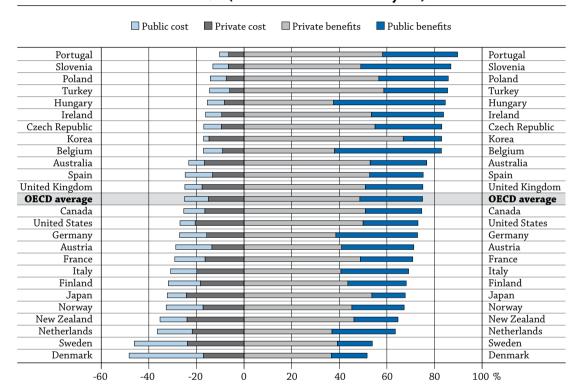
INDICATOR A9

WHAT ARE THE INCENTIVES TO INVEST IN EDUCATION?

- On average across 25 OECD countries, the total return (net present value), both private and public, to a man who successfully completes upper secondary and tertiary education is USD 380 000.
- The net public return on an investment in tertiary education is USD 91 000 for men almost three times the amount of public investment.
- On average, the gross earnings premium for an individual with a tertiary degree exceeds USD 300 000 for men and USD 200 000 for women across OECD countries.

Chart A9.1. Distribution of public/private costs/benefits for a woman obtaining tertiary education as part of initial education, ISCED 5/6 (2007 or latest available year)



Notes: Australia, Belgium and Turkey refer to 2005; Ireland, Italy, the Netherlands, Poland, Portugal and the United Kingdom refer to 2006. All other countries refer to 2007.

Cashflows are discounted at a 3% interest rate.

Countries are ranked in descending order of the benefits (public+private) as a proportion of total (public+private), net present value for females immediately acquiring tertiary education, ISCED 5/6.

Source: OECD, Tables A9.3 and 9.4. See Annex 3 for notes (www.oecd.org/edu/eag2011).

StatLink http://dx.doi.org/10.1787/888932460610

Context

The financial benefits of completing higher levels of education motivate individuals to postpone consumption today for future rewards. From a policy perspective, awareness of economic incentives is crucial to understanding how individuals move through the education system. Large shifts in the demand for education can drive up earnings and returns considerably before supply catches up. This provides a strong signal, both to individuals and to the education system, of the need for additional investment.

In some countries, however, the labour market may not effectively signal demand because of rigid labour laws and structures that tend to compress wages across different educational groups. Apart from these labour-related issues, major components of the return to education are directly linked to policy; access to education, taxes and the costs of education for the individual. The economic benefits of education flow not only to individuals but also to society, in lower social transfers and in the additional taxes individuals pay once they enter the labour market. In shaping policies, it is important to consider the balance between private and public returns.

INDICATOR A9

Other findings

- In Austria, Norway, Portugal, the United Kingdom and the United States, a man with an upper secondary or post-secondary non-tertiary education can expect a gross earnings premium of more than USD 200 000 over his working life compared with a man who has not attained that level of education.
- The value of the gross earnings premium for men and women with a tertiary education is substantial. For example, over the course of their working lives, tertiary-educated men in Hungary, Ireland, Italy, Korea, Portugal, Slovenia and the United Kingdom can expect to earn at least USD 400 000 more than those with an upper secondary and post-secondary nontertiary education. In the United States, this figure exceeds USD 600 000.
- On average across OECD countries with comparable data, a woman who invests in tertiary education can expect a net gain of more than USD 100 000. In Ireland, Korea, Portugal, Slovenia, the United Kingdom and the United States, the investment generates a net present value over USD 150 000 – a strong incentive to complete this level of education.
- An individual invests an average of USD 50 000 to acquire a tertiary qualification, when direct and indirect costs are taken into account. In Japan and the United States, this investment exceeds USD 100 000 in the case of a man who obtains a tertiary education.

Analysis

Financial returns on investment in education

The overall benefits of education can be assessed by estimating the economic value of the investment in education, which essentially measures the degree to which the costs of attaining higher levels of education translate into higher levels of earnings.

To understand how costs and benefits are shared between the private and public side, the calculation of benefits includes taxes, social contributions and social transfers as well as differences in the probability of finding work by educational level. The cost components include public and private direct costs, as well as foregone earnings while in school, adjusted for the probability of finding work, and for foregone taxes, social contributions and social transfers. This indicator relies on 2007 data or earlier latest available year.

In practice, raising levels of education will give rise to a complex set of fiscal effects beyond those taken into account here. As earnings generally increase with educational attainment, those individuals with higher levels of education consume more goods and services, and thus pay additional taxes on their consumption. Public returns are thus underestimated in the following calculations.

Individuals with higher earnings typically also pay more into their pension schemes and, after leaving the labour force, will have a further income advantage that is not taken into account in the calculations here. Similarly, many governments have schemes that provide loans to students at interest rates below those used in this exercise. These subsidies can often make a substantial difference in the returns to education for the individual. Given these factors, the returns on education in different countries should be assessed with caution.

Both costs and benefits are discounted back in time at a real discount rate of 3%, reflecting the fact that the calculations are made in constant prices (see Methodology section for further discussion of the discount rate). The economic benefits of tertiary education are compared to those of upper secondary education; for upper secondary education, below upper secondary education is used as a point of reference. In the calculations, women are benchmarked against women and men against men.

Incentives for the individual to invest in education

Upper secondary education or post-secondary non-tertiary education

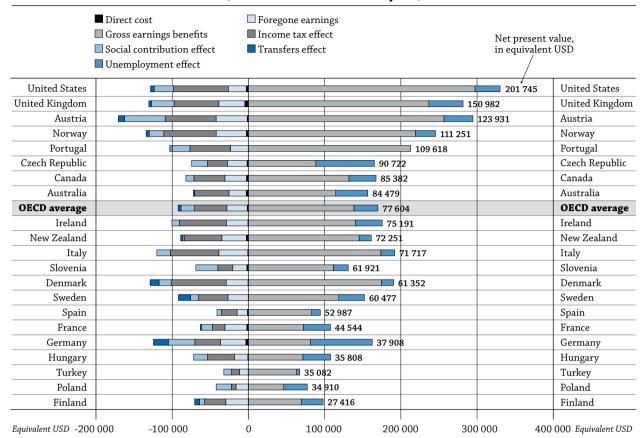
Table A9.1 shows the value of each component and the net present value of the overall investment for a young woman and a young man attaining an upper secondary or a post-secondary non-tertiary education.

The direct costs of education for a man investing in an upper secondary or post-secondary non-tertiary education are usually negligible; the main investment cost is foregone earnings (Chart A9.2). Depending on the length of education, salary levels and the possibility of finding a job, foregone earnings vary substantially among countries. In Spain and Turkey, foregone earnings are less than USD 15 000, while in Austria, Italy and Norway, they exceed USD 35 000. Good labour-market prospects for young individuals who have not attained an upper secondary education increase the costs of further investment in education.

Gross earnings and reduced risk of unemployment over an individual's working life make up the benefit side. In most countries, men with an upper secondary or post-secondary non-tertiary education enjoy a significant earnings premium over those who have not attained that level of education. The value of reduced chances of unemployment can also be large. In the Czech Republic and Germany, the better employment prospects for men with this level of education are valued at USD 75 000 or more.

Additional education beyond compulsory schooling produces large returns from both the individual's and the public's perspective. A man who invests in upper secondary education or post-secondary non-tertiary education can expect a net gain of more than USD 78 000 during his working life over a man who has not attained that level of education. However, the amount varies significantly among countries: in the United Kingdom and the United States, this level of education generates over USD 150 000; but in Finland, Germany, Hungary, Poland and Turkey, the net benefits are less than USD 40 000 (Table A9.1).

Chart A9.2. Components of the private net present value for a man obtaining an upper secondary or post-secondary non-tertiary education, ISCED 3/4 (2007 or latest available year)



Notes: Australia, Belgium and Turkey refer to 2005; Italy, the Netherlands, Poland, Portugal and the United Kingdom refer to 2006. All other countries

Cashflows are discounted at a 3% interest rate.

Countries are ranked in descending order of the net present value.

Source: OECD, Table A9.1. See Annex 3 for notes (www.oecd.org/edu/eag2011).

StatLink http://dx.doi.org/10.1787/888932460629

Men generally enjoy better financial returns on their upper secondary or post-secondary non-tertiary education than women, except in Hungary, Ireland, Italy, Poland and Spain. On average across OECD countries, a woman can expect a net gain of USD 63 000 over her working life. Some countries' social safety nets may work against women investing in further education and upper secondary education, in particular. In these countries, low wages for women who do not have an upper secondary education may be supplemented by social benefit schemes, removing some of the income advantage in completing an upper secondary education.

Tertiary education

The rewards to individuals with a tertiary education are, on average, twice as large as the rewards for those with an upper secondary education, reflecting the fact that an upper secondary education has become the norm in OECD countries. In some countries, individuals need to obtain tertiary education to reap the full financial rewards of education beyond compulsory schooling.

The rewards for investing in tertiary education are typically higher for men, except in Australia, Spain and Turkey, where the returns are higher for women (Table A9.3). On average across OECD countries, a woman investing in tertiary education can expect a net gain of USD 110 000, while a man can expect a net gain of almost USD 175 000.

The value of the gross earnings premium for men and women with tertiary education is substantial. Men in Hungary, Ireland, Italy, Korea, Portugal, Slovenia, the United Kingdom and the United States can expect to earn at least an additional USD 400 000 over their working lives compared to an individual with an upper secondary and post-secondary non-tertiary education.

Chart A9.3 shows the components of the returns on tertiary education for men in different countries. Compared with upper secondary and post-secondary non-tertiary education, the impact of unemployment benefits is less pronounced than the earnings differential; and taxes and the direct costs of education are more substantial.

Tertiary education brings substantial rewards for men in Italy, Korea, Portugal and the United States, where an investment generates over USD 300 000 and thus gives a strong incentive to complete this level of education. The returns on tertiary education are lower in Denmark, New Zealand, Sweden and Turkey, where a man with a tertiary education can expect a net gain of between USD 56 000 and USD 74000 over his working life.

