 | 21,100 | 40 |
| Vienna | 32,900 | 23,000 | 39 |
| Vilnius | 7,700 | 5,100 | 40 |
| Warsaw | 7,700 | 5,200 | 40 |
| Zurich | 55.600 | 40.200 | 42 |

Incomes and working hours female sales assistants²

| female sales assistants ² | | | | | |
|--------------------------------------|------------------|------------------|----------|--|--|
| | Gross Net | | | | |
| | income | income | Weekly | | |
| | per year | per year | working | | |
| City | in USD | in USD | hours | | |
| Amsterdam | 19,500 | 12,800 | 40 | | |
| Athens | 13,300 | 10,800 | 40 | | |
| Auckland | 22,300 | 17,700 | 35 | | |
| Bangkok Barcelona | 2,700 18,200 | 2,500 14,600 | 45 40 | | |
| Beijing | 2,700 | 2,400 | 45 | | |
| Berlin | 29,500 | 20,000 | 39 | | |
| Bogotá | 3,200 | 2,900 | 47 | | |
| Bratislava | 4,800 | 3,800 | 41 | | |
| Brussels | 23,500 | 15,500 | 37 | | |
| Bucharest | 5,100 6,900 | 3,600 5,000 | 40 43 | | |
| Budapest Buenos Aires | 4,600 | 3,200 | 43 | | |
| Caracas | 3,100 | 2,800 | 40 | | |
| Chicago | 28,700 | 22,600 | 41 | | |
| Copenhagen | 39,000 | 20,200 | 37 | | |
| Delhi | 2,100 | 1,900 | 50 | | |
| Dubai | 16,800 | 16,800 | 48 | | |
| Dublin | 29,300 | 23,700 | 39 | | |
| Frankfurt Geneva | 28,100 34,400 | 18,900 24,400 | 38 42 | | |
| Helsinki | 23,600 | 18,200 | 35 | | |
| Hong Kong | 10,800 | 10,300 | 56 | | |
| Istanbul | 10,400 | 7,300 | 44 | | |
| Jakarta | 2,600 | 2,300 | 40 | | |
| Johannesburg | 10,400 | 9,000 | 43 | | |
| Kiev | 4,100 | 3,400 | 40 | | |
| Kuala Lumpur Lima | 5,500 | 4,900 | 48 54 | | |
| Lisbon | 2,100 11,500 | n.a. 9,600 | 40 | | |
| Ljubljana | 9,300 | 6,200 | 41 | | |
| London | 34,600 | 25,800 | 38 | | |
| Los Angeles | 29,800 | 22,300 | 39 | | |
| Luxembourg | 21,900 | 18,400 | 40 | | |
| Lyon | 22,200 | 15,100 | 37 | | |
| Madrid | 18,700 | 16,600 | 40 48 | | |
| Manama Manila | 8,400 2,500 | 8,100 2,200 | 46 | | |
| Mexico City | 4,300 | 4,000 | 45 | | |
| Miami | 21,000 | 15,700 | 40 | | |
| Milan | 19,300 | 14,500 | 40 | | |
| Montreal | 19,800 | 15,600 | 39 | | |
| Moscow | 3,700 | 3,300 | 38 | | |
| Mumbai Munich | 2,400 | 2,100 | 48 | | |
| Nairobi | 28,300 3,700 | 20,100 3,200 | 39 49 | | |
| New York | 29,500 | 21,300 | 41 | | |
| Nicosia | 14,700 | 12,900 | 42 | | |
| Oslo | 39,000 | 26,100 | 37 | | |
| Paris | 22,300 | 15,800 | 35 | | |
| Prague | 9,900 | 7,100 | 40 | | |
| Riga Rio de Janeiro | 3,600 | 2,600 | 40 | | |
| Rome | 4,800 17,500 | 3,900 13,600 | 42 41 | | |
| Santiago de Chile | 10,300 | 8,200 | 53 | | |
| Sao Paulo | 8,400 | 6,500 | 36 | | |
| Seoul | 14,400 | 11,200 | 50 | | |
| Shanghai | 3,200 | 2,200 | 43 | | |
| Singapore | 9,600 | 7,700 | 44 | | |
| Sofia | 3,200 | 2,500 | 43 | | |
| Stockholm | 30,600 | 20,700 | 40 | | |
| Sydney Taipei | 21,900 11,700 | 15,300 10,300 | 40 45 | | |
| Tallinn | 9,300 | 6,900 | 40 | | |
| Tokyo | 28,600 | 22,800 | ,43 | | |
| Toronto | 17,500 | 13,800 | 40 | | |
| Vienna | 25,400 | 18,900 | 39 | | |
| Vilnius | 5,100 | 3,400 | 40 | | |
| Warsaw | 8,500 | 5,400 | 41 | | |

