



AN ROINN | DEPARTMENT OF
OIDEACHAIS | EDUCATION
AGUS SCILEANNA | AND SKILLS

EDUCATION AT A GLANCE 2014

OECD INDICATORS

A Country Profile for Ireland

STATISTICS SECTION
September 2014

Introduction

The latest edition of *Education at a Glance (EAG)* was published by the OECD on Tuesday 9th September 2014. The reference year for data in this publication is the school year 2011/2012 (or the financial year 2011 or the calendar year 2012 in the case of labour market status). EAG has been published by OECD on a yearly basis since 1992. Many of the indicators form a stable series for which Ireland's position can be ranked in relation to up to 33 other OECD countries.

EAG is organised into four chapters:

- A. The Output of Educational Institutions and the Impact of Learning
- B. Financial and Human Resources Invested in Education
- C. Access to Education, Participation and Progression
- D. The Learning Environment and Organisation of Schools

This document highlights some key indicators – following the structure of EAG according to the above four chapters. The main focus is on how Ireland compares with the ‘OECD average’ (see Technical Note 1, page 24). An ‘EU21’ average is also shown for some indicators in respect of those 21 countries that are member states of both the European Union and the OECD (refer to Technical Note 2, page 24). Levels of education are classified in EAG by a system referred to as ISCED (see Technical Note 3, page 24).

Most of the data presented in EAG are based on detailed information provided through the ‘UOE Data Collection’ (UNESCO, OECD and Eurostat) supplied each year by all OECD countries and, in the case of Ireland, the Department of Education and Skills¹. Some indicators are based on other sources such as the Quarterly National Household Survey, the EU Survey on Income and Living Conditions, the OECD-INES Network for the Collection and Adjudication of System-level Descriptive Information on Educational Structures, Policies and Practices (NESLI) and the OECD-INES Network on Labour Market, Economic and Social Outcomes of Learning (LSO).

In regard to expenditure, data are provided in relation to nearly all areas of public provision of education and training, following international guidelines. Hence, data on expenditure for education, training and educational research by FÁS, Teagasc, Fáilte Ireland, Forfás and various other public bodies are included along with voted expenditure by the Department of Education and Skills in 2011. Payments of child benefit by the Department of Social Protection conditional on student status in 2011 are included.

The entire pdf copy of Education at a Glance Indicators 2014, as well as the detailed data tables in Excel format, can be downloaded here: <http://www.oecd.org/edu/Education-at-a-Glance-2014.pdf>
<http://www.oecd.org/edu/education-at-a-glance-2014-indicators-by-chapter.htm>
If you wish to consult or download data from last year's publication – EAG2013 – go to:
<http://www.oecd.org/edu/eag2013>

¹ However, data drawn from the Quarterly National Household Survey or the European Survey on Income and Living Conditions together with data on GDP and population have been drawn directly from Eurostat or the Central Statistics Office. Data on enrolment, graduates, entrants, expenditure and numbers of teachers have been supplied by the Statistics Section of the Department while data on statutory teacher salaries, working hours and surveys of school accountability have been provided by the Inspectorate following consultation with relevant sections of the Department. Data from the Programme of International Student Assessment and the International Civic and Citizenship Study were gathered by the Educational Research Centre in Ireland but sourced directly from the OECD.

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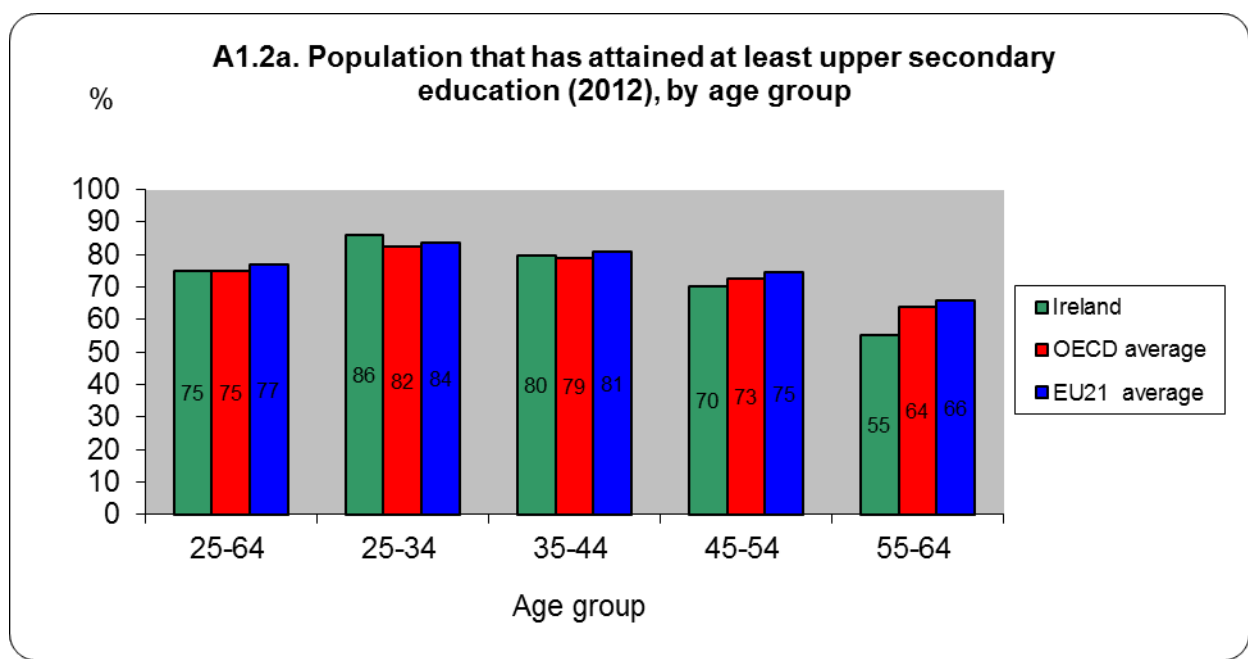
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1 The Output of Educational Institutions and the Impact of Learning

1.1 Educational attainment in the adult population (how many people in the adult population have completed a particular level of education).

1.1.1 Upper-secondary educational attainment (A1)

In 2012, 55% of persons aged between 55 and 64 had completed upper-secondary or higher (Leaving Certificate or equivalent or higher). The corresponding figure was 64% on average across the OECD. However, 86% of 25-34 year olds here had completed upper-secondary education compared to 82% across the OECD. So, the gap in attainment levels in Ireland² between 55-64 year olds and 25-34 year olds was very large at 31 percentage points – and was fifth highest (behind Korea, Chile, Portugal and Greece) of any OECD country in 2012 (A1.2a; P43³).