■ Direct cost ■ Foregone earnings ☐ Gross earnings benefits ■ Income tax effect Net present value, ■ Social contribution effect ■ Transfers effect in equivalent USD Unemployment effect ☐ Grant effect Portugal 373 851 Portugal 323 808 United States United States ■ 311 966 Italy Italy 300 868 Korea Korea Ireland **I** 253 947 Ireland **1** 240 449 Czech Republic Czech Republic 230 098 Hungary Hungary ■ 225 663 Slovenia Slovenia Poland 215 125 Poland 207 653 United Kingdom United Kingdom 175 670 Canada Canada **175** 067 **OECD** average **OECD** average Austria **173 522** Austria Germany 147 769 Germany France France **144 133** Japan Japan **143** 018 Finland 135 515 Finland Belgium 115 464 Belgium Netherlands 112 928 Netherlands Australia 100 520 Australia Spain 95 320 Spain

Chart A9.3. Components of the private net present value for a man obtaining tertiary education, ISCED 5/6 (2007 or latest available year)

Notes: Australia, Belgium and Turkey refer to 2005; Italy, the Netherlands, Poland, Portugal and the United Kingdom refer to 2006. All other countries refer to 2007.

200 000

92 320

I 74 457

□ 62 481

55 946

400 000

■ 64 177

Norway

Turkey

Sweden

600 000

Denmark

800 000 Equivalent USD

New Zealand

Cashflows are discounted at a 3% interest rate.

Norway

Turkey

Sweden

Denmark

Equivalent USD -400 000

New Zealand

Countries are ranked in descending order of the net present value.

Source: OECD, Table A9.3. See Annex 3 for notes (www.oecd.org/edu/eag2011).

-200 000

Much of the difference between countries is driven by earnings differentials. Factors such as supply and demand for highly educated individuals are important in some countries while the overall reward structure in the labour market (overall wage compression) plays an important role in other countries.

One way to mitigate weak labour market returns is to provide higher education at lower costs for the individual. Apart from subsidising the direct costs of education, a number of countries also provide students with loans and grants to improve incentives and access to education. Grants are particularly important in Austria, Denmark, Finland, the Netherlands and Sweden, where they make up more than 15% of the total investment cost (direct costs and foregone earnings). In Denmark, over 55% of the total private investment is covered by government grants.

Many countries also have favourable and substantial student loans that further lower investment costs and make investing more attractive (this will be further explored in forthcoming editions of *Education at a Glance*). Both grants and loans are particularly important tools for recruiting students from less affluent backgrounds. There is, of course, a danger in focusing only on the supply side of the investment. As younger generations become more mobile, a reward structure that does not adequately compensate more highly educated individuals could eventually lead to a loss of these individuals to countries with higher earnings potentials.

Box A9.1. Estimating returns to education

There are two main approaches to estimating the financial returns to education: one founded on financed-based investment theory, the other on labour economics-based econometric specification.

The basis for an investment approach is the discount rate (the time-value of money), which makes it possible to compare costs or payments (cash flows) over time. The discount rate can be estimated either by raising it to the level at which financial benefits equal costs, which is then the internal rate of return, or by setting the discount rate at a rate that takes into consideration the risk involved in the investment, which is then a net present value calculation, with the gains expressed in monetary units.

The econometric approach taken in labour economics originates from Mincer (1974). In this approach, returns to education are estimated in a regression relating earnings to years of education, labour market experience and tenure. This basic model has been extended in subsequent work to include educational levels, employment effects and additional control variables such as gender and work characteristics (part-time, firm size, contracting arrangements, utilisation of skills, etc.). The drawback of a regression approach is typically the scarcity of information beyond gross earnings to determine public and private returns, which makes it difficult to assess the actual incentives for individuals to invest in education.

Apart from availability of data, the main difference between the two approaches is that the investment approach is forward-looking (although historical data are typically used) whereas an econometric approach tries to establish the actual contribution of education to gross earnings by controlling for other factors that can influence earnings and returns. This distinction has implications for the assumptions and for the interpretation of returns to education. As the investment approach focuses on the incentives at the time of the investment decision, it is prudent not to remove the effects of (controlling for) other factors, such as work characteristics, as these are not known ex-ante and could be seen as part of the average returns that an individual can expect to receive when deciding to invest in education.

Depending on the impact of the control variables and how steep the earnings curves are, the results of the two approaches can diverge quite substantially. Returns may differ within discounting models, too, depending on other underlying assumptions, the size of cash flows and how these are distributed over the life span. It is therefore generally not advisable to compare rates of return from different approaches or studies.

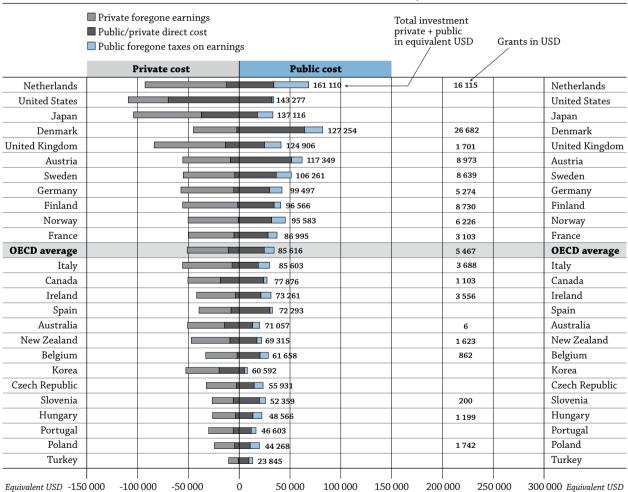
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There are some trade-offs between taxes and the direct costs of education (tuition fees) that are linked to government support for higher education. In countries with low or no tuition fees, individuals typically pay back public subsidies later in life through progressive tax schemes. In countries in which a larger portion of the investment falls on the individual, in the form of tuition fees, earnings differentials are larger and a larger portion of them accrues to the individual. In general there is a positive link, albeit a weak one, between the private direct costs of education and the overall net present value of the education.

Public rate of return on investments in education

Tables A9.2 and A9.4 show the public returns to individuals who obtain upper secondary or post-secondary non-tertiary and tertiary education as part of initial education. Chart A9.4 shows the public and private costs for men who invest in tertiary education. On average across OECD countries, over USD 85 000 is invested in a man's tertiary education, taking into account public and private spending, as well as indirect costs in the form of public and private foregone earnings and taxes. In Austria, Denmark, Japan, the Netherlands, Sweden, the United Kingdom and the United States, the value of investment costs exceeds USD 100 000 (Chart A9.4).

Chart A9.4. Public versus private investment for a man obtaining tertiary education, ISCED 5/6 (2007 or latest available year)



Notes: Australia, Belgium and Turkey refer to 2005; Italy, the Netherlands, Poland, Portugal and the United Kingdom refer to 2006. All other countries refer to 2007.

Cashflows are discounted at a 3% interest rate.

Countries are ranked in descending order of the total public + private cost.

Source: OECD, Tables A9.3 and A9.4. See Annex 3 for notes (www.oecd.org/edu/eag2011).

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Direct costs for education are generally borne by the public sector, except in Australia, Japan, Korea, and the United States, where private direct costs such as tuition fees constitute over half of the overall direct investment costs. Together with foregone public earnings in the form of taxes and social contributions, direct and indirect public investment costs for a man with a tertiary education exceed USD 50 000 in Austria, Denmark, the Netherlands and Sweden. In Korea and Turkey, the total public investment cost does not exceed USD 15 000. On average among OECD countries, the total value of public investment for a man who obtains a tertiary qualification is USD 34 000 (Table A9.4).

Although public investments in tertiary education are large in many countries, private investment costs are larger in most countries. In Japan, the Netherlands, the United Kingdom and the United States, an individual invests over USD 80 000 to acquire a tertiary qualification when direct and indirect costs are taken into account. On average across OECD countries, direct costs, such as tuition fees, constitute approximately 20% of the total investment made by a tertiary graduate. In the United States, direct costs represent more than 60% of the investment, and in Canada, Japan and Korea, between 35%-40% (Table A9.3).

The decision to continue education at the tertiary level is a difficult one to take, since much is at stake, particularly for young individuals from less affluent backgrounds. To alleviate the financial burden, most countries provide grants to students. These are particularly large in Denmark (USD 25 700) and the Netherlands (USD 16 100). Note that these grants are not included in the private and public costs shown in Chart A9.4 but are displayed to illustrate the magnitude of these transfers between the private and public side. With the substantial private and public gains from tertiary investments, financial support in the form of grants and loans are important to ensure that people are not prevented from making these investments because of financial constraints.

For an individual, foregone earnings make up a substantial part of overall investment costs. In countries with lengthy tertiary education, such as Finland, Germany, the Netherlands and Sweden, foregone earnings are large (see Indicator B1). Earnings foregone also depend on expected wage levels and the probability of finding a job. As the labour market for young adults worsens (see Indicator C4) investment costs will fall. As highereducated individuals typically fare better in the labour market in times of economic hardship, larger earnings differentials further improves the benefit side. The incentives to invest in education from both the private and public side are likely to be greater in most OECD countries in the coming years.