Zurich

55,600

40,200

42

Zurich

39,300

30,400

42

¹ Personal assistant to a department head in an industrial or service company, around 5 years' experience (PC skills, 1 foreign language); about 25 years old, single

² Employed in the women's clothing section of a large department store; sales training plus some years' sales experience, about 20 to 25 years old, single. n.a. = not available.

Incomes and working hours of Call center agents¹

| | Gross income | Net income | Weekly |
|------------------------|-----------------|-----------------|------------|
| | per year | per year | working |
| City | in USD | in USD | hours |
| Amsterdam | 32,600 | 21,800 | 38 |
| Athens | 14,400 | 11,600 | 40 |
| Auckland | 22,300 | 17,700 | 35 |
| Bangkok | 2,800 | 2,700 | 41 |
| Barcelona | 16,200 | 12,900 | 40 |
| Beijing Berlin | 2,400 19,900 | 1,600 13.800 | 40 40 |
| Bogotá | 6,500 | 5,800 | 47 |
| Bratislava | 9,300 | 7,200 | 42 |
| Brussels | 30,700 | 19,500 | 34 |
| Budapest | 7,700 | 5,200 | 43 |
| Buenos Aires | 4,700 | 4,000 | 38 |
| Bucharest | 4,200 | 2,900 | 40 |
| Caracas | 3,100 | 2,800 | 44 |
| Chicago | 44,200 | 33,100 | 43 |
| Delhi Dubai | 3,200 22,900 | 3,000 22,900 | 40 42 |
| Dublin | 26,700 | 21,700 | 39 |
| Frankfurt | 30,800 | 22,300 | 37 |
| Geneva | 37,800 | 25,700 | 41 |
| Helsinki | 27,300 | 20,700 | 38 |
| Hong Kong | 12,400 | 11,800 | 50 |
| Istanbul | 17,200 | 12,100 | 47 |
| Jakarta | 2,500 | 2,300 | 40 |
| Johannesburg | 17,200 | 14,000 | 43 |
| Kiev | 2,900 | 2,400 | 40 |
| Copenhagen | 40,800 | 22,900 | 37 |
| Kuala Lumpur | n.a. | n.a. | n.a. |
| Lima Lisbon | 7,100 9,200 | 6,300 7,900 | 45 40 |
| Ljubljana | 14,700 | 9,200 | 40 |
| London | 26,300 | 20,100 | 39 |
| Los Angeles | 37,700 | 25,900 | 40 |
| Luxembourg | 43,400 | 33,500 | 40 |
| Lyon | 26,900 | 17,300 | 35 |
| Madrid | 17,800 | 14,700 | 40 |
| Milan | 19,300 | 14,400 | 39 |
| Manama | n.a. | n.a. | n.a. |
| Manila Manila City | 4,300 | 3,700 | 43 |
| Mexico City Miami | 15,700 | 13,800 n.a. | 48 |
| Montreal | n.a. 26,200 | 19,700 | n.a. 39 |
| Moscow | 7,200 | 6,300 | 34 |
| Mumbai | 4,300 | 3,700 | 40 |
| Munich | 26,700 | 20,100 | 36 |
| Nairobi | 4,200 | 3,400 | 52 |
| New York | 49,000 | 32,600 | 41 |
| Nicosia | 16,800 | 14,900 | 40 |
| Oslo | 36,000 | 27,000 | 39 |
| Paris | 24,500 | 16,700 | 35 |
| Prague | 9,600 | 7,100 | 40 |
| Riga Rio de Janeiro | 3,800 3,400 | 2,800 3,400 | 40 40 |
| Rome | 3,400 n.a. | 3,400 n.a. | n.a. |
| Santiago de Chile | 8,600 | 6,300 | 43 |
| Sao Paulo | 6,700 | 5,900 | 36 |
| Seoul | 12,900 | 10,000 | 54 |
| Shanghai | 2,500 | 1,800 | 51 |
| Singapore | 13,300 | 10,700 | 44 |
| Sofia | 2,800 | 2,100 | 40 |
| Stockholm | 33,000 | 24,500 | 40 |
| Sydney | 26,800 | 20,400 | 35 |
| Taipei | 12,400 | 11,400 | 40 |
| Tallinn | 8,500 | 6,300 | 40 |
| Tokyo | 31,800 | 25,700 | ,40 |
| Toronto Vilnius | 22,300 5,100 | 17,600 3,400 | 38 40 |
| Warsaw | 6,900 | 4,600 | 38 |
| Vienna | 31,800 | 22,400 | 39 |
| | | | |