1.1.2 Educational attainment - other levels of education (A1)

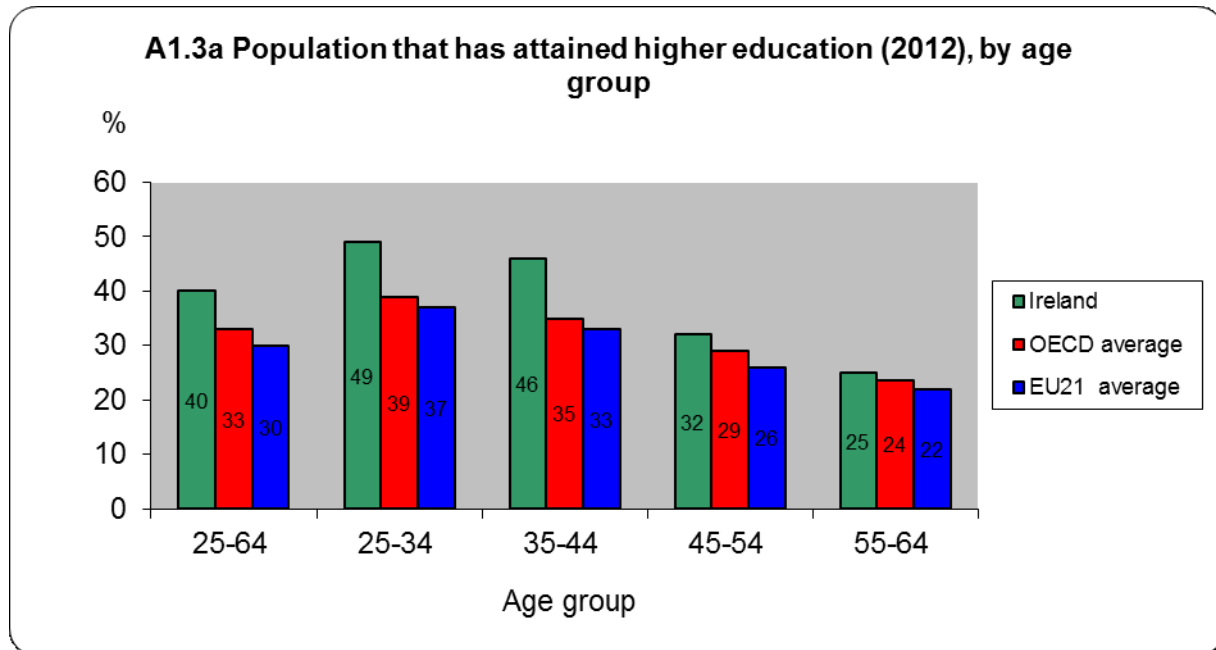
Taking the adult population as a whole (aged 25-64), the rate of tertiary attainment (A1.4; P45) in Ireland was above the OECD average (40% compared to 33%). However, the proportion of adults

² These figures also include migrants who have completed their education outside Ireland. The overall impact on educational attainment arising from inward migration is limited; however, it does have the effect of raising levels of attainment especially among the young age-groups where recent migrants tend to have a higher level of educational attainment.

³ The exact cross-reference to the information in EAG is given throughout this document in the following way (example): A1.2a; P43 = Indicator A1.2a on Page 43 of the published EAG 2014.

without a Leaving Certificate or above was 25% and was slightly more than the OECD average proportion, at 24%. Hence, there is a greater disparity in educational attainment, here, with a relatively better educated youth cohort and a relatively poorly educated cohort over the age of 50. On average, the proportion of adults with tertiary attainment in Ireland increased by 5.2% per annum since 2000. This compares to 3.2% per annum across the OECD in tertiary attainment among the adult population between 2000 and 2012. (A1.4a; P45).

Attainment at higher education level (whether university or other higher education) was particularly high among 25-34 year olds in Ireland where, at 49%, Ireland was above the OECD average of 39% (or EU21 at 37%) – refer to A1.3a; P44.



1.1.3 Educational Attainment and Skill Levels

Education at a Glance 2014 also includes some results and analyses from PIAAC. PIAAC is designed to collect information about adult skills in the traditional domains of literacy and numeracy, and in the new area of problem solving skills in technology-rich environments. The survey was carried out in Ireland between August 2011 and March 2012 by the Central Statistics Office on behalf of the Department of Education and Skills. The national report for PIAAC is located [here](#).

In general across the OECD, adults with third level education were more likely to have scored higher in the literacy domain of PIAAC, and this was also the case in Ireland, with 19% of those with tertiary education scoring at levels 4 or 5 in PIAAC literacy, compared to 1% of those with below upper secondary education. (Table A1.6aL; P48).

Interestingly, in Ireland of those with upper secondary level attainment, there was little difference in the literacy skill levels of those with a general and those with a vocational qualification, with a similar proportion of the population scoring at each level. (Table A1.8L)

1.2 Upper-secondary and tertiary graduation rates (A2)

1.2.1 Upper-secondary rates

Completion of upper-secondary level education (or equivalent) is an important education milestone and benchmark indicator internationally. Even prior to the recent economic downturn, retention to Leaving Certificate had been increasing and many adults are availing of continuing education opportunities to top up their initial education to Leaving Certificate level or higher.

There are, broadly, three ways of measuring completion at this level: (i) track individual pupils through secondary level to completion, (ii) examine the attainment of various age-cohorts at one point in time or (iii) sum the number of ‘graduates’ (e.g. Leaving Certificate candidates) by single year of age in a given year (2012) as a percentage of each single year of age cohort (18 years of age). Using this last measure (*A2.1a; P67*), the OECD-average graduation rate was 84% and the average age of graduation was 19 (or 86% for EU21 with an average age of graduation of 20). The corresponding figure for Ireland in 2012 was 93% and the average age at graduation was 19. In Ireland the rate was 95% and 92% for females and males, respectively.

The numbers of upper-secondary graduates also include a range of education pathways, including FÁS and other FETAC awards. As for the vast majority of OECD countries, there is a much higher graduation rate among females than among males.

A comparison, over time, of upper Secondary graduation rates (*A2.2a; P69*) shows an increase followed by a stabilisation of rates of completion in many countries including Ireland

1.2.2 Tertiary completion rates (A3)

As with upper-secondary education, it is possible to contrast countries in terms of the ratio of graduates to the typical age cohort. The data shown in *A3.1a; P81* distinguishes ‘Tertiary-type B’ (Higher Certificate/Ordinary Bachelor Degree) and ‘Tertiary-type A’ qualifications (Honours Bachelor Degree). Ireland was well above the international averages in tertiary graduation with a particularly strong lead in terms of Tertiary-type B (or ISCED level 5B) where it was the fourth highest in the OECD in 2012 at 23% - well above the OECD average of 11%. The graduation rate of 2.0% at PhD level here was above the OECD average of 1.6%. The OECD has included an estimate of graduation rates when the impact of international/foreign students was excluded (*A3.1a; P81*). A number of countries – especially English-speaking – stand out as having large numbers of foreign graduates from postgraduate programmes including PhD (UK, Australia, New Zealand, the US and Switzerland). Irish data show that the graduation rate for postgraduates was 1.6% when international students were excluded). *See table following*

A3.1/A3.2: Tertiary graduation rates (2000 and 2012)

Percentage of higher education graduates to the population at the typical age of graduation

	Higher Certificate/Ordinary Bachelor Degree (Type B)		Honours Bachelor Degree (Type A)		PhD
	2000	2012	2000	2012	2012
Ireland	15	23	30	46	2.0
OECD average	9	11	28	39	1.6
EU21 average	7	8	27	37	1.8
Ranking (OECD)	3 rd of 17	4 th of 23	11 th of 23	7 th of 28	12 th of 34

1.3 Educational and Skill attainment and the labour market (A5)

EAG2014 provides data on the educational attainment of different groups in the labour force using data for 2012 – the fifth year since the economic downturn. It is a well-recognised finding that, in all countries for which data are available, the rate of participation in the labour force, occupations held and earnings from employment are all strongly related to educational attainment. Across the OECD differences emerge in labour market profiles between men and women; these differences are sharper in those countries where, traditionally, women work on a part-time basis or withdraw for a period from the labour force.