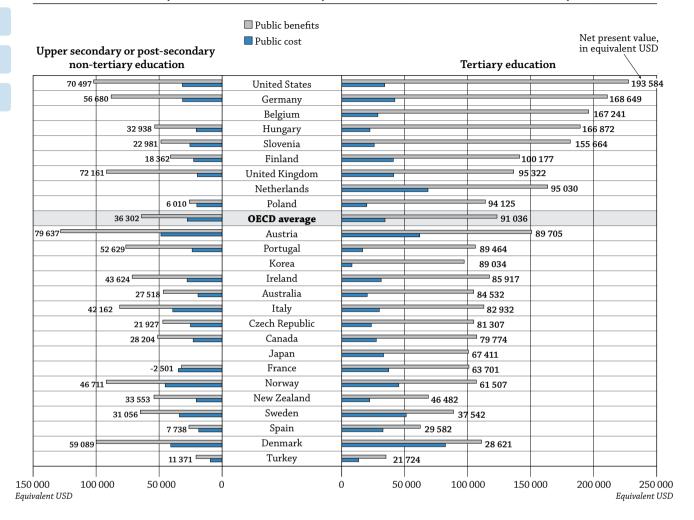
Investments in education also generate public returns from higher income levels in the form of income taxes, increased social insurance payments and lower social transfers. Chart A9.5 compares the public costs and economic benefits when a man invests in an upper secondary or post-secondary non-tertiary education and in tertiary education.

The public returns for a man investing in upper secondary or post-secondary non-tertiary education are positive in all countries. On average across OECD countries, this level of education generates a net return of USD 36 000; in Austria, the United Kingdom and the United States, it generates a net return of more than USD 70 000. The public returns to a woman investing in this level of education are USD 10 000 less than for a man, on average across OECD countries (Table A9.2). Nonetheless, the benefits are more than twice as large, on average, as the overall public costs for upper secondary or post-secondary non-tertiary education, for both men and women. In a few countries, students need to continue beyond upper secondary education for the public sector to reap the full benefits.

The public returns to tertiary education are substantially larger than the public returns to upper secondary or post-secondary non-tertiary education in part because a larger share of the investment costs are borne by the individuals themselves. The main contributing factors are, however, the higher taxes and social contributions that flow from the higher income levels of those with tertiary qualifications. In Belgium, Germany and the United States, these benefits exceeds USD 190 000 over an individual's working life (Chart A9.5).

On average across OECD countries, the net public return on an investment in tertiary education is over USD 90 000 for a man and USD 55 000 for a woman at this level of education. Even after taking into account student grants, the public benefits outweigh the costs by more than four times, on average. In Hungary and Korea, the benefits are 10 times larger than the public sector's initial investment in a student's tertiary education.

Chart A9.5. Public cost and benefits for a man obtaining upper secondary or post-secondary non-tertiary education and tertiary education (2007 or latest available year)



Notes: Korea is not included in the chart because of data-quality issues at that level. Japan is not included because the data at lower and upper secondary level of education are not broken down. The Netherlands are not included in the table because upper secondary education is compulsory. Australia, Belgium and Turkey refer to 2005; Italy, the Netherlands, Poland, Portugal and the United Kingdom refer to 2006. All other countries refer to 2007.

Cashflows are discounted at a 3% interest rate.

Countries are ranked in descending order of the net present value at tertiary level of education.

Source: OECD, Tables A9.2 and A9.4. See Annex 3 for notes (www.oecd.org/edu/eag2011).

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Returns on investments, taxation and labour-market rewards

The overall wage dispersion drives much of the returns for both the individual and the public sector. A compressed wage structure will typically generate lower returns to higher education. This is particularly true in the Nordic countries - Denmark, Norway and Sweden - and in New Zealand. The Nordic countries have generally offset the effects of this weak reward structure by providing a higher education system almost free of charge and by having a generous student-grant system; New Zealand has shared some of the direct costs with the individual and has kept income taxes low (see Indicator A10).

A number of countries have substantially larger overall income inequality, which is also reflected in the gross earnings benefits for those with tertiary education. In some countries with overall lower cost structures supply and demand appears to drive earnings differentials.

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Although overall costs and income levels are low in the Czech Republic, Hungary, Poland, Portugal and Slovenia, higher education generates a substantially larger gross earnings premium over the working life than in the previous group of countries. Tertiary attainment levels in the working-age population are considerably below the OECD average (see Indicator A1), and the earnings premium has increased over the past decade in most of these countries (see Indicator A8). This suggests a short supply of higher-educated individuals, which has driven up wages and overall wage inequality over the years. As a result, the incentives are strong to make further investments, and this is also evident in the substantially higher entry rates into higher education in recent years (see Indicator A2). Given that the demand for more highly educated workers will continue to grow, it will take some time before a balance is reached.

The demand for higher-educated individuals appears to outpace the supply in other countries as well. Relative earnings have increased markedly over the past decade in Germany (by 22 percentage points), Italy and the United States (Table A8.2a). While tertiary attainment is high in the United States (41%), it is lower in Germany (26%) and substantially lower in Italy (15%) than the OECD average of 30% (Table A1.3a). To what extent the supply of higher-educated individuals matches the demand for them depends less on the overall level of tertiary-educated individuals and more on the industry structure and the pace of economic development. As a response to increasing demand and larger premiums, entry rates into tertiary education have increased in all three countries over the past 10 years, but less so in Italy and Germany where they are still below the OECD average (Table C2.2).

Given that the earnings premium and gross earnings benefits vary substantially among OECD countries, tax payments and benefits to the public sector also vary in ways that are somewhat contradictory to common perception. Because of low earnings premium in the Nordic countries, average tertiary earnings are typically below the income bracket where high marginal taxes are exercised. Instead, the largest public gains in tax and social security benefits from higher education typically occur in countries where earnings differentials are large or where average earnings levels reach high income-tax brackets.

The additional taxes and social contributions paid by those with a tertiary education are large in Belgium, Germany, Hungary, the Netherlands, Slovenia, and the United States, for example, stressing the importance for public policy to take a broad approach to strategic decisions on educational investments. Taxation and social policies also play an important role in promoting the supply of labour and are thus key to reaping the full benefits of the investments made in education.

It is important to note, however, that a number of countries have tax policies that effectively lower the actual tax paid by individuals, particularly by those in high income brackets. Tax relief for interest payments on mortgage debt have been introduced in many OECD countries to encourage homeownership. These schemes essentially favour those with higher education and high marginal taxes. The tax incentives for housing are particularly large in the Czech Republic, Denmark, Finland, Greece, the Netherlands, Norway, Sweden and the United States. For further information, see Andrews, et al. (2011).

Methodology

In calculating the returns to education, the approach taken here is the net present value (NPV) of the investment. In this framework, lifetime costs and benefits are transferred back to the start of the investment. This is done by discounting all cash flows back to the beginning of the investment with a set rate of interest (discount rate). The choice of interest rate is difficult, as it should reflect not only the overall time horizon of the investment, but also the cost of borrowing or the perceived risk of the investment. To keep things simple, and to make the interpretation of results easier, the same discount rate is applied across all OECD countries.

To arrive at a reasonable discount rate, long-term government bonds have been used as a benchmark. The average long-term interest rate across OECD countries was approximately 4.8% in 2007. Assuming that countries' central banks have succeeded in anchoring inflation expectations at or below 2% per year, a longterm nominal interest rate of 4.8% implies a real interest rate of 2.5% to 3%. The 3% real discount rate used

in this indicator reflects the fact that calculations are made in constant prices. The change in the discount rate since the 2009 edition of *Education at a Glance* has a substantial impact on the net present value of education, and that must be taken into account if returns are compared across different editions of the publication.

Discounting the costs and benefits to the present value with this interest rate makes the financial returns on the overall investment and values of the different components comparable across time and countries. Using the same unit of analysis also has the advantage of making it possible to add or subtract components across different educational levels or between the private and public sectors to understand how different factors interact.

NPV calculations are based on the same method as internal rate of return (IRR) calculations. The main difference between the two methods lies in how the interest rate is set. For calculations developed within the IRR framework, the interest rate is raised to the level at which the economic benefits equal the cost of the investment and it pinpoints the discount rate at which the investment breaks even.

In calculating the NPV, private investment costs include after-tax foregone earnings adjusted for the probability of finding a job (unemployment rate) and direct private expenditures on education. Both of these investment streams take into account the duration of studies. On the benefit side, age-earnings profiles are used to calculate the earnings differential between different educational groups (below upper secondary education; upper secondary or post-secondary non-tertiary education; and tertiary education).

These gross earnings differentials are adjusted for differences in income taxes, social contributions and social transfers, including housing benefits and social assistance related to earnings level, to arrive at net earnings differentials. The cash flows are further adjusted for probability of finding a job (unemployment rates). The calculations are done separately for men and women to account for differences in earnings differentials and unemployment rates.

In calculating public NPV, public costs include lost tax receipts during the years of schooling (income tax and social contributions) and public expenditures, taking into account the duration of studies. Lost tax receipts are low in some countries because young individuals have low earnings levels. Public expenditures on education include direct expenditures, such as payment of teachers' salaries or spending for the construction of school buildings, purchase of textbooks, etc., and public-private transfers, such as public subsidies to households for scholarships and other grants and to other private entities for providing training at the workplace, etc. The benefits for the public sector are additional tax and social contribution receipts associated with higher earnings and savings on transfers, i.e. housing benefits and social assistance that the public sector does not have to pay because of higher levels of earnings.

It is important to consider some of the broad conceptual limitations on the estimates of financial returns discussed here:

- The data reported are accounting-based values only. The results no doubt differ from econometric estimates that would use the same data on the micro level rather than a lifetime stream of earnings derived from average earnings.
- The approach used here estimates future earnings for individuals with different levels of educational attainment, based on knowledge of how average present gross earnings vary by level of attainment and age. However, the relationship between different levels of educational attainment and earnings may differ in the future. Technological, economic and social changes may all alter how wage levels relate to levels of educational attainment.
- Differences in returns across countries partly reflect different institutional and non-market conditions that bear on earnings, such as institutional conditions that limit flexibility in relative earnings.
- In estimating benefits, the effect of education on the likelihood of finding employment when wanting to work is taken into account. However, this also makes the estimate sensitive to the stage in the economic cycle at which the data are collected. As more highly educated individuals typically have a stronger attachment to the labour market, the value of education generally increases in times of poor economic growth.