Incomes and working hours of bank credit officers²

| of bank credit officers ² | | | | | |
|--------------------------------------|------------------|------------------|----------|--|--|
| | Gross | Net | | | |
| | income | income | Weekly | | |
| | per year | per year | working | | |
| City | in USD | in USD | hours | | |
| Amsterdam | 45,700 | 23,000 | 38 | | |
| Athens Auckland | 25,600 26,200 | 19,700 21,100 | 39 40 | | |
| Bangkok | 6,400 | 5,900 | 40 | | |
| Barcelona | 38,900 | 31,100 | 40 | | |
| Beijing | 22,400 | 17,200 | 40 | | |
| Berlin | 51,200 | 31,700 | 39 | | |
| Bogotá | 13,800 | 11,700 | 44 | | |
| Bratislava | 11,800 | 9,200 | 41 | | |
| Brussels | 44,200 | 27,400 | 38 | | |
| Bucharest Budapest | 10,800 17,700 | 7,500 10,600 | 40 41 | | |
| Buenos Aires | 11,300 | 9,400 | 43 | | |
| Caracas | 4,100 | 3,500 | 44 | | |
| Chicago | n.a. | n.a. | n.a. | | |
| Copenhagen | 59,500 | 33,600 | 38 | | |
| Delhi | 5,400 | 4,400 | 44 | | |
| Dubai | 32,700 | 32,700 | 42 | | |
| Dublin | 46,400 | 38,000 | 39 | | |
| Frankfurt Geneva | 59,400 89,400 | 39,100 63,500 | 39 40 | | |
| Helsinki | 36,300 | 25,500 | 38 | | |
| Hong Kong | 14,300 | 10,900 | 45 | | |
| Istanbul | 18,000 | 12,100 | 44 | | |
| Jakarta | 5,600 | 4,700 | 44 | | |
| Johannesburg | 17,900 | 14,100 | 40 | | |
| Kiev | 5,800 | 4,800 | 40 | | |
| Kuala Lumpur | 7,000 | 6,200 | 44 | | |
| Lima | 16,000 | n.a. | 44 | | |
| Lisbon Ljubljana | 26,800 15,200 | 18,700 9,400 | 35 40 | | |
| London | 52,100 | 38,200 | 39 | | |
| Los Angeles | 29,200 | 24,300 | 40 | | |
| Luxembourg | 70,500 | 55,700 | 40 | | |
| Lyon | 54,900 | 27,200 | 38 | | |
| Madrid | 36,300 | 28,500 | 40 | | |
| Manama | 16,800 | 15,900 | 37 | | |
| Manila Mexico City | 3,400 10,100 | 2,800 9,100 | 40 48 | | |
| Miami | 30,800 | 23,300 | 40 | | |
| Milan | 30,300 | 21,800 | 39 | | |
| Montreal | 41,700 | 29,200 | 39 | | |
| Moscow | 18,400 | 16,000 | 38 | | |
| Mumbai | 4,900 | 4,300 | 53 | | |
| Munich | 45,000 | 31,700 | 39 | | |
| Nairobi | 5,600 | 4,200 | 44 | | |
| New York Nicosia | 38,500 31,500 | 27,000 27,400 | 41 38 | | |
| Oslo | 51,800 | 34,600 | 39 | | |
| Paris | 66,900 | 43,000 | 35 | | |
| Prague | 14,500 | 10,600 | 40 | | |
| Riga | 22,300 | 16,500 | 40 | | |
| Rio de Janeiro | 12,700 | 9,600 | 40 | | |
| Rome | 29,100 | 22,400 | 39 | | |
| Santiago de Chile | 25,700 | 20,500 | 43 | | |
| Sao Paulo Seoul | 11,600 40,200 | 8,900 31,100 | 37 45 | | |
| Shanghai | 20,100 | 14,800 | 40 | | |
| Singapore | 22,200 | 17,800 | 44 | | |
| Sofia | 3,700 | 2,600 | 40 | | |
| Stockholm | 37,300 | 24,100 | 40 | | |
| Sydney | 37,500 | 29,200 | 44 | | |
| Taipei | 22,900 | 20,700 | 40 | | |
| Tallinn | 14,100 | 10,500 | 40 | | |
| Tokyo Toronto | 74,900 41,100 | 56,300 30,100 | 53 40 | | |
| Vienna | 41,100 | 28,200 | 39 | | |
| Vilnius | 11,500 | 7,700 | 40 | | |
| 14/ | 10,000 | 7.200 | 40 | | |