Calculated as the number employed as a percentage of the total population group, employment rates were higher for men than for women in every country for all levels of educational completion combined. The 2012 OECD averages were 80% for men and 65% for women (*A5.1b; P115*). The corresponding rates in Ireland were 71% and 61% for men and women respectively. Employment rates vary sharply by educational attainment. Table A5.1b shows that for those women who have left school before Junior/Intermediate Certificate in Ireland (taking the whole population aged 25-64), only 25% were in employment compared to 38% on average across the OECD. These patterns suggest a pervasiveness of disincentives in relation to employment for women with lower levels of education (and correspondingly lower levels of pay from work if they were employed in the labour market). The corresponding rates at university degree level and higher (ISCED5A and ISCED 6) were 80% (Ireland) and also 80% (OECD average).

In 2012 the unemployment rate for males in Ireland at 16.0% was more than double the OECD average of 7.0% whereas the unemployment rate for females at 9.4% was above the OECD average of 7.2% (*A5.2b; P118*).

The economic downturn has impacted particularly sharply on adults with below upper-secondary attainment. Rates of unemployment in Ireland rose from 8.2% in 2008 to 23.3% in 2012 for adults with below upper-secondary attainment and from 3.0% to 7.1% for tertiary graduates (*A5.4a; P122*).

New data included in this chapter from PIAAC shows a similar link for skill level and employment outcomes as for educational attainment, with evidence that within attainment levels, as skill levels increase so do positive labour market outcomes. For example Table A5.7a (L);P127 shows that 86% of tertiary graduates with PIAAC literacy skill levels 4/5 were in employment, compared to 72% of tertiary graduates with literacy skill levels 0/1, and 78% of tertiary graduates with level 2 literacy skills.

Full time workers also tended to have scored better in the PIAAC literacy domain, with 13% of all full time employed people scoring at Level 4/5, compared to 7% of all part time employed people. (Table A5.10a(L):P131)

In relation to gender, across all levels of education the gender gap in employment rates narrowed as skill levels increased. For those with literacy scores at Levels 4/5 in PIAAC, there was just a 4% gap in employment rates between men and women across all education levels (85% for men and 81% for women) compared to a 14% gender gap in employment rates for those with literacy scores at Levels 0 and 1 (57% for men and 43% for women). (Table 5.7b(L) Web only).

1.4 Individual labour market returns to education (A6, A7)

Education may be viewed as an investment in future earnings from employment with a ‘premium’ or additional income arising from higher education and the associated skills and productivity of the person. Using 2012 data (the Irish data refers to 2011) and benchmarking on upper-secondary and post-secondary non-tertiary education (ISCED 3 and 4 combined) and comparing for the whole population aged 25-64, tertiary graduates in employment in Ireland earned, on average, 75% more than the benchmark (*A6.2a; P142*). The corresponding OECD average was 59%. In Ireland, individuals with less than upper-secondary completion and in employment earned on average 16% less than those at the benchmark. The OECD average was 24% (*A6.2a; P142*).

Looked at from another angle - comparing male and female earnings for a given level of education - there was a large pay-gap between men and women in the case of low levels of educational completion. For women who left school before the Leaving Certificate and were in employment in 2011, earnings were, on average, only 56% of earnings of men who left school before the Leaving Certificate (*A6.3b; P145*).

New data included from PIAAC also shows that within education levels, higher skill levels attracted an earnings premium, with average monthly earnings for the higher skilled substantially higher. For example, across those with upper secondary level attainment the average monthly earnings for those with literacy skill levels 4/5 was 58% higher than those with skill levels 0/1. Interestingly also, in some cases those with higher skill levels often commanded higher wages on average even where they had a lower education level, for example those with PIAAC Level 3 literacy skills and below lower secondary education attainment had higher average earnings than those with upper secondary educational attainment and PIAAC Level 0/1 literacy skills, and the same average earnings (statistically) as those with upper secondary educational attainment and PIAAC Level 2 literacy skills, suggesting that higher skill levels can compensate to some extent for lower educational attainment when it comes to employment earnings. (Table A6.6a (L); P148)

Indicator A7 (pages 150-170) provides information on incentives to invest in education by estimating the economic ‘value’ of education in terms of lifetime earnings. In this indicator, no account is taken of the various social, cultural and non-market benefits of education – to the individual as well as the wider community. However, other indicators are provided to illustrate likely societal benefits from additional education (see sections 1.6 and 1.7 below). The approach used is to estimate the Net Present Value (NPV) defined as the amount which would have to be invested to achieve a comparable flow of future returns based on the estimated additional earnings to individuals over a lifetime of employment. Costs and benefits in different periods are discounted back to the beginning of the investment period by means of an estimated internal rate of interest.

This estimation may be divided into two components:

- Monetary value of investment by individuals = individual’s earnings less costs
- Monetary value of investment by public authorities (section 1.5 below) = higher income taxes + social contributions + lower social transfers to individuals less costs borne by the government.

The private net present value for an individual obtaining **upper-secondary** or **post-secondary, non-tertiary education** as part of initial education in Ireland was US\$195,473 for males and US\$103,176 for females (*refer to chart A7.2; P153*). At **tertiary** level (*indicator A7.3a and A7.3b, P167-168*) the figures for Ireland are US\$454,224 for males and US\$254,163 for females.

A range of factors may explain the high additional earnings to more highly-educated persons in Ireland including: greater wage dispersion in the labour force and concentrations of highly educated workers in modern exporting sectors.

Using a combination of information on costs and benefits it is possible to calculate the ‘internal rate of return’ to investment by level and for men and women.

A7.1a&b/A7.3a&b: Private internal rates of return for an individual
(in equivalent USD - 2010 or latest available year)

	Upper secondary + post-secondary (non-tertiary)		Tertiary	
	Men	Women	Men	Women
Ireland	30.3%	15.0%	29.9%	21.0%
OECD average (for those countries for which estimates were made)	15.8%	12.5%	13.9%	13.2%

Source: Indicator A7.1a&b & A7.3a&b; Page 163-164 & 168-169

1.5 Public (fiscal) labour market returns to education (A7)

The Net Present Value of public investments in **upper-secondary or post-secondary non-tertiary education** (A7.2a&b; P165 – 166) was US\$68,862 for males and US\$2,159 for females. The corresponding figures for tertiary level were (A7.4a&b; P169 – 170) US\$283,816 for males and US\$157,487 for females. These are hypothetical estimates of returns to additional government expenditure taking account of the impact on individual earnings, social transfers, savings in unemployment and additional upfront cost. Costs and benefits are projected forward on the basis of data observations at one point in time (2010).

A7.2a&b/A7.4a&b: Public internal rates of return for an individual
(in equivalent USD - 2010 or latest available year)

	Upper secondary + postsecondary (non-tertiary)		Tertiary	
	Men	Women	Men	Women
Ireland	10.8%	3.3%	26.9%	17.5%
OECD average (for those countries for which estimates were made)	8.6%	6.9%	11.9%	10.5%

Source: Indicator A7.2 & A7.4; Pages 165-166 & 169-170.

1.6 Social outcomes of education and skills (A8)

Just as there is a link between educational attainment and labour market and public fiscal returns, levels of education and skill may also be associated with social outcomes such as levels of health, trust, democracy and social cohesion.

Indicator A8 gives various measures of social outcomes by level of education. For EAG 2014, the indicator focus is on self-reported health, volunteering, interpersonal trust and political efficacy, as assessed in the PIAAC background questionnaire. These four social outcomes measures are considered among the key indicators of individual and national well-being (OECD, 2013a).