The calculations also involve a number of restrictive assumptions needed for international comparability. For calculating the investments in education, foregone earnings have been standardised at the level of the legal minimum wage or the equivalent in countries in which earnings data include part-time work. When no national minimum wage was available, the wage was selected from wages set in collective agreements. This assumption aims to counterbalance the very low earnings recorded for 15-24 year-olds that led to excessively high estimates in earlier editions of Education at a Glance. In the Czech Republic, Hungary, Japan, the Netherland, Portugal and the United Kingdom, actual earnings are used in calculating foregone earnings, as part-time work is excluded in these earnings data collections.

For the methods employed for calculating the rates of return, please see Annex 3 at www.oecd.org/edu/eag2011.

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Table A9.1. [1/2] Private net present value and internal rate of return for an individual obtaining upper secondary or post-secondary non-tertiary education as part of initial education, in equivalent USD (2007 or latest available year)

	Year	Direct cost	Foregone earnings	Total costs	Grosss earnings benefits	Income tax effect	Social contribution effect	Transfers effect	Unemployment effect	Total benefits	Net Present value	Internal rate of return
							MAN					
Australia	2005	-2 891	-22 661	-25 553	114 598	-45 267	0	-1 364	42 065	110 032	84 479	14.4%
Austria	2007	-1 635	-40 820	-42 456	256 673	-66 828	-53 151	-8 227	37 919	166 386	123 931	12.3%
Belgium ¹												
Canada	2007	-2 642	-28 223	-30 865	131 999	-40 678	-10 499	0	35 426	116 248	85 382	12.2%
Chile		m	m	m	m	m	m	m	m	m	m	n
Czech Republic	2007	-1 870	-25 632	-27 502	88 484	-26 424	-20 613	0	76 777	118 224	90 722	14.3%
Denmark	2007	-547	-28 599	-29 146	174 294	-72 337	-15 813	-11 720	16 073	90 497	61 352	13.3%
Estonia		m	m	m	m	m	m	m	m	m	m	n
Finland	2007	-191	-29 402	-29 592	69 256	-27 948	-6 651	-6 392	28 744	57 009	27 416	7.5%
France	2007	-2 284	-28 513	-30 797	72 305	-16 559	-14 580	-1 082	35 258	75 341	44 544	8.79
Germany	2007	-3 435	-33 027	-36 462	81 600	-33 742	-34 846	-19 501	80 860	74 370	37 908	7.49
Greece		m	m	m	m	m	m	m	m	m	m	n
Hungary	2007	-814	-17 604	-18 417	71 585	-35 211	-18 296	0	36 147	54 225	35 808	10.99
Iceland		m	m	m	m	m	m	m	m	m	m	n
Ireland	2006	-666	-28 309	-28 975	140 658	-61 467	-9 941	0	34 915	104 166	75 191	9.69
Israel		m	m	m	m	m	m	m	m	m	m	n
Italy	2006	-884	-37 895	-38 780	173 902	-63 557	-17 786	0	17 938	110 497	71 717	7.29
Japan ²												
Korea ³												
Luxembourg		m	m	m	m	m	m	m	m	m	m	n
Mexico		m	m	m	m	m	m	m	m	m	m	n
Netherlands ¹												
New Zealand	2007	-2 787	-32 043	-34 830	145 304	-49 007	-2 097	-2 992	15 872	107 081	72 251	9.0%
Norway	2007	-2 674	-39 641	-42 315	219 291	-68 618	-19 139	-4 147	26 179	153 566	111 251	13.29
Poland	2006	-177	-16 120	-16 297	46 352	-6 124	-19 927	0	30 906	51 207	34 910	10.6%
Portugal	2006	-12	-23 445	-23 456	212 846	-53 287	-23 133	0	-3 353	133 074	109 618	11.59
Slovak Republic		m	m	m	m	m	m	m	m	m	m	n
Slovenia	2007	-2 176	-18 284	-20 460	111 618	-19 595	-28 948	0	19 307	82 381	61 921	12.19
Spain	2007	-1 348	-13 578	-14 926	83 112	-20 353	-5 965	0	11 119	67 913	52 987	9.5%
Sweden	2007	-22	-26 828	-26 850	118 530	-38 526	-10 616	-15 802	33 742	87 328	60 477	11.79
Switzerland		m	m	m	m	m	m	m	m	m	m	n
Turkey	2005	-336	-11 218	-11 554	63 318	-10 584	-10 115	0	4 017	46 637	35 082	9.59
United Kingdom	2006	-4 773	-34 026	-38 799	236 619	-58 798	-29 668	-3 350	44 978	189 781	150 982	13.59
United States	2007	-2 872	-23 524	-26 397	297 360	-71 888	-25 293	-4 848	32 811	228 142	201 745	21.4%
OECD average		-1 668	-26 638	-28 306	138 557	-42 228	-17 956	-3 782	31 319	105 910	77 604	11.4%

^{1.} Belgium and the Netherlands are not included in the table because upper secondary education is compulsory.

Please refer to the Reader's Guide for information concerning the symbols replacing missing data.

^{2.} Japan is not included in the table because the data at lower and upper secondary level of education are not broken down.

^{3.} Korea is not included in the table because of data-quality issues at that level.

Table A9.1. [2/2] Private net present value and internal rate of return for an individual obtaining upper secondary or post-secondary non-tertiary education as part of initial education, in equivalent USD (2007 or latest available year)

	Year	Direct cost	Foregone earnings	Total costs	Grosss earnings benefits	Income tax effect	Social contribution effect	Transfers effect	Unemployment effect	Total benefits	Net Present value	Internal rate of return
							WOMAN					
Australia Austria	2005	-2 891	-23 380	-26 271	94 208	-29 950	0	-17 689	23 288	69 857	43 586	11.9%
Austria	2007	-1 635	-39 437	-41 073	174 544	-27 749	-36 891	-24 746	24 375	109 534	68 461	8.9%
$Belgium^1$												
Canada	2007	-2 642	-28 852	-31 494	131 145	-28 469	-13 553	-719	23 229	111 632	80 138	10.7%
Chile		m	m	m	m	m	m	m	m	m	m	m
Czech Republic	2007	-1 870	-22 236	-24 106	84 041	-20 163	-18 570	0	65 558	110 866	86 760	15.9%
Denmark	2007	-547	-28 982	-29 529	131 336	-49 824	-12 498	0	14 882	83 896	54 366	11.1%
Estonia		m	m	m	m	m	m	m	m	m	m	m
Finland	2007	-191	-29 064	-29 255	46 963	-14 043	-4 657	-14 652	21 928	35 538	6 283	-1.5%
France	2007	-2 284	-25 279	-27 564	57 780	-11 178	-12 193	-2 502	31 655	63 562	35 998	7.8%
Germany	2007	-3 435	-33 213	-36 648	109 439	-29 559	-32 877	-35 152	44 706	56 558	19 910	5.6%
Greece		m	m	m	m	m	m	m	m	m	m	m
Hungary	2007	-814	-17 157	-17 971	73 201	-27 449	-17 656	0	30 554	58 649	40 678	10.9%
Iceland		m	m	m	m	m	m	m	m	m	m	m
Ireland	2006	-666	-28 326	-28 993	208 109	-25 953	-16 444	0	19 020	184 733	155 740	25.4%
Israel		m	m	m	m	m	m	m	m	m	m	m
Italy	2006	-884	-33 025	-33 909	137 400	-44 841	-15 224	0	28 616	105 951	72 042	8.5%
Japan ²												
Korea ³												
Luxembourg		m	m	m	m	m	m	m	m	m	m	m
Mexico		m	m	m	m	m	m	m	m	m	m	m
$Netherlands^1$												
New Zealand	2007	-2 787	-31 353	-34 139	75 316	-17 930	-1 125	-12 048	10 971	55 183	21 044	6.3%
Norway	2007	-2 674	-39 522	-42 196	131 887	-36 552	-11 685	-14 003	18 575	88 222	46 026	7.4%
Poland	2006	-177	-13 249	-13 425	62 434	-7 066	-22 813	0	26 653	59 207	45 781	11.9%
Portugal	2006	-12	-20 631	-20 642	150 215	-31 104	-17 731	0	10 416	111 796	91 153	20.8%
Slovak Republic		m	m	m	m	m	m	m	m	m	m	m
Slovenia	2007	-2 176	-18 557	-20 733	118 292	-16 877	-28 104	-708	9 009	81 612	60 879	11.3%
Spain	2007	-1 348	-11 938	-13 286	114 657	-31 228	-8 554	0	19 656	94 532	81 246	13.7%
Sweden	2007	-22	-26 139	-26 161	94 460	-31 299	-9 260	-20 376	38 890	72 415	46 253	9.6%
Switzerland		m	m	m	m	m	m	m	m	m	m	m
Turkey	2005	-336	-12 058	-12 394	75 879	-8 395	-9 432	0	-12 434	45 618	33 223	9.3%
United Kingdom	2006	-4 773	-34 679	-39 452	211 146	-51 120	-25 797	-49 919	31 680	115 990	76 538	10.5%
United States	2007	-2 872	-23 781	-26 653	230 500	-49 452	-20 044	-8 040	31 312	184 276	157 623	19.6%
OECD average		-1 668	-25 755	-27 424	119 664	-28 105	-15 958	-9 550	24 407	90 458	63 035	11.2%

^{1.} Belgium and the Netherlands are not included in the table because upper secondary education is compulsory.

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^{2.} Japan is not included in the table because the data at lower and upper secondary level of education are not broken down.

^{3.} Korea is not included in the table because of data-quality issues at that level.