¹ Trained agent at an inbound call/service centre, e.g. in the telecommunications ortechnology sector (age about 25, single)

40

42

7,200

68,500

10,900

84,900

Warsaw

² Completed bank training and around 10 years' experience in a bank; about 35 years old, married, two children.

n.a. = not available.

Exchanges rate changes 2003–2006

| City | Local cur (LC) | rency | USD/LC 2006 ¹ | USD/LC △% ∆2006/2003 | EUR/LC 2006 ¹ | EUR/LC △% ∆2006/2003 |
|-------------------|-------------------|-------|-----------------------------|-------------------------|-----------------------------|-------------------------|
| Amsterdam | EUR | 1 | 1.21 | 12.43 | 1.00 | _ |
| Athens | EUR | 1 | 1.21 | 12.43 | 1.00 | _ |
| Auckland | NZD | 1 | 0.66 | 19.31 | 0.54 | 6.14 |
| Bangkok | THB | 1 | 0.03 | 9.91 | 0.02 | -2.22 |
| Barcelona | EUR | 1 | 1.21 | 12.43 | 1.00 | _ |
| Beijing | CNY | 1 | 0.12 | 2.91 | 0.10 | -8.45 |
| Berlin | EUR | 1 | 1.21 | 12.43 | 1.00 | 0.02 |
| Bogotá | COP | 100 | 0.04 | 28.96 | 0.04 | 14.72 |
| Bratislava | SKK | 1 | 0.03 | 25.75 | 0.03 | 11.87 |
| Brussels | EUR | 1 | 1.21 | 12.43 | 1.00 | _ |
| Budapest | HUF | 100 | 0.47 | 6.69 | 0.39 | -5.09 |
| Buenos Aires | ARS | 1 | 0.33 | 5.30 | 0.27 | -6.32 |
| Bucharest | ROL | 1 | 0.34 | 13.11 | 0.28 | 0.62 |
| Caracas | VEB | 100 | 0.05 | -16.75 | 0.04 | -25.94 |
| Chicago | USD | 1 | 1.00 | 0.00 | 0.83 | -11.04 |
| Delhi | INR | 1 | 0.02 | 8.13 | 0.02 | -3.81 |
| Dubai | AED | 1 | 0.27 | 0.09 | 0.23 | -10.97 |
| Dublin | EUR | 1 | 1.21 | 12.43 | 1.00 | _ |
| Frankfurt | EUR | 1 | 1.21 | 12.43 | 1.00 | _ |
| Geneva | CHF | 1 | 0.77 | 5.49 | 0.64 | -6.16 |
| Helsinki | EUR | 1 | 1.21 | 12.43 | 1.00 | 0.02 |
| Hong Kong | HKD | 1 | 0.13 | 0.68 | 0.11 | -10.44 |
| Istanbul | TRL | 1 | 0.75 | 23.28 | 0.62 | 9.67 |
| Jakarta | IDR | 100 | 1.09 | -3.04 | 0.90 | –13.75 |
| Johannesburg | ZAR | 1 | 0.16 | 35.95 | 0.14 | 20.94 |
| Kiev | UAH | 1 | 0.10 | 7.83 | 0.14 | -4.07 |
| Copenhagen | DKK | 1 | 0.16 | 11.99 | 0.17 | -0.38 |
| Kuala Lumpur | MYR | 1 | 0.10 | 2.21 | 0.13 | -9.08 |
| Lima | PEN | 1 | 0.30 | 6.13 | 0.25 | -5.59 |
| Lisbon | EUR | 1 | 1.21 | 12.43 | 1.00 | 0.02 |