Higher levels of both educational attainment and literacy proficiency are positively associated with these social outcome measures (Charts A8.2, A8.3, A8.4 and A8.5, Tables A8.1, A8.2, A8.3 and A8.4). Ireland follows the general pattern across OECD countries for this indicator, where the proportion of the population with the highest levels of education and literary skills also had the highest levels of self-reported health, volunteerism, political efficacy and interpersonal trust.

The differences between education and skill levels were most marked in Ireland for political efficacy, with, for example 52% of third level graduates who scored at level 4/5 in the PIAAC literacy test believing they have a say in government, compared to 20% of those with below upper secondary education and PIAAC literacy skill levels of 0/1. Differences between the lowest and highest education and skill levels were much less marked for Ireland in the areas of trust and volunteering. In general, as education and skill levels increase, the levels of positive social outcomes also increase.

Although country-specific patterns can vary, the overall results and strength of the relationships are similar when using numeracy rather than literacy scales (Tables A8.1a [N]-A8.4[N], web only)

1.7 Programme for International Student Assessment (PISA) (A9)

The *Programme for International Student Assessment* (PISA) survey is carried out in every OECD country every three years as part of a nine-year cycle of surveys in which all assessment domains – Reading, Mathematics and Science – are tested in uniform conditions across the world. One particular domain is the main focus of the survey in each survey. In the last survey, undertaken in 2012, Mathematics was the main focus. The international results from 2012 can be viewed [here](#) and the detailed tables at [the following link](#).

[A national report on PISA](#) is available from the Educational Research Centre.

EAG 2014 shows student performance in mathematics (Table A9.1 P198), Ireland Ranked 20th of 64 countries with a mean score of 501 against an OECD average of 494. Boys outperformed girls with an average mean score of 509 against 494, both were above the OECD average of 499 for boys and 489 for girls.

As shown in table A9.2 (P 200), performance has remained broadly unchanged, but more countries have improved than deteriorated in their mathematics performance. Of the 64 countries and economies with trend data up to 2012, 25 show an average annual improvement in mathematics performance, while 14 show an average deterioration in performance between 2003 and 2012. For the remaining 25 countries and economies including Ireland, there is no change in mathematics performance during the period.

2.1 Trends in education spending (B1)

The latest available international data on expenditure refer to 2011 financial year and reflect the position of the continuing economic downturn. With rapid growth in national income as well as in public expenditure in the decade up to 2007, spending by public authorities on education also grew rapidly in Ireland, as it did in most other OECD countries. Between 2005 and 2011, in real terms (allowing for inflation), total public and private spending increased in Ireland by 38% (compared to 12% on average across OECD countries) for all levels of education combined below Higher Education (*B1.5a; P219*)⁴. In Higher Education (HE), expenditure in Ireland grew by 32%, compared to a 25% rise across the OECD (*B1.5b; P220*).

B1.5: Change in *public and private expenditure* on educational institutions between 2005 & 2011 (2005=100) – constant prices

	‘Below HE’ - primary to post-secondary level	Third level
Ireland	138	132
OECD average	112	125
Ranking (OECD)	3rd of 31	6th of 30

Source: Table B1.5

2.2 Expenditure on education relative to national income or public spending (B2)

Total spending as % of national income (*B2.1; P222*): Expenditure on education (public and private combined) in 2011 was 6.2% of Gross Domestic Product (up from 5.6 % in 2008), which is now slightly above average OECD expenditure at 6.1% of GDP and above the EU-21 average of 5.8% of GDP. A contraction in GDP in 2009 and 2010 explains some of this increase. This figure reflects Ireland’s continued maintenance of higher spending levels on education as the economy shrunk. The percentage of GDP spent on higher education in Ireland was 1.5% of GDP in 2011 just below the OECD average (at 1.6% of GDP) whereas at below-HE level, the proportion was higher than the OECD average (4.6% compared to 3.8%).

⁴ In deflating current price data, OECD uses the GDP price deflator. Alternative methods including the use of a public current expenditure price deflator by CSO in ‘Measuring Ireland’s Progress’ gives different (typically lower) estimates of growth in expenditure per student over time (refer to Table 5.1 of MIP2012).

Public expenditure on education as a % of total public expenditure (B4.2; P258): As a percentage of total public expenditure, public spending on education was 13.1% in 2011 compared to 9.8% in 2010. The 2011 OECD average was 12.9%. The lower figure of 9.7% recorded in 2010 is the result of very significant increase in public expenditure recorded due to huge capital transfers to Irish banks as a result of the recapitalisation programme.

2.3 Expenditure on education per student (B1, B3)

Total expenditure per student, in Ireland, exceeded the OECD average for all levels in 2011 (refer to B1.1a below)⁵. Expenditure per student increased, respectively, for ‘below HE’ and HE by 33% and 28% in real terms between 2005 and 2011 (*Tables B1.5a and B1.5b*). Over time, in Ireland, the relative gap between expenditure per student at primary and tertiary level has narrowed.

It should be noted that cumulative expenditure per student by educational institutions over the average duration of tertiary studies is somewhat less than the OECD average in Ireland because of the shorter average duration of studies, here (*Table B1.3a*).

For a different view of comparative expenditure, focusing only on public expenditure for public educational institutions refer to Table B3.4 below. As in B1.1a Ireland was above the OECD average in 2011, for spending per student at all levels.

B1.1a: Annual expenditure on educational institutions per student (2011)
(In equivalent US\$ converted using purchasing power parities for GDP)

	Primary	Secondary	Tertiary (including research and development)	Primary to tertiary
Ireland	8,520	11,502	16,095	10,857
OECD average	8,296	9,280	13,958	9,487
Ranking (OECD)	14 th of 33	9 th of 32	12 th of 30	11 th of 30

⁵ It should be borne in mind that the OECD average itself has been impacted by the addition of new member countries over time.

Public expenditure on pre-primary education

2011 was the second full year of implementation of the ECCE scheme, and so Ireland now has OECD comparative data for per-capita public expenditure on pre-primary education in public and private institutions. The calculation includes expenditure on the ECCE scheme divided by the full-time equivalent number of pupils on the ECCE program in 2011.

Table B3.4 shows that public expenditure in Ireland on pre-primary education, at \$5,405 per student, was below the OECD average expenditure of \$6,403, and Ireland ranked 16th of 30 OECD countries for this indicator.

The equivalent data for public expenditure for other levels of education is shown in Table B3.4 below.

B3.3: Annual public expenditure on public* educational institutions per student (2011)

(In equivalent US\$ converted using purchasing power parities for GDP)

	Pre-primary	Primary thru post-secondary, non-tertiary	Tertiary	All levels
Ireland	5405	9,492	12,826	10,037
OECD average	6403	8,762	11,877	8,952
Ranking (OECD)	16 th of 30	10 th of 29	12 th of 26	9 th of 26

Source: Table B3.3

* Definitions of public and private vary across countries.

2.4 Annual expenditure on educational institutions per student relative to GDP per capita (B1)

The absolute amount spent per student reflects a number of factors including widely varying levels of GDP per capita across OECD member countries. To adjust for relative prosperity, total annual expenditure per student at each level of education (primary, secondary and tertiary) is divided by GDP per capita (B1.4; P218). Average expenditure per pupil across all levels in Ireland relative to GDP per capita (primary to higher education) was, in past years, amongst the lowest among OECD countries (refer to B1.4 below). In recent years Ireland's ranking has improved for this measure, most significantly for expenditure at second-level education. However, Ireland's overall ranking remains slightly below the OECD average.