Table A9.2. [1/2] Public net present value and internal rate of return for an individual obtaining upper secondary or post-secondary non-tertiary education as part of initial education, in equivalent USD (2007 or latest available year)

		Year	Direct cost	Foregone taxes on earnings	Total costs	Income tax effect	Social contribution effect	Transfers effect	Unemployment effect	Total benefits	Net Present value	Internal rate of return
							MAI	N				
OECD	Australia	2005	-14 757	-4 357	-19 114	36 052	0	1 364	9 215	46 632	27 518	8.6%
O	Austria	2007	-39 507	-9 061	-48 568	62 107	46 349	8 227	11 522	128 205	79 637	8.7%
	$Belgium^1$											
	Canada	2007	-20 114	-2 859	-22 974	35 962	8 078	0	7 138	51 178	28 204	7.1%
	Chile		m	m	m	m	m	m	m	m	m	m
	Czech Republic	2007	-18 306	-6 804	-25 110	17 500	11 059	0	18 478	47 037	21 927	6.7%
	Denmark	2007	-28 705	-12 076	-40 781	67 770	13 925	11 720	6 455	99 870	59 089	8.7%
	Estonia		m	m	m	m	m	m	m	m	m	m
	Finland	2007	-19 061	-3 568	-22 629	22 243	4 710	6 392	7 646	40 991	18 362	7.6%
	France	2007	-29 063	-5 660	-34 722	12 887	9 800	1 082	8 452	32 221	-2 501	2.7%
	Germany	2007	-23 597	-7 812	-31 410	20 790	17 860	19 501	29 938	88 089	56 680	15.6%
	Greece		m	m	m	m	m	m	m	m	m	m
	Hungary	2007	-14 543	-6 026	-20 569	29 396	12 189	0	11 922	53 507	32 938	8.3%
	Iceland		m	m	m	m	m	m	m	m	m	m
	Ireland	2006	-20 729	-7 054	-27 784	56 783	8 256	0	6 369	71 408	43 624	7.1%
	Israel		m	m	m	m	m	m	m	m	m	m
	Italy	2006	-30 614	-8 568	-39 181	59 924	16 143	0	5 277	81 343	42 162	5.7%
	Japan ²											
	Korea ³											
	Luxembourg		m	m	m	m	m	m	m	m	m	m
	Mexico		m	m	m	m	m	m	m	m	m	m
	$Netherlands^1$											
	New Zealand	2007	-16 527	-4 015	-20 542	45 654	1 891	2 992	3 559	54 096	33 553	8.0%
	Norway	2007	-34 470	-10 723	-45 193	63 445	17 112	4 147	7 199	91 904	46 711	7.7%
	Poland	2006	-12 824	-7 216	-20 040	4 246	11 991	0	9 813	26 050	6 010	4.4%
	Portugal	2006	-19 937	-3 854	-23 791	53 798	23 500	0	-879	76 420	52 629	7.7%
	Slovak Republic		m	m	m	m	m	m	m	m	m	m
	Slovenia	2007	-20 398	-5 164	-25 562	17 749	24 705	0	6 089	48 543	22 981	6.2%
	Spain	2007	-17 532	-1 048	-18 580	19 077	5 263	0	1 977	26 317	7 738	4.3%
	Sweden	2007	-26 133	-7 755	-33 888	31 370	8 273	15 802	9 500	64 944	31 056	9.7%
	Switzerland		m	m	m	m	m	m	m	m	m	m
	Turkey	2005	-4 776	-4 551	-9 327	9 997	9 514	0	1 188	20 699	11 371	6.4%
	United Kingdom	2006	-15 838	-3 817	-19 655	51 838	25 919	3 350	10 709	91 815	72 161	10.1%
	United States	2007	-30 470	-1 063	-31 533	66 801	22 796	4 848	7 585	102 029	70 497	10.4%
	OECD average		-21 805	-5 860	-27 664	37 399	14 254	3 782	8 531	63 967	36 302	7.7%

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^{3.} Korea is not included in the table because of data-quality issues at that level.

Table A9.2. [2/2] Public net present value and internal rate of return for an individual obtaining upper secondary or post-secondary non-tertiary education as part of initial education, in equivalent USD (2007 or latest available year)

	Year	Direct cost	Foregone taxes on earnings	Total costs	Income tax effect	Social contribution effect	Transfers effect	Unemployment effect	Total benefits	Net Present value	Internal rate of return
						WOM	AN				
Australia	2005	-14 757	-4 495	-19 252	25 858	0	17 689	4 092	47 639	28 387	17.2%
Australia Austria	2007	-39 507	-8 754	-48 261	27 007	32 530	24 746	5 103	89 385	41 124	7.1%
Belgium ¹											
Canada	2007	-20 114	-2 923	-23 037	26 822	12 040	719	3 161	42 742	19 705	5.8%
Chile		m	m	m	m	m	m	m	m	m	m
Czech Republic	2007	-18 306	-5 395	-23 701	13 867	10 427	0	14 439	38 733	15 032	5.9%
Denmark	2007	-28 705	-12 238	-40 943	46 022	10 562	0	5 738	62 322	21 379	5.7%
Estonia		m	m	m	m	m	m	m	m	m	m
Finland	2007	-19 061	-3 527	-22 588	10 562	3 188	14 652	4 951	33 353	10 765	6.9%
France	2007	-29 063	-5 018	-34 081	8 626	7 905	2 502	6 841	25 873	-8 207	1.8%
Germany	2007	-23 597	-7 856	-31 454	25 731	23 521	35 152	13 184	97 588	66 134	12.5%
Greece		m	m	m	m	m	m	m	m	m	m
Hungary	2007	-14 543	-5 838	-20 381	23 484	12 493	0	9 129	45 106	24 725	6.9%
Iceland		m	m	m	m	m	m	m	m	m	m
Ireland	2006	-20 729	-7 059	-27 788	25 089	15 882	0	1 426	42 396	14 608	5.2%
Israel		m	m	m	m	m	m	m	m	m	m
Italy	2006	-30 614	-7 466	-38 080	40 842	12 613	0	6 610	60 065	21 984	4.8%
Japan ²											
Korea ³											
Luxembourg		m	m	m	m	m	m	m	m	m	m
Mexico		m	m	m	m	m	m	m	m	m	m
$Netherlands^1$		cf notes									
New Zealand	2007	-16 527	-3 929	-20 456	15 897	984	12 048	2 175	31 104	10 648	5.7%
Norway	2007	-34 470	-10 691	-45 161	33 825	10 251	14 003	4 161	62 240	17 079	5.3%
Poland	2006	-12 824	-5 684	-18 508	5 661	15 984	0	8 235	29 879	11 371	5.3%
Portugal	2006	-19 937	-2 842	-22 779	30 147	16 590	0	2 098	48 835	26 056	6.1%
Slovak Republic		m	m	m	m	m	m	m	m	m	m
Slovenia	2007	-20 398	-5 241	-25 639	16 274	26 130	708	2 577	45 690	20 050	5.8%
Spain	2007	-17 532	-921	-18 453	29 970	7 315	0	2 496	39 781	21 328	6.0%
Sweden	2007	-26 133	-7 556	-33 689	23 870	6 567	20 376	10 122	60 934	27 246	9.2%
Switzerland		m	m	m	m	m	m	m	m	m	m
Turkey	2005	-4 776	-4 892	-9 668	10 025	11 264	0	-3 463	17 827	8 159	5.8%
United Kingdom	2006	-15 838	1 057	-14 781	46 747	23 374	49 919	6 796	126 836	112 055	21.9%
United States	2007	-30 470	-1 074	-31 544	45 414	17 671	8 040	6 411	77 536	45 992	9.0%
OECD average		-21 805	-5 350	-27 155	25 321	13 204	9 550	5 537	53 613	26 458	7.6%

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^{3.} Korea is not included in the table because of data-quality issues at that level.

Table A9.3. Private net present value and internal rate of return for an individual obtaining tertiary education as part of initial education, in equivalent USD (2007 or latest available year)