| Ljubljana | SIT | 100 | 0.50 | 8.53 | 0.42 | -3.46 |
| London | GBP | 1 | 1.75 | 9.38 | 1.45 | -3.40 -2.70 |
| | | 1 | 1.75 | | | |
| Los Angeles | USD | | | 0.00 | 0.83 | -11.04 |
| Luxembourg | EUR | 1 | 1.21 | 12.43 | 1.00 | _ |
| Lyon | EUR | 1 | 1.21 | 12.43 | 1.00 | - |
| Madrid | EUR | 1 | 1.21 | 12.43 | 1.00 | - |
| Milan | EUR | 1 | 1.21 | 12.43 | 1.00 | |
| Manama | BHD | 1 | 2.66 | 0.24 | 2.20 | -10.83 |
| Manila | PHP | 1 | 0.02 | 4.78 | 0.02 | -6.79 |
| Mexico City | MXN | 1 | 0.09 | 1.28 | 0.08 | -9.90 |
| Miami | USD | 1 | 1.00 | 0.00 | 0.83 | -11.04 |
| Montreal | CAD | 1 | 0.87 | 30.77 | 0.72 | 16.33 |
| Moscow | RUB | 1 | 0.04 | 13.02 | 0.03 | 0.54 |
| Mumbai | INR | 1 | 0.02 | 8.13 | 0.02 | -3.81 |
| Munich | EUR | 1 | 1.21 | 12.43 | 1.00 | |
| Nairobi | KES | 1 | 0.01 | 7.57 | 0.01 | -4.31 |
| New York | USD | 1 | 1.00 | 0.00 | 0.83 | -11.04 |
| Nicosia | CYP | 1 | 2.10 | n.a. | 1.74 | n.a. |
| Oslo | NOK | 1 | 0.15 | 6.54 | 0.13 | -5.23 |
| Paris | EUR | 1 | 1.21 | 12.43 | 1.00 | - |
| Prague | CZK | 1 | 0.04 | 24.30 | 0.03 | 10.58 |
| Riga | LVL | 1 | 1.74 | 0.98 | 1.44 | -10.17 |
| Rio de Janeiro | BRL | 1 | 0.46 | 59.39 | 0.38 | 41.79 |
| Rome | EUR | 1 | 1.21 | 12.43 | 1.00 | _ |
| Santiago de Chile | CLP | 100 | 0.19 | 40.28 | 0.16 | 24.79 |
| Sao Paulo | BRL | 1 | 0.46 | 59.39 | 0.38 | 41.79 |
| Shanghai | CNY | 1 | 0.12 | 2.91 | 0.10 | -8.45 |
| Seoul | KRW | 100 | 0.10 | 23.65 | 0.09 | 10.00 |
| Singapore | SGD | 1 | 0.62 | 7.17 | 0.51 | -4.66 |
| Sofia | BGL | 1 | 0.62 | 12.76 | 0.51 | 0.31 |
| Stockholm | SEK | 1 | 0.13 | 10.48 | 0.11 | -1.72 |
| Sydney | AUD | 1 | 0.74 | 24.44 | 0.61 | 10.70 |
| Taipei | TWD | 1 | 0.03 | 7.91 | 0.03 | -4.01 |
| Tallinn | EEK | 1 | 0.03 | 12.46 | 0.03 | 0.04 |
| Tel Aviv | ILS | 1 | 0.08 | 4.03 | 0.06 | -7.46 |
| Tokyo | JPY | 1 | 0.21 | 1.62 | 0.18 | -7.46 -9.60 |
| | | | | | | |
| Toronto | CAD | 1 | 0.87 | 30.77 | 0.72 | 16.33 |
| Vilnius | LTL | 1 | 0.35 | 12.48 | 0.29 | 0.06 |
| Warsaw | PLN | 1 | 0.31 | 22.28 | 0.26 | 8.77 |
| Vienna | EUR | 1 | 1.21 | 12.43 | 1.00 | - |
| Zurich | CHF | 1 | 0.77 | 5.49 | 0.64 | -6.16 |