B1.4: Annual expenditure on educational institutions per student relative to GDP per capita

	Primary	Secondary	Tertiary (Including research and development)	Primary to tertiary
Ireland	20	27	37	25
OECD average	23	26	41	27
Ranking (OECD)	26 th of 32	15 th of 31	20 th of 30	20 th of 29

2.5 Public subsidies for education to private entities (B5)

A significant portion of public spending on higher education, internationally, goes towards subsidies to households for tuition or student living costs. These may take the form of direct grants, subsidies, student loans and services-in-kind. In Ireland the proportion of public education expenditure dedicated to directly subsidising higher education students was above the OECD average – 13.3% for Ireland and 11.6% for the OECD average (*B5.4; P276*).

2.6 Allocation of expenditure by resource category (B6)

Most of expenditure on education in OECD countries is accounted for by salaries – in particular teacher salaries. In 2011, on average across the OECD, they accounted for 62.8% of total current expenditure at primary, secondary and post-secondary non-tertiary levels. In Ireland the corresponding figure was even higher at 70.9% (*B6.2; P284*). Correspondingly, 10.7% of current expenditure in primary, secondary and post-secondary non-tertiary education, combined, goes towards compensation of non-teaching staff in Ireland compared to the OECD average of 15.1%. Compared to other countries, Ireland also spends slightly less on non-pay current items, at 18.4% compared to the OECD average of 21.1% (*B6.2; P284*).

2.7 Which factors influence level of spending? (B7)

As in last year's EAG, Tables B7.1a to B7.1c show a breakdown of the contribution of the following four factors to differences in teacher salary cost per pupil at a given level of education:

- instruction time of students
- teaching time of teachers
- teachers' salaries
- class size

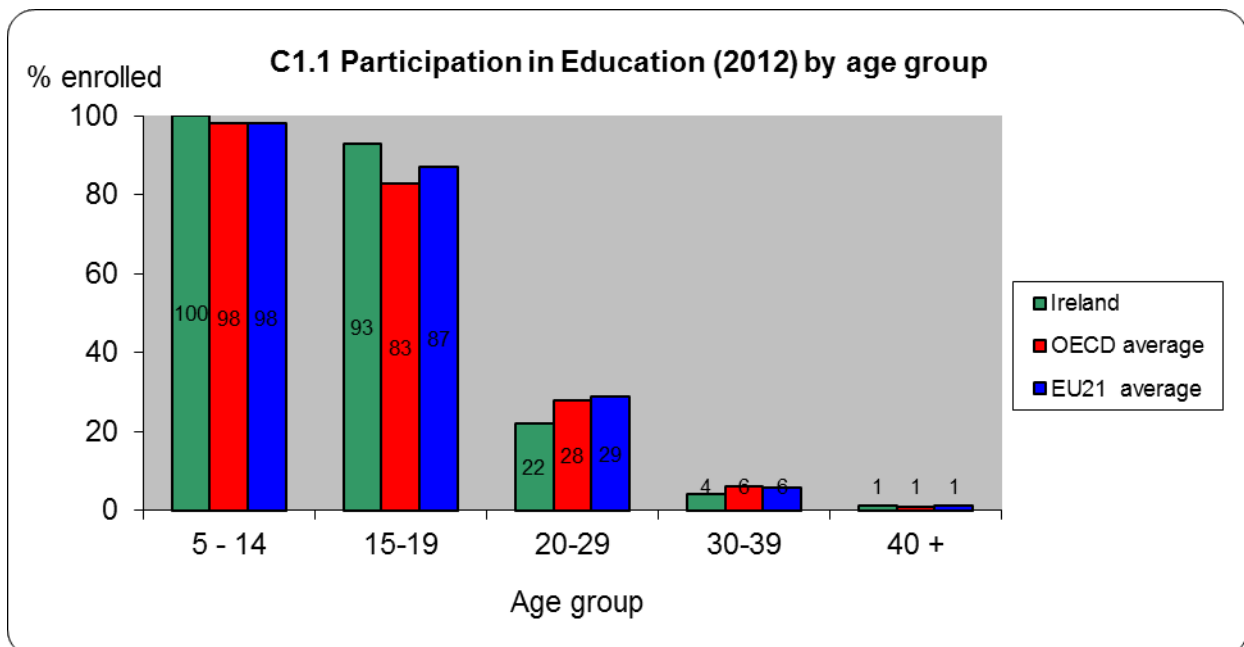
B7 takes the differences between the OECD average and each individual country's value at each level of education from primary to upper secondary, for teachers' salary cost per student, and looks at which of the above four factors are the main drivers for the difference. For Ireland, which has a higher salary cost per student than the OECD average, the main factor behind the difference between Ireland and the OECD's teacher salary cost per student, is the relative size of our teachers' salaries, which are larger than the OECD average.

This indicator serves to highlight that, often, educational outcomes are not simply a function of the level of expenditure, as the same level of expenditure can be allocated in many different ways; they may have differing resultant effects on outcomes depending on whether the expenditure is used on higher teachers' salaries, extra instruction time for students or smaller classes.

3.1 Participation outside of compulsory education (C1, C2, C3)

Early childhood education: The enrolment rate in Ireland for children aged 3 was 42% and aged 4 was 97% in 2011/12. This compared to OECD averages of 70% and 84% respectively and EU21 averages of 79% and 89% (C2.1; P 327). Note that a high proportion of children enrolled in the ECCE scheme have turned age 4 age at the reference point in time at which the statistics are drawn. Table C2.1: P327 shows the enrolment rates of children aged 3, 4, 5 and 6 in pre-primary and primary education. The data for Ireland show that 58% of 4-year-olds are enrolled in pre-primary education, the fifth lowest of all countries shown. However, this is because a further 39% of 4-year-olds are enrolled in primary education. Ireland, the UK and (for a very small number) Australia, are the only countries with 4-year-olds enrolled in primary education. Moving across the table, 99% of Irish 5-year-olds are enrolled in primary education whereas 81% of 5-year-olds across the OECD are enrolled in pre-primary education.

Transition to adulthood and further/higher education: The enrolment rates for 15-19 year-olds, here, exceeds the OECD and EU21 averages but rates for all the older age groups trail the international averages (C1.1a; P312). Ireland shares, in common with some other OECD countries, a pronounced pattern of early completion of upper-secondary education and commencement of further and higher education around the age of 18. The enrolment rates for the older age groups (20–29, 30–39 and 40+) here trail the international averages for the OECD and EU21 averages respectively, illustrating a strong emphasis in Ireland on initial formal education and training and relatively less emphasis for older age-groups.



Examining trends over time (C1.2; P 313) shows that enrolment among 20-29-year-olds increased from 14% to 21% between 1995 and 2005 but fell back to 18% in 2008 – suggesting a possible

negative impact on enrolment arising from rapid economic growth in the 2004-2008 period. The rate increased in 2011 to 21% and increased slightly to 22% for 2012.

Access to higher education: Indicator *C1.4; P315* shows distributions of higher education students by full- and part-time. There are relatively high numbers of part-time higher education students in Ireland at ISCED5B (NFQ Level 6 (higher) and 7) compared to ISCED 5A and advanced programmes. The age profile of new entrants to higher education is shown in *C3.1b; P339*. 83% of entrants in Ireland were aged 25 or younger in the case of ISCED5B programmes, compared to 58% on average across the OECD.

3.2 Student mobility in higher education (C4)

Among full-time international tertiary students in Ireland, 32.3% were from Asia; 40.6% were from a European country (other than Ireland); 15.8% were from North America (*C4.3; P 356*). For those students from Ireland studying abroad (including part-timers) at tertiary level, 82.4% were studying in the UK (many of whom in Northern Ireland) (*C4.4; P358*). 11.4% of UK citizens enrolled in tertiary education abroad study in Ireland.