		Year	Direct cost	Foregone earnings	Grosss earnings benefits	Income tax effect	Social contribution effect	Transfers effect	Unemployment effect	Grants effect	Net Present value	Interna rate of return
				8-			MAN					
Ω	Australia	2005	-14 426	-36 420	255 043	-104 749	0	0	1 067	6	100 520	9.1%
	Austria	2007	-8 806	-46 643	371 437	-115 267	-45 311	0	9 139	8 973	173 522	10.4%
0	Belgium	2005	-2 133	-30 842	330 069	-146 546	-50 240	0	14 294	862	115 464	11.9%
	Canada	2007	-18 549	-31 926	315 476	-100 857	-7 420	0	17 844	1 103	175 670	11.9%
	Chile		m	m	m	m	m	m	m	m	m	m
	Czech Republic	2007	-2 844	-29 602	366 844	-69 749	-35 043	0	10 843		240 449	17.6%
	Denmark	2007	-2 330	-42 645	220 552	-114 832	-16 666	-5 084	-8 731	25 682	55 946	9.4%
	Estonia		m	m	m	m	m	m	m	m	m	m
	Finland	2007	-1 543	-54 099	312 689	-127 081	-22 749	0	19 569	8 730	135 515	11.1%
	France	2007	-5 202	-44 540	290 891	-65 381	-38 676	0	3 938	3 103	144 133	10.7%
	Germany Greece	2007	-5 387	-51 965	362 747	-142 711	-73 358	0	53 169	5 274	147 769	11.5%
		2007	-3 873	-22 318	m 421 782	-130 630	-59 816	m 0	m 23 754	m 1 199	230 098	20.0%
	Hungary Iceland	2007	-3673 m	-22 310 m	m	-130 030 m	-55 610 m	m	23 734 m	1 199 m	230 036 m	20.0 %
	Ireland	2006	-3 759	-39 460	406 325	-110 604	-10 170	0	8 058	3 556	253 947	13.9%
	Israel	2000	-5 7 5 9 m	-39 400 m	400 323 m	-110 004 m	-10 170 m	m	m	3 330 m	233 347 m	13.37 n
	Italy	2006	-6 977	-48 756	485 212	-92 371	-24 098	0	-4 712	3 668	311 966	11.8%
	Japan	2006	-37 215	-66 750	326 614	-64 523	-36 039	0	20 931	3 000	143 018	7.4%
	Korea	2007	-19 846	-32 639	438 338	-77 162	-19 979	0	12 156		300 868	13.69
	Luxembourg	230,	-13 040 m	-32 033 m	430 330 m	-77 102 m	m	m	m m	m	m	13.07 n
	Mexico		m	m	m	m	m	m	m	m	m	n
	Netherlands	2006	-12 351	-80 305	360 261	-143 665	-35 935	0	8 808	16 115	112 928	7.49
	New Zealand	2007	-9 132	-37 956	193 122	-67 773	-2 465	-94	-2 868	1 623	74 457	8.99
	Norway	2007	-997	-49 289	252 817	-93 575	-19 454	0	-3 407	6 226	92 320	7.39
	Poland	2006	-4 547	-19 838	308 019	-35 830	-79 920	0	45 499	1 742	215 125	21.49
	Portugal	2006	-5 903	-24 146	484 640	-77 432	-28 586	0	25 278		373 851	18.59
	Slovak Republic		m	m	m	m	m	m	m	m	m	n
	Slovenia	2007	-5 895	-20 705	430 880	-97 103	-84 520	0	2 805	200	225 663	19.19
	Spain	2007	-8 074	-31 483	188 521	-49 829	-12 490	0	8 674		95 320	9.09
	Sweden	2007	-4 362	-50 741	204 867	-89 279	-8 060	0	1 417	8 639	62 481	7.19
- 3	Switzerland		m	m	m	m	m	m	m	m	m	n
	Turkey	2005	-1 061	-9 402	106 985	-18 682	-16 424	0	2 761		64 177	19.39
1	United Kingdom	2006	-13 536	-70 193	410 276	-113 696	-24 502	0	17 604	1 701	207 653	11.2%
	United States	2007	-69 907	-39 313	618 300	-180 894	-46 747	0	42 369		323 808	11.3%
	OECD average		-10 746	-40 479	338 508	-97 209	-31 947	-207	13 210	5 467	175 067	12.4%
							WOMA	AN				
٠.	Australia	2005	-14 426	-36 370	219 590	-72 697	0	0	14 976	6	111 078	11.3%
	Austria	2007	-8 806	-46 444	286 848	-80 191	-52 581	0	4 322	8 973	112 121	9.89
	Belgium	2005	-2 133	-29 666	255 955	-102 599	-56 606	0	36 372	862	102 183	14.59
	Canada	2007	-18 549	-32 640	221 289	-57 157	-17 636	0	10 678	1 103	107 088	11.19
í	Chile		m	m	m	m	m	m	m	m	m	n
1	Czech Republic	2007	-2 844	-25 441	221 063	-52 199	-30 754	0	24 704		134 529	16.09
1	Denmark	2007	-2 330	-42 572	134 157	-49 751	-10 916	-4 666	1 950	25 682	51 555	11.49
	Estonia		m	m	m	m	m	m	m	m	m	r
	Finland	2007	-1 543	-53 726	186 268	-66 033	-14 136	-2 625	19 460	8 730	76 394	9.09
	France	2007	-5 202	-42 461	190 775	-39 009	-28 156	0	15 155	3 103	94 206	9.99
	Germany	2007	-5 387	-52 667	243 123	-75 011	-56 960	-306	26 665	5 274	84 732	8.49
	Greece		m	m	m	m	m	m	m	m	m	r
	Hungary	2007	-3 873	-20 252	229 315	-96 706	-42 183	0	18 694	1 199	86 195	14.39
	Iceland		m	m	m	m	m	m	m	m	m	r
	Ireland	2007	-3 759	-39 374	373 640	-114 344	-28 582	0	11 528	3 556	202 664	17.79
	Israel		m	m	m	m	m	m	m	m	m	r
	Italy	2006	-6 977	-45 725	181 641	-62 065	-16 963	0	1 722	3 668	55 301	7.09
	Japan	2007	-37 215	-49 265	231 306	-20 848	-29 117	0	9 951		104 812	7.89
	Korea	2007	-19 846	-33 982	295 653	-31 450	-21 324	-6 002	7 029		190 077	7.89
	Luxembourg		m	m	m	m	m	m	m	m	m	1
	Mexico		m	77.057	m	m	m	m	m 14120	m 16.115	m	6.00
		0000	-12 351	-77 857	249 090	-83 666	-42 675	4 563	14 120	16 115	62 777	6.29
	Netherlands	2006	0.100		124 606	-31 672	-1 645	-4 563 0	2 239 2 591	1 623 6 226	43 560 82 235	7.39
	Netherlands New Zealand	2007	-9 132	-37 896	104605	EE 171					0//30/	9.09
	Netherlands New Zealand Norway	2007 2007	-997	-49 574	194 625	-55 174	-15 461					
	Netherlands New Zealand Norway Poland	2007 2007 2006	-997 -4 547	-49 574 -15 268	182 337	-20 299	-58 532	0	44 285	1 742	129 717	
	Netherlands New Zealand Norway Poland Portugal	2007 2007	-997 -4 547 -5 903	-49 574 -15 268 -20 483	182 337 355 880	-20 299 -92 120	-58 532 -36 253	0	44 285 9 848	1 742	129 717 210 968	18.49
	Netherlands New Zealand Norway Poland Portugal Slovak Republic	2007 2007 2006 2006	-997 -4 547 -5 903 m	-49 574 -15 268 -20 483 m	182 337 355 880 m	-20 299 -92 120 m	-58 532 -36 253 m	0 0 m	44 285 9 848 m	1 742 m	129 717 210 968 m	18.49
	Netherlands New Zealand Norway Poland Portugal Slovak Republic Slovenia	2007 2007 2006 2006 2007	-997 -4 547 -5 903 m -5 895	-49 574 -15 268 -20 483 m -20 090	182 337 355 880 m 319 493	-20 299 -92 120 m -74 631	-58 532 -36 253 m -74 593	0 0 m 0	44 285 9 848 m 22 535	1 742	129 717 210 968 m 167 020	18.49 17.79
	Netherlands New Zealand Norway Poland Portugal Slovak Republic Slovenia Spain	2007 2007 2006 2006 2007	-997 -4 547 -5 903 m -5 895 -8 074	-49 574 -15 268 -20 483 m -20 090 -29 446	182 337 355 880 m 319 493 191 188	-20 299 -92 120 m -74 631 -50 145	-58 532 -36 253 m -74 593 -13 510	0 0 m 0	44 285 9 848 m 22 535 22 002	1 742 m 200	129 717 210 968 m 167 020 112 016	18.4° 17.7° 11.3°
	Netherlands New Zealand Norway Poland Portugal Slovak Republic Slovenia Spain Sweden	2007 2007 2006 2006 2007	-997 -4 547 -5 903 m -5 895 -8 074 -4 362	-49 574 -15 268 -20 483 m -20 090 -29 446 -50 462	182 337 355 880 m 319 493 191 188 113 844	-20 299 -92 120 m -74 631 -50 145 -33 618	-58 532 -36 253 m -74 593 -13 510 -8 648	0 0 m 0 0 -107	44 285 9 848 m 22 535 22 002 9 969	1 742 m 200 8 639	129 717 210 968 m 167 020 112 016 35 256	18.49 17.79 11.39 5.89
	Netherlands New Zealand Norway Poland Portugal Slovak Republic Slovenia Spain Sweden Switzerland	2007 2007 2006 2006 2007 2007 2007	-997 -4 547 -5 903 m -5 895 -8 074 -4 362 m	-49 574 -15 268 -20 483 m -20 090 -29 446 -50 462 m	182 337 355 880 m 319 493 191 188 113 844 m	-20 299 -92 120 m -74 631 -50 145 -33 618 m	-58 532 -36 253 m -74 593 -13 510 -8 648 m	0 0 m 0 0 -107 m	44 285 9 848 m 22 535 22 002 9 969 m	1 742 m 200	129 717 210 968 m 167 020 112 016 35 256 m	20.49 18.49 r 17.79 11.39 5.89
	Netherlands New Zealand Norway Poland Portugal Slovak Republic Slovenia Spain Sweden Switzerland Turkey	2007 2007 2006 2006 2007 2007 2007 2005	-997 -4 547 -5 903 m -5 895 -8 074 -4 362 m -1 061	-49 574 -15 268 -20 483 m -20 090 -29 446 -50 462 m -8 185	182 337 355 880 m 319 493 191 188 113 844 m 116 530	-20 299 -92 120 m -74 631 -50 145 -33 618 m -21 267	-58 532 -36 253 m -74 593 -13 510 -8 648 m -19 627	0 0 m 0 0 -107 m 0	44 285 9 848 m 22 535 22 002 9 969 m 14 075	1 742 m 200 8 639 m	129 717 210 968 m 167 020 112 016 35 256 m 80 466	18.49 17.79 11.39 5.89 r 19.29
	Netherlands New Zealand Norway Poland Portugal Slovak Republic Slovenia Spain Sweden Switzerland Turkey United Kingdom	2007 2007 2006 2006 2007 2007 2007 2005 2006	-997 -4 547 -5 903 m -5 895 -8 074 -4 362 m -1 061 -13 536	-49 574 -15 268 -20 483 m -20 090 -29 446 -50 462 m -8 185 -68 853	182 337 355 880 m 319 493 191 188 113 844 m 116 530 331 461	-20 299 -92 120 m -74 631 -50 145 -33 618 m -21 267 -76 300	-58 532 -36 253 m -74 593 -13 510 -8 648 m -19 627 -37 754	0 0 m 0 0 -107 m 0 -343	44 285 9 848 m 22 535 22 002 9 969 m 14 075 19 056	1 742 m 200 8 639	129 717 210 968 m 167 020 112 016 35 256 m 80 466 155 432	18.49 17.79 11.39 5.89 19.29 8.89
	Netherlands New Zealand Norway Poland Portugal Slovak Republic Slovenia Spain Sweden Switzerland Turkey	2007 2007 2006 2006 2007 2007 2007 2005	-997 -4 547 -5 903 m -5 895 -8 074 -4 362 m -1 061	-49 574 -15 268 -20 483 m -20 090 -29 446 -50 462 m -8 185	182 337 355 880 m 319 493 191 188 113 844 m 116 530	-20 299 -92 120 m -74 631 -50 145 -33 618 m -21 267	-58 532 -36 253 m -74 593 -13 510 -8 648 m -19 627	0 0 m 0 0 -107 m 0	44 285 9 848 m 22 535 22 002 9 969 m 14 075	1 742 m 200 8 639 m	129 717 210 968 m 167 020 112 016 35 256 m 80 466	18.4 17.7 11.3 5.8 19.2

Source: OECD. See Annex 3 for notes (www.oecd.org/edu/eag2011).