Source: Datastream, International Monetary Fund, Oanda

¹Average exchange rates for period January–April 2006

Inflation (CPI) 2003-2006

| City (countries) | 2002 | 2004 | 2005 |
|---|-------------|------------|-------------|
| City (countries) Amsterdam (Netherlands) | 2003 | 2004 | 2005 |
| Athens (Greece) | 3.5 | 3.0 | 3.5 |
| Auckland (New Zealand) | 1.8 | 2.3 | 3.0 |
| Bangkok (Thailand) | 1.8 | 2.8 | 4.5 |
| Barcelona (Spain) | 3.1 | 3.1 | 3.4 |
| Beijing (China) | 1.2 | 3.9 | 1.8 |
| Berlin (Germany) | 1.0 | 1.8 | 1.9 |
| Bogotá (Colombia) | 7.1 8.5 | 5.9 7.5 | 5.0 2.8 |
| Bratislava (Slovakia) Brussels (Belgium) | 1.5 | 1.9 | 2.6 |
| Bucharest (Romania) | 15.3 | 11.9 | 9.0 |
| Budapest (Hungary) | 4.7 | 6.7 | 3.5 |
| Buenos Aires (Argentina) | 13.4 | 4.4 | 9.6 |
| Caracas (Venezuela) | 31.1 | 21.7 | 15.9 |
| Chicago (United States) | 2.3 | 2.7 | 3.4 |
| Copenhagen (Denmark) | 2.1 | 1.2 | 1.8 |
| Delhi (New Delhi, India) Dubai (United Arab Emirates) | 3.8 | 3.8 4.6 | 4.2 6.0 |
| Dublin (Ireland) | 4.0 | 2.3 | 2.2 |
| Frankfurt (Germany) | 1.0 | 1.8 | 1.9 |
| Geneva (Switzerland) | 0.6 | 0.8 | 1.2 |
| Helsinki (Finland) | 1.3 | 0.1 | 0.9 |
| Hong Kong (China) | -2.6 | -0.4 | 1.1 |
| Istanbul (Turkey) | 25.2 | 8.6 | 8.2 |
| Jakarta (Indonesia) | 6.8 | 6.1 | 10.5 |
| Johannesburg (South Africa) | 5.8 5.2 | 1.4 9.0 | 3.4 13.5 |
| Kiev (Ukraine) Kuala Lumpur (Malaysia) | 1.1 | 1.4 | 3.0 |
| Lima (Peru) | 2.3 | 3.7 | 1.6 |
| Lisbon (Portugal) | 3.3 | 2.5 | 2.1 |
| Ljubljana (Slovenia) | 5.6 | 3.6 | 2.5 |
| London (Great Britain) | 1.4 | 1.3 | 2.1 |
| Los Angeles (United States) | 2.3 | 2.7 | 3.4 |
| Luxembourg (Luxembourg) | 2.0 | 2.2 | 2.5 |
| Lyon (France) Madrid (Spain) | 2.2 3.1 | 2.3 | 1.9 |
| Manama (Bahrain) | 1.7 | 2.3 | 2.6 |
| Manila (Philippines) | 3.5 | 6.0 | 7.6 |
| Mexico City (Mexico) | 4.5 | 4.7 | 4.0 |