3.3 How successful are students in moving from education to work? (C5)

The proportion of young people aged 15-19 who were unemployed or not in employment, education or training (NEET) was 7.2% on average across OECD countries in 2012 (*C5.3a; P378*). The corresponding figure for Ireland was 9.6%, up slightly from 9.4% in 2011 but down from 10.1% in 2010 and 11.0% in 2009. The proportions for 20-24 year olds were 17.5% and 25.7% for the OECD average and Ireland, respectively. Taking all young people aged 15-29, only Turkey, Spain, Italy, Chile and Mexico, (at 29.2%, 25.8%, 24.6%, 22.3% and 22.0 %) recorded higher NEET rates than Ireland (21.1%). The corresponding rate was 16.3% in the UK and 6.7% in the Netherlands, while the OECD average was 15.2%.

4.1 Instruction time in schools (D1)

The quantity of time spent in formal instruction or teaching is an important measure of educational input. In each EAG, OECD publishes comparative data on instruction time according to the formal policy in each country distinguishing between time that is considered compulsory and time that is intended for instruction in a given curriculum area. At both primary and lower-secondary level, instruction time (compulsory or intended) here was greater than the OECD average. Caution is needed, however, in comparing countries because (a) intended instruction can diverge significantly from actual instruction time and this divergence may not be the same across countries, and (b) the exact interpretation of ‘instruction’ may not be consistent in every case (refer to Technical Note 6).

D1.1: Instruction time in compulsory general education (2011/2012)

	Primary		Lower secondary	
	<i>Intended</i>	<i>Compulsory</i>	<i>Intended</i>	<i>Compulsory</i>
Ireland	915	915	935	935
OECD average	m	794	m	905
EU21 average	m	768	m	882
Ranking (OECD)		8 th highest of 33*		11 th highest of 33*

* In the tables on instruction time the Flemish Community of Belgium and the French Community of Belgium are counted separately, as are England and Scotland.

In the case of primary schools, 17% of compulsory instruction time was allocated to Mathematics compared with an OECD average of 15%. Science accounts for 4% of instruction time compared with 7% across the OECD. By contrast, 10% of compulsory instruction time was given to Religion, Ethnics and Moral education in Ireland (the second highest in this table behind Israel) compared with an OECD average of 5%.

20% of compulsory instruction time in primary schools was given to ‘Reading, writing and literature’ - below the OECD average of 22%. This would appear to indicate a significant drop in time allocation to literacy compared with previous years. However, it should be noted that this figure relates only to the first language of the school: English in English-medium schools and Irish in Irish-medium schools. Previous surveys allowed us to combine the instruction time in both English and Irish, regardless of their status as either first language or second language of the school and to report the total under literacy. In the most recent data collection, this would amount to 34% of instruction time. In line with the revised guidance for the most recent data collection, the instruction time for the second language of the school was recorded under ‘Other’ and amounted to 14%.

Note that the instruction time referred to above for ‘Reading, writing and literature’ and Mathematics includes the additional time allocated to literacy (i.e. one hour per week) and to numeracy (i.e. 70 minutes per week) provided for under the implementation of the National Literacy and Numeracy Strategy.

In the case of primary schools, modern foreign languages accounted for an average of 6% of compulsory instruction time across the OECD, and 6% of compulsory instruction time across the EU in contrast to a negligible amount for that age group in Ireland. The highest country was Luxembourg where 18% of instruction time is devoted to modern languages at primary level.

Up to 2012, when the Modern Languages in Primary School Initiative was abolished, modern languages had been taught in approximately 15% of primary schools. The focus now at this level is on the development of learners’ competence in the two national languages, English and Irish, and facilitating the transfer of skills in a manner that will create a solid foundation for the learning of a third or more languages in post-primary school.

At lower secondary, 10% of instruction time is devoted to modern languages – 4% lower than the OECD average of 14% and the 6th lowest of 29 OECD countries reporting. Refer to *D1.3b; P440*. Technical Note 6 contains more information.

The new Junior Cycle, with its emphasis on the need for all students to engage with learning in at least one modern foreign language, and new opportunities for language learning such as the study of Chinese Language and Culture will help to improve Ireland’s foreign language proficiency overall. The DES consultation on foreign languages in Irish education launched on 29 August will provide an opportunity to reflect on provision for foreign languages in post-primary schools.

Caution is needed in making these comparisons by subject area. For example, in relation to ‘Reading, writing and literature’, both English and Irish, as national languages, are taught in all schools. However, the time allocated to Reading, writing and literature’ reflects only the first language of the school. –

(*D1.3a; P439 and D1.3b; P440*). Refer to Technical Note 6.

D1.3a: Instruction time per subject in primary education (2011/2012)

	Reading, writing and literature	Maths	Science	Social studies	Modern languages	Arts	Physical Education and Health	Religion, Ethics and Moral Education	Other - including flexible curriculum
Ireland	20	17	4	8	-	12	4	10	25
OECD average	22	15	7	6	5	9	8	5	3
EU21 average	21	14	7	4	6	9	8	5	3

4.2 Class size and pupil-teacher ratio (D2)

Average class size (ACS) and pupil-teacher ratio (PTR) (*D2.1 and D2.2; P450-451*): The pupil-teacher ratio at primary level declined gradually in Ireland from 21.5 in 1999/00 (when the OECD average was 17.7) to 15.7 in 2010/2011 and increased to 16.2 in 2011/2012.

D2.1/2.2: Pupil-teacher ratios and average class size in public primary schools in 1999/2000 & 2011/2012

	<i>1999/00</i>		<i>2011/12</i>	
	<i>Pupil-teacher ratio</i>	<i>Average class size</i>	<i>Pupil-teacher ratio</i>	<i>Average class size</i>
Ireland	21.5	24.8	16.2	24.4
OECD average	17.7	22.1	15.3	21.3
Rank position (OECD)	4 th highest of 27	5 th highest of 23	11 th highest of 31	6 th highest of 28

At second level, the PTR in Ireland was 15.0. Refer to Technical Note 7 for further information on the estimation of class size at lower-secondary level.

D2.1/2.2: Pupil-teacher ratios and average class size in public[^] secondary schools in 1999/2000 & 2011/2012

	<i>1999/00</i>		<i>2011/12</i>	
	<i>Pupil-teacher ratio</i>	<i>Average class size</i>	<i>Pupil-teacher ratio</i>	<i>Average class size</i>
Ireland	15.9	22.7*	15.0	-
OECD average	14.3	23.6	13.5	23.5
Rank position (OECD)	6 th highest of 24	15 th highest of 23	8 th highest of 31	-

[^] Public secondary schools in Ireland include all voluntary secondary schools (both fee-paying and non-fee-paying) along with community, comprehensive and VEC schools.

* Lower secondary only (based on D/ES Teacher Timetable Database).

The PTR for second level in EAG differs to the figure shown in the DES Statistical Report (13.6) for the same year (2011/2012), due to the inclusion of pupils and teachers in other settings such as STTC, Youthreach and FÁS.

The student-staff ratio at third level in Ireland, as reported in this year's EAG, refers to public institutions only (D2.2; P451).