Please refer to the Reader's Guide for information concerning the symbols replacing missing data.

Table A9.4. Public net present value and internal rate of return for an individual obtaining tertiary education as part of initial education, in equivalent USD (2007 or latest available year)

	Year	Direct cost	Foregone taxes on earnings	Income tax effect	Social contribution effect	Transfers effect	Unemployment effect	Grants effect	Net Present value	Intern rate of retu
						MAN				
Australia	2005	-13 209	-7 002	104 353	0	0	396	-6	84 532	12.4
Austria	2007	-51 546	-10 354	113 222	43 918	0	3 438	-8 973	89 705	6.8
Belgium	2005	-20 552	-8 132	142 138	48 240	0	6 407	-862	167 241	14.9
Canada	2007	-24 166	-3 234	97 358	6 425	0	4 494	-1 103	79 774	10.5
Chile		m	m	m	m	m	m	m	m	1
Czech Republic	2007	-14 749	-8 735	68 078	33 885	0	2 828		81 307	12.9
Denmark	2007	-64 272	-18 007	117 724	17 609	5 084	-3 835	-25 682	28 621	4.0
Estonia		m	m	m	m	m	m	m	m	
Finland	2007	-34 358	-6 565	121 751	21 420	0	6 660	-8 730	100 177	8.9
France	2007	-28 412	-8 841	64 930	38 135	0	992	-3 103	63 701	7.5
Germany	2007	-29 854	-12 292	130 173	62 855	0	23 041	-5 274	168 649	12.6
Greece		m	m	m	m	m	m	m	m	
Hungary	2007	-13 612	-8 763	124 793	56 338	0	9 315	-1 199	166 872	21.8
Iceland		m	m	m	m	m	m	m	m	
Ireland	2006	-21 467	-9 833	109 079	9 816	0	1 878	-3 556	85 917	10.2
Israel		m	m	m	m	m	m	m	m	
Italy	2006	-18 847	-11 023	93 319	24 717	0	-1 567	-3 668	82 932	10.0
Japan	2007	-17 897	-15 254	62 285	33 612	0	4 665		67 411	8.4
Korea	2007	-5 185	-2 923	76 050	19 188	0	1 903		89 034	17.9
Luxembourg		m	m	m	m	m	m	m	m	
Mexico		m	m	m	m	m	m	m	m	
Netherlands	2006	-34 104	-34 351	141 871	34 115	0	3 613	-16 115	95 030	6.5
New Zealand	2007	-17 470	-4 756	68 519	2 502	94	-782	-1 623	46 482	9.:
Norway	2007	-31 963	-13 333	94 347	19 719	0	-1 036	-6 226	61 507	6.
Poland	2006	-10 791	-9 092	32 030	69 015	0	14 706	-1 742	94 125	14.
Portugal	2006	-11 848	-4 706	73 993	27 167	0	4 858		89 464	18.
Slovak Republic		m	m	m	m	m	m	m	m	
Slovenia	2007	-19 911	-5 848	96 667	83 921	0	1 035	-200	155 664	16.
Spain	2007	-30 308	-2 429	48 395	11 942	0	1 982		29 582	5.8
Sweden	2007	-36 490	-14 668	88 854	7 979	0	507	-8 639	37 542	5.3
Switzerland		m	m	m	m	m	m	m	m	
Turkey	2005	-9 567	-3 814	18 209	16 010	0	886		21 724	9.:
United Kingdom	2006	-24 919	-16 257	110 230	23 095	0	4 873	-1 701	95 322	10.4
United States	2007	-32 281	-1 776	171 718	43 611	0	12 312		193 584	15.
Officed States	2007	-32 201	-1 //0	171710	10 011	0	12 012			
OECD average	2007	-32 281	-9 680	94 803	30 209	207	4 143	-5 467	91 036	11.3
	2007				30 209			-5 467		
OECD average	2007				30 209	207		-5 4 67 -6		11.
		-24 711	-9 680	94 803	30 209	207 WOMAN	4 143		91 036	11.
OECD average Australia	2005	-24 711	-9 680 -6 993	94 803	30 209	207 WOMAN 0	3 366	-6	91 036	11 12 6
OECD average Australia Austria	2005 2007	-24 711 -13 209 -51 546	-9 680 -6 993 -10 309	94 803 69 331 79 460	30 209 0 51 803	207 WOMAN 0 0	4 143 3 366 1 509	-6 -8 973	91 036 52 490 61 943	11.1 12.1 6.1 17.1
OECD average Australia Austria Belgium	2005 2007 2005	-24 711 -13 209 -51 546 -20 552	-9 680 -6 993 -10 309 -7 822	94 803 69 331 79 460 93 938	30 209 0 51 803 51 660	207 WOMAN 0 0 0	3 366 1 509 13 607	-6 -8 973 -862	91 036 52 490 61 943 129 970	11.1 12.1 6.1 17.1
OECD average Australia Austria Belgium Canada Chile	2005 2007 2005	-24 711 -13 209 -51 546 -20 552 -24 166	-9 680 -6 993 -10 309 -7 822 -3 307	94 803 69 331 79 460 93 938 55 608	0 51 803 51 660 16 881	207 WOMAN 0 0 0 0 0	3 366 1 509 13 607 2 304	-6 -8 973 -862 -1 103	91 036 52 490 61 943 129 970 46 218	11.: 12.: 6.: 17.: 9.:
OECD average Australia Austria Belgium Canada Chile Czech Republic	2005 2007 2005 2007 2007	-24 711 -13 209 -51 546 -20 552 -24 166 m -14 749	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011	94 803 69 331 79 460 93 938 55 608 m 48 602	0 51 803 51 660 16 881 m 27 676	207 WOMAN 0 0 0 0 m 0	3 366 1 509 13 607 2 304 m 6 674	-6 -8 973 -862 -1 103 m	91 036 52 490 61 943 129 970 46 218 m 61 193	11.: 12.: 6.: 17.: 9.:
OECD average Australia Austria Belgium Canada Chile Czech Republic Denmark	2005 2007 2005 2007	-24 711 -13 209 -51 546 -20 552 -24 166 m -14 749 -64 272	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011 -17 976	94 803 69 331 79 460 93 938 55 608 m 48 602 49 161	0 51 803 51 660 16 881 m 27 676 10 708	207 WOMAN 0 0 0 0 m 0 4 666	3 366 1 509 13 607 2 304 m 6 674 798	-6 -8 973 -862 -1 103 m	91 036 52 490 61 943 129 970 46 218 m 61 193 -42 598	11. 12. 6. 17. 9.
OECD average Australia Austria Belgium Canada Chile Czech Republic Denmark Estonia	2005 2007 2005 2007 2007	-24 711 -13 209 -51 546 -20 552 -24 166 m -14 749	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011	94 803 69 331 79 460 93 938 55 608 m 48 602	0 51 803 51 660 16 881 m 27 676	207 WOMAN 0 0 0 0 m 0	3 366 1 509 13 607 2 304 m 6 674	-6 -8 973 -862 -1 103 m	91 036 52 490 61 943 129 970 46 218 m 61 193	11. 12. 6. 17. 9. 11.
Australia Austria Belgium Canada Chile Czech Republic Denmark Estonia Finland	2005 2007 2005 2007 2007 2007	-24 711 -13 209 -51 546 -20 552 -24 166 m -14 749 -64 272 m	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011 -17 976 m	94 803 69 331 79 460 93 938 55 608 m 48 602 49 161 m	0 51 803 51 660 16 881 m 27 676 10 708 m	207 WOMAN 0 0 0 0 m 0 4 666 m	4 143 3 366 1 509 13 607 2 304 m 6 674 798 m 5 545	-6 -8 973 -862 -1 103 m -25 682	91 036 52 490 61 943 129 970 46 218 m 61 193 -42 598 m	11. 12. 6. 17. 9. 11. 0.
OECD average Australia Austria Belgium Canada Chile Czech Republic Denmark	2005 2007 2005 2007 2007 2007 2007	-13 209 -51 546 -20 552 -24 166 m -14 749 -64 272 m -34 358	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011 -17 976 m -6 520	94 803 69 331 79 460 93 938 55 608 m 48 602 49 161 m 61 806	0 51 803 51 660 16 881 m 27 676 10 708 m 12 819	207 WOMAN 0 0 0 0 0 m 0 4 666 m 2 625	4 143 3 366 1 509 13 607 2 304 m 6 674 798 m	-6 -8 973 -862 -1 103 m -25 682 m -8 730	52 490 61 943 129 970 46 218 m 61 193 -42 598 m 33 185	11. 12. 6. 17. 9. 11. 0.
Australia Austria Belgium Canada Chile Czech Republic Denmark Estonia Finland France	2005 2007 2005 2007 2007 2007 2007 2007	-13 209 -51 546 -20 552 -24 166 m -14 749 -64 272 m -34 358 -28 412	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011 -17 976 m -6 520 -8 428	94 803 69 331 79 460 93 938 55 608 m 48 602 49 161 m 61 806 37 259	0 51 803 51 660 16 881 m 27 676 10 708 m 12 819 26 098	207 WOMAN 0 0 0 0 m 0 4 666 m 2 625 0	3 366 1 509 13 607 2 304 m 6 674 798 m 5 545 3 808	-6 -8 973 -862 -1 103 m -25 682 m -8 730 -3 103	91 036 52 490 61 943 129 970 46 218 m 61 193 -42 598 m 33 185 27 220	11. 12. 6. 17. 9. 11. 0.