| Miami (United States) | 2.3 | 2.7 | 3.4 |
| Milan (Italy) | 2.8 | 2.3 | 2.3 |
| Montreal (Canada) | 2.7 | 1.8 | 2.2 |
| Moscow (Russia) Mumbai (Bombay, India) | 13.7 3.8 | 10.9 | 12.6 4.2 |
| Munich (Germany) | 1.0 | 1.8 | 1.9 |
| Nairobi (Kenya) | 9.8 | 11.6 | 10.3 |
| New York (United States) | 2.3 | 2.7 | 3.4 |
| Nicosia (Cyprus) | 4.1 | 2.3 | 2.6 |
| Oslo (Norway) | 2.5 | 0.4 | 1.6 |
| Paris (France) | 2.2 | 2.3 | 1.9 |
| Prague (Czech Republic) | 0.1 2.9 | 2.8 6.3 | 1.8 6.7 |
| Riga (Latvia) Rio de Janeiro (Brazil) | 14.8 | 6.6 | 6.9 |
| Rome (Italy) | 2.8 | 2.3 | 2.3 |
| Santiago de Chile (Chile) | 2.8 | 1.1 | 3.1 |
| Sao Paulo (Brazil) | 14.8 | 6.6 | 6.9 |
| Seoul (South Korea) | 3.6 | 3.6 | 2.7 |
| Shanghai (China) | 1.2 | 3.9 | 1.8 |
| Singapore (Singapore) | 0.5 2.3 | 1.7 | 0.5 |
| Sofia (Bulgaria) Stockholm (Sweden) | 2.3 | 6.1 1.1 | 5.0 |
| Sydney (Australia) | 2.8 | 2.3 | 2.7 |
| Taipei (Taiwan) | -0.3 | 1.6 | 2.3 |
| Tallinn (Estonia) | 1.3 | 3.0 | 4.1 |
| Tel Aviv (Israel) | 0.7 | -0.4 | 1.3 |
| Tokyo (Japan) | -0.3 | 0.0 | -0.3 |
| Toronto (Canada) | 2.7 | 1.8 | 2.2 |
| Vienna (Austria) Vilnius (Lithuania) | 1.3 -1.2 | 2.0 | 2.1 |
| Warsaw (Poland) | 0.8 | 3.5 | 2.0 |
| Zurich (Switzerland) | 0.6 | 0.8 | 1.2 |
| , | | | |

Source:International Monetary Fund

¹ Modification of the consumer price index (CPI) January 2003–January 2006

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Global Head Wealth Management Research: Dr. Klaus W. Wellershoff

Head Economic Research: Dr. Andreas Hoefert

Editor-in-Chief: Simone Hofer

Deputy Editor-in-Chief: Dorothea Fröhlich

Translation and proofreading: Christian Frey, Roy Greenspan, 24translate

Product Manager: Christian Burger

Desktop: René Rüegg

Project Assistant: Oliver Futterknecht

Feedback/Contact: sh-prices-earnings@ubs.com

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