D2.2 Student-staff ratio in higher education

	2011/2012
Ireland (publicly funded only)	18.5
OECD average (public and private institutions)	14.4
Rank position (OECD)	6 th highest of 23

4.3 Teachers' salaries (D3)

Gross salaries paid to teachers in Ireland reflect salaries paid to higher education graduates as well as wage, salary and GDP levels prevailing in Ireland. The reference year used in this year's EAG is 2011/12. Data were derived from the OECD-INES Survey on Teachers and the Curriculum. Data were reported in accordance with 'formal policies for public institutions'. Statutory salaries reported in this indicator are not the same as actual expenditures on salaries. Differences in taxation, pension provision and various non-salary benefits are not factored into these comparisons. Refer to Technical Note 12 for further details.

Indicator (D3.1; P467) summarises data on salary levels of teachers at primary and secondary level in absolute amounts. All national or Euro-currency values have been converted into US dollars at purchasing power parity (thus adjusting for price differences between different economies). All salary amounts reflect statutory entitlements based on minimum qualification requirements. In the case of Ireland, teacher allowances based on qualifications are not included in the statutory salaries reported. Salary levels are assumed to be identical for teachers at lower- and upper-secondary level in Ireland due to the common salary scale, whereas internationally it varies by level within secondary. There is, in the case of Ireland, no gap in statutory salaries between teachers at primary and second level and between teachers at lower- and upper-secondary level whereas in most other countries, salaries increase with level.

At primary level, Irish teachers are better paid (in absolute terms) than teachers in most other countries. The relative position of primary level teachers here improves as they move from the minimum to the maximum of the pay scale. At secondary level, Irish teachers are also better paid than elsewhere.

Note that these figures relate to salary scales for full-time teachers only (and hence not representative of teachers engaged on a part-time basis).

D3.1: Teachers' salaries (2011/2012) after 15 years of experience

(in equivalent US\$ converted using PPPs)

	Primary	Lower second level	Upper second level
Ireland	55,148	55,148	55,148
OECD average	39,024	40,570	42,861
EU21 average	39,160	41,174	43,564
Ranking	4 th highest of 35*	5 th highest of 35*	8 th highest of 34*

* In the tables on teachers' salaries, the Flemish Community of Belgium and the French Community of Belgium are counted separately, as are England and Scotland.

Another way of looking at comparisons of teacher pay is to look at an index of change in salaries. Starting with the year 2005 as 100, the figure for Ireland for 2012 was 1.12 for primary and 1.12 for lower and upper secondary (D3.5; P472). This value was higher than the corresponding OECD average of 1.03 for primary, 1.02 for lower secondary and 1.01 for upper secondary.

Yet another way of looking at comparisons of teacher pay is to compare teachers' salaries to those of other tertiary-educated workers (*D3.2; P469*). On average in OECD countries, primary teachers earn 85% of the salary of a tertiary-educated, 25-64 year-old full-time, full-year worker; lower-secondary teachers are paid 88% and upper-secondary teachers are paid 92% of that benchmark salary. The corresponding figures for Ireland are 81% for primary, lower secondary and upper secondary.

4.4 Teachers' working time (D4)

The teaching contract for Irish teachers focuses primarily (if not exclusively) on teaching time. This is unusual by international standards because the teachers' contract in many OECD countries includes additional specifics on working time required at school and the overall statutory working time of teachers extends well beyond their compulsory teaching time.

The following tables illustrate this key point because the OECD average 'total statutory working time' of teachers was more than double the international average 'teaching time' at both primary and second level. Therefore, while the teaching time of Irish teachers was relatively high by international standards, their 'working time required at school' was one of the lowest in the OECD at primary and second level.

The regulation of teachers' working time varies widely among countries. While some countries formally regulate contact time only, others establish working hours as well. In some countries, time was allocated for teaching and non-teaching activities within the formally established working time. In most countries, teachers are formally required to work a specified number of hours per week to earn their full-time salary; this includes teaching and non-teaching time. Within this framework, however, countries differ in the allocation of time to teaching and non-teaching activities. Typically, the number of hours for teaching was specified, but some countries also regulate at the national level the time that a teacher has to be present in the school. Refer to Technical Notes 9 to 11 for further information on the definition of teaching and working time.

D4.1: Details of primary teachers' working time 2011/2012 (page 484)

	Ireland	OECD average	EU21 average
Number of weeks of instruction	37	38	38
Number of days of instruction	183	183	180
Net teaching time, in hours	915	782	754
Working time required at school, in hours	1,079	1,200	1,104
Total statutory working time, in hours	Not applicable	1,649	1,592

D4.1: Details of lower-second-level teachers' working time 2011/2012 (page 484)

	Ireland	OECD average	EU21 average
Number of weeks of instruction	33	38	37
Number of days of instruction	167	182	179
Net teaching time, in hours	735	694	653
Working time required at school, in hours	778	1,173	1,075
Total statutory working time, in hours	Not applicable	1,649	1,591

4.5 Age and gender distribution of teachers (D5)

Indicator D5 presents data on the gender and age distribution of teachers at each level. Over a fifth (21%) of primary teachers in Ireland were under 30; this compares to the OECD average of 13% (*D5.1; P493*).

As in the majority of other countries, the teaching profession in Ireland continues to be dominated by females (*D5.3; P495*).

1. For most indicators an ‘**OECD average**’ (or unweighted mean) is shown along with an ‘**OECD total**’ measure. The OECD average is calculated as the unweighted mean of the data values of all OECD countries for which data are available or can be estimated. The OECD average refers to an average of data values at the level of the national systems and can be used to answer the question of how an indicator value for a given country compares with the value for a typical or average country. It does not take into account the absolute size of the education system in each country. The OECD total measure is calculated as a weighted mean of the data values of all OECD countries for which data are available or can be estimated. It reflects the value for a given indicator when the OECD area is considered as a whole.
2. As of August 2012, OECD comprised 34 member countries of which 21 are members of the European Union. These are referred to as ‘EU21’ and comprise: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Ireland, Luxembourg, the Netherlands, Poland, Portugal, the Slovak Republic, Slovenia, Spain, Sweden and the United Kingdom. Hence, there are 6 EU member states (27 minus 21) that are not members of the OECD (and are not included in EAG) while there are 13 OECD member countries that are not members of the European Union but are included in EAG. Data for a number of countries in partnership with OECD, including China, Russia and Brazil, are shown in some tables but these are shown separately within the table and are not included in the calculation of the OECD averages.

Comparative data on education and training for EU member states up to the year 2012 may be accessed at the following website:

http://epp.eurostat.ec.europa.eu/portal/page/portal/statistics/search_database

(and follow links to Database -> Population and Social Conditions -> Education)

3. ISCED Coding (as applied to Ireland)

ISCED 0 (Pre-primary)

Early Start classes in primary schools and pre-school Traveller centres (note that Early Childhood Care and Education will be included in EAG2014).

ISCED 1 (Primary)

All classes in National Schools including Junior and Senior Infant classes plus 1st to 6th class.

However, the information provided in indicators D1 focussed on the period of 1st Class to 6th Class: the six years of compulsory education in primary education: It should be noted that ISCED 1 includes the two years of Infant Education but the data in relation to Infants was not requested. This is because the infant classes fall outside the definition of compulsory schooling.

ISCED 2 (Lower Secondary)

Junior Cycle + some FETAC NFQ level 2 courses.

ISCED 3 (Upper Secondary)

Senior Cycle + BIM, Teagasc, FÁS, Fáilte programmes at NFQ levels 4 and 5.

General: Leaving Certificate & Transition year

Vocational: some FÁS programmes

Pre-vocational: LCVF, LCA and VTOS

ISCED 3A

Leaving Cert (traditional) and Vocational programmes.