Australia Austria Belgium Canada Chile Czech Republic Denmark Estonia Finland France Germany Greece	2005 2007 2005 2007 2007 2007 2007 2007	-13 209 -51 546 -20 552 -24 166 m -14 749 -64 272 m -34 358 -28 412 -29 854	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011 -17 976 m -6 520 -8 428 -12 458	94 803 69 331 79 460 93 938 55 608 m 48 602 49 161 m 61 806 37 259 70 549	0 51 803 51 660 16 881 m 27 676 10 708 m 12 819 26 098 51 359	207 WOMAN 0 0 0 0 m 0 4666 m 2625 0 306	3 366 1 509 13 607 2 304 m 6 674 798 m 5 545 3 808 10 063	-6 -8 973 -862 -1 103 m -25 682 m -8 730 -3 103 -5 274	91 036 52 490 61 943 129 970 46 218 m 61 193 -42 598 m 33 185 27 220 84 692	11. 12. 6. 17. 9. 11. 0.
Australia Australia Austria Belgium Canada Chile Czech Republic Denmark Estonia Finland France Germany Greece Hungary	2005 2007 2005 2007 2007 2007 2007 2007	-13 209 -51 546 -20 552 -24 166 m -14 749 -64 272 m -34 358 -28 412 -29 854 m	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011 -17 976 m -6 520 -8 428 -12 458 m	94 803 69 331 79 460 93 938 55 608 m 48 602 49 161 m 61 806 37 259 70 549 m	30 209 0 51 803 51 660 16 881 m 27 676 10 708 m 12 819 26 098 51 359 m	207 WOMAN 0 0 0 0 0 0 4666 m 2625 0 306 m	4 143 3 366 1 509 13 607 2 304 m 6 674 798 m 5 5 45 3 808 10 063 m	-6 -8 973 -862 -1 103 m -25 682 m -8 730 -3 103 -5 274 m	52 490 61 943 129 970 46 218 m 61 193 -42 598 m 33 185 27 220 84 692 m	11. 12. 6. 17. 9. 11. 0.
Australia Australia Belgium Canada Chile Czech Republic Denmark Estonia Finland France Germany Greece Hungary Iceland	2005 2007 2005 2007 2007 2007 2007 2007	-13 209 -51 546 -20 552 -24 166 m -14 749 -64 272 m -34 358 -28 412 -29 854 m -13 612	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011 -17 976 m -6 520 -8 428 -12 458 m -7 539	94 803 69 331 79 460 93 938 55 608 m 48 602 49 161 m 61 806 37 259 70 549 m 91 824	0 51 803 51 660 16 881 m 27 676 10 708 m 12 819 26 098 51 359 m 39 014	207 WOMAN 0 0 0 0 0 m 0 4666 m 2625 0 306 m 0	3 366 1 509 13 607 2 304 m 6 674 798 m 5 545 3 808 10 063 m 8 052	-6 -8 973 -862 -1 103 m -25 682 m -8 730 -3 103 -5 274 m -1 199	52 490 61 943 129 970 46 218 m 61 193 -42 598 m 33 185 27 220 84 692 m 116 539	11. 12. 6. 17. 9. 11. 0. 5. 5. 8.
Australia Austria Belgium Canada Chile Czech Republic Denmark Estonia Finland France Germany Greece Hungary Iceland Ireland	2005 2007 2005 2007 2007 2007 2007 2007	-13 209 -51 546 -20 552 -24 166 m -14 749 -64 272 m -34 358 -28 412 -29 854 m -13 612 m	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011 -17 976 m -6 520 -8 428 -12 458 m -7 539 m	94 803 69 331 79 460 93 938 55 608 m 48 602 49 161 m 61 806 37 259 70 549 m 91 824 m	30 209 0 51 803 51 660 16 881 m 27 676 10 708 m 12 819 26 098 51 359 m 39 014 m	207 WOMAN 0 0 0 0 m 0 4 666 m 2 625 0 306 m 0 m	4 143 3 366 1 509 13 607 2 304 m 6 674 798 m 5 545 3 808 10 063 m 8 052 m	-6 -8 973 -862 -1 103 m -25 682 m -8 730 -3 103 -5 274 m -1 199 m	52 490 61 943 129 970 46 218 m 61 193 -42 598 m 33 185 27 220 84 692 m 116 539 m	11. 12. 6. 17. 9. 11. 0. 5. 5. 8.
Australia Austria Belgium Canada Chile Czech Republic Denmark Estonia Finland France Germany Greece Hungary Iceland Ireland Israel	2005 2007 2005 2007 2007 2007 2007 2007	-13 209 -51 546 -20 552 -24 166 m -14 749 -64 272 m -34 358 -28 412 -29 854 m -13 612 m -21 467	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011 -17 976 m -6 520 -8 428 -12 458 m -7 539 m -9 812	94 803 69 331 79 460 93 938 55 608 m 48 602 49 161 m 61 806 37 259 70 549 m 91 824 m 112 497	30 209 0 51 803 51 660 16 881 m 27 676 10 708 m 12 819 26 098 51 359 m 39 014 m 27 972	207 WOMAN 0 0 0 0 m 0 4 666 m 2 625 0 306 m 0 0 m	4 143 3 366 1 509 13 607 2 304 m 6 674 798 m 5 545 3 808 10 063 m 8 052 m 2 457	-6 -8 973 -862 -1 103 m -25 682 m -8 730 -3 103 -5 274 m -1 199 m -3 556	91 036 52 490 61 943 129 970 46 218 m 61 193 -42 598 m 33 185 27 220 84 692 m 116 539 m 108 091	11. 12. 6. 17. 9. 11. 0. 5. 8. 18.
Australia Austria Belgium Canada Chile Czech Republic Denmark Estonia Finland France Germany Greece Hungary Iceland Ireland Israel Italy	2005 2007 2005 2007 2007 2007 2007 2007	-13 209 -51 546 -20 552 -24 166 m -14 749 -64 272 m -34 358 -28 412 -29 854 m -13 612 m -21 467 m	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011 -17 976 m -6 520 -8 428 -12 458 m -7 539 m -9 812 m	94 803 69 331 79 460 93 938 55 608 m 48 602 49 161 m 61 806 37 259 70 549 m 91 824 m 112 497 m	30 209 0 51 803 51 660 16 881 m 27 676 10 708 m 12 819 26 098 51 359 m 39 014 m 27 972 m	207 WOMAN 0 0 0 0 0 0 4666 m 2625 0 306 m 0 m 0	4 143 3 366 1 509 13 607 2 304 m 6 674 798 m 5 545 3 808 10 063 m 8 052 m 2 457 m	-6 -8 973 -862 -1 103 m -25 682 m -8 730 -3 103 -5 274 m -1 199 m -3 556 m	91 036 52 490 61 943 129 970 46 218 m 61 193 -42 598 m 33 185 27 220 84 692 m 116 539 m 108 091 m	11. 12. 13. 14. 17. 9. 11. 0. 5. 5. 8. 18. 12.
Australia Austria Belgium Canada Chile Czech Republic Denmark Estonia Finland France Germany Greece Hungary Iceland Ireland Israel Israel	2005 2007 2005 2007 2007 2007 2007 2007	-24 711 -13 209 -51 546 -20 552 -24 166 m -14 749 -64 272 m -34 358 -28 412 -29 854 m -13 612 m -21 467 m -18 847	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011 -17 976 m -6 520 -8 428 -12 458 m -7 539 m -9 812 m -10 338	94 803 69 331 79 460 93 938 55 608 m 48 602 49 161 m 61 806 37 259 70 549 m 91 824 m 112 497 m 61 193	30 209 0 51 803 51 660 16 881 m 27 676 10 708 m 12 819 26 098 51 359 m 39 014 m 27 972 m	207 WOMAN 0 0 0 0 0 m 0 4666 m 2625 0 306 m 0 m 0 m	4 143 3 366 1 509 13 607 2 304 m 6 674 798 m 5 545 3 808 10 063 m 8 052 m 2 457 m 1 033	-6 -8 973 -862 -1 103 m -25 682 m -8 730 -3 103 -5 274 m -1 199 m -3 556 m	52 490 61 943 129 970 46 218 m 61 193 -42 598 m 33 185 27 220 84 692 m 116 539 m 108 091 m	11. 12. 16. 17. 9. 11. 0. 5. 5. 8. 18. 12.
Australia Austria Belgium Canada Chile Czech Republic Denmark Estonia Finland France Germany Greece Hungary Iceland Ireland Israel Italy Japan Korea	2005 2007 2007 2007 2007 2007 2007 2007	-13 209 -51 546 -20 552 -24 166 m -14 749 -64 272 m -34 358 -28 412 -29 854 m -13 612 m -21 467 m -18 847 -17 897	-9 680 -6 993 -10 309 -7 822 -3 307 m -7 011 -17 976 m -6 520 -8 428 -12 458 m -7 539 m -9 812 m -10 338 -10 654	94 803 69 331 79 460 93 938 55 608 m 48 602 49 161 m 61 806 37 259 70 549 m 91 824 m 112 497 m 61 193 20 218	30 209 0 51 803 51 660 16 881 m 27 676 10 708 m 12 819 26 098 51 359 m 39 014 m 27 972 m 16 803 27 924	207 WOMAN 0 0 0 0 0 m 0 4 666 m 2 625 0 306 m 0 m 0 0 m	4 143 3 366 1 509 13 607 2 304 m 6 674 798 m 5 545 3 808 10 063 m 8 052 m 2 457 m 1 033 1 822	-6 -8 973 -862 -1 103 m -25 682 m -8 730 -3 103 -5 274 m -1 199 m -3 556 m	52 490 61 943 129 970 46 218 m 61 193 -42 598 m 33 185 27 220 84 692 m 116 539 m 108 091 m 46 176 21 414	11. 12. 16. 17. 9. 11. 0. 5. 5. 8. 18. 12.
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