ISCED 3B

Programmes at level 3 designed to provide direct access to ISCED 5B. Category is not relevant in the Irish context.

ISCED 3C

Leaving Cert Applied, Transition year, VTOS and some FÁS programmes.

Programmes at this level are not designed to lead directly to ISCED 5A or 5B. Therefore, these programmes lead directly to labour market, ISCED 4 programmes or other ISCED 3 programmes and in terms of Irish reporting consists of FETAC level 4 and 5 awards such as FETAC specific skills certificate and FETAC national skills certificate.

ISCED 4 (Post-secondary, non-tertiary)

Post-Leaving Certificate courses + apprenticeships + Fáilte, Teagasc programmes at NFQ levels 5 or 6 (but not Higher Certificate). ISCED 4C programmes are not designed to lead directly to ISCED 5A or 5B. These programmes lead directly to labour market or other ISCED 4 programmes. Examples include apprenticeships, Teagasc farming or horticulture certificate/diploma and the National Craft Certificate at NFQ levels 5 or 6.

ISCED 5A (Tertiary)

NFQ level 8. First Honours Bachelors Degree (3-4 yrs); Honours Bachelors Degree in (Veterinary) Medicine/Dental Science/Architecture (5-6 yrs); Second Postgraduate Diploma (1 yr); Masters Degree (taught) (1 yr); Masters Degree (whether taught or by research) (2 yrs)

ISCED 5B (Tertiary)

NFQ levels 6 (higher) and 7. First Higher Certificate (typically 2 yrs); Ordinary Bachelor Degree (typically 3 yrs); Second Ordinary Bachelor Degree (3 yrs).

Tertiary-type B programmes (Higher Certificate/ Ordinary Bachelor Degree) are classified at the same level of competencies as tertiary-type A programmes, but are more occupationally-oriented and usually lead to direct labour market access. The programmes are typically of shorter duration than type A programmes – usually two to three years.

ISCED 6 (Tertiary PhD)

Doctoral Degree (PhD)

4. It should be noted that increases in per-student expenditure at second level over time in Ireland as published by the Department of Education and Skills and the Central Statistics Office differ from trends in per-student expenditure as published by OECD in EAG for a number of reasons including:
 - Capital spending is included in the OECD estimate but not in the Department of Education and Skills/CSO data which refer to recurrent spending only.
 - Private spending is included in the OECD estimate but not in DES/CSO figures.

- In line with international guidelines, spending by other public bodies (FÁS, other Departments etc.) are included in the OECD estimates but not in DES/CSO figures up to 2011.

5. *Instruction time* in Indicator D1 refers to intended (or separately compulsory) instruction time based on policy documents (e.g. curricula) in countries where a formal policy exists. In countries where such formal policies do not exist, the number of hours was estimated from survey data. Data are based on countries' responses to questionnaire CURR 1 of the system-level annual data collection of INES NESLI network's Survey of Teachers and the Curriculum. Data were collected on classroom sessions per year in public institutions, by subject in the modal grades of students age 7 to 15 for the referenced school year 2011/2012. Hours lost when schools were closed for festivities and celebrations (such as national holidays) were excluded. Intended instruction time does not include non-compulsory time outside the school day, homework, individual tutoring or private study done before or after school.

The revised methodology for the completion of the data collection tool posed difficulties for Ireland in relation to recording the second language of the school (Irish in English-medium schools and English in Irish-medium schools). The given definitions of *Reading, writing, and literature, Modern foreign languages* and *Ancient Greek and/or Latin* do not appear to make provision for a system where there are two national languages. As Irish does not fall into either the category of Modern Foreign language or Ancient Greek and/or Latin, it was recorded, in line with the instructions, under 'Other' subjects. Thus, it is not as visible as it should be and the tables, as presented, do not adequately reflect the provision made for the teaching of languages in Ireland. Ireland has made representation that the survey should properly capture the place of the Irish language in our curriculum.

Curriculum: Note in Annex III for Ireland (EAG2014): 'The curriculum for primary schools is an integrated curriculum and envisages an integrated learning experience for children which should facilitate cross-curricular activity. To assist schools in planning the implementation of the curriculum, a time framework is suggested that allocates a minimum time to each of the curriculum areas. Four hours each day must be set aside for secular instruction. A period of two hours a week of discretionary time is allowed to accommodate different school needs and circumstances and to provide for the differing aptitudes and abilities of the pupils.

Time allocation is based on the following weekly framework for a 36.6-week school year in primary education: English (5 hours); Irish (3.5 hours); Mathematics (4.17 hours); Social, Environment and Scientific Education (3 hours, divided between Science and Social Sciences); Social, Personal and Health Education (0.5 hours, included in "other"); Physical Education (1 hour); Arts Education (3 hours); Religious Education (2.5 hours); assembly/roll call (2.33 hours, included in "other") total 25 hours. Whilst the curriculum also makes provision for discretionary curriculum time (2 hours), for the purposes of these tables, the additional time allocated to Literacy (1 hour) and Numeracy (70 minutes) has been deducted from the discretionary time. Note however that Circular 0056/2011 allows schools to make provision for the increased time through a combination of approaches such as:

- integrating literacy and numeracy skills with other curriculum areas
- using some or all of discretionary curriculum time for literacy and numeracy activities
- re-allocating time spent on the other subjects in the curriculum to the development of literacy and numeracy

- prioritising the curriculum objectives which are considered most valuable in supporting children's learning and delaying the introduction of elements of some subjects (for example, by delaying the introduction of strands and strand units from the history and geography curriculum for the infant classes and first and second classes to later in the primary cycle).
6. *Average class size* at junior cycle was previously estimated from data provided by the Post-Primary Timetables Database. During one reference week in September, all schools were asked to provide class-size information for all periods of instruction (classes). The total number of pupils in attendance in all periods of instruction is divided by the total number of periods of instruction during the reference week. This data source is no longer available.
 7. *Teaching time* is defined as the number of hours per year that a full-time teacher teaches a group or class of students according to policy. It is normally calculated as the number of teaching days per annum multiplied by the number of hours a teacher teaches per day (excluding periods of time formally allowed for breaks between lessons or groups of lessons). Number of *teaching weeks* refers to the number of weeks of instruction excluding holiday weeks. The number of *teaching days* is the number of teaching weeks multiplied by the number of days a teacher teaches per week, less the number of days that the school is closed for festivities. Some countries, however, provide estimates of teaching time based on survey data. At the primary level, short breaks between lessons are included if the classroom teacher is responsible for the class during these breaks.
 8. *Teacher working time* refers to the normal working hours of a full-time teacher. According to formal policy in a given country, working time can variously refer only to the time directly associated with teaching (and other curricular activities for students such as assignments and tests, but excluding annual examinations) or the time directly associated with teaching and hours devoted to other activities related to teaching, such as lesson preparation, counselling students, correcting assignments and tests, professional development, meetings with parents, staff meetings and general school tasks. Working time does not include paid overtime.
 9. *Number of days a teacher teaches per year*: The minimum school year for pre-primary and primary education is 183 days; for secondary education it is 167 days. In actuality, minimum = maximum.
 10. *Number of hours a teacher teaches per day*: For primary education: (5 hours 40 minutes) – (40 minutes breaks and recreation) = 5 hours minutes; For secondary education, 22 hours per week (maximum) are required = 4.4 teaching hours on average per day.
 11. *Teachers' Salaries*: Data on statutory teacher salaries are based on the salary scales and are derived from the 2012 NESLI Survey on Teachers and the Curriculum Data. Data presented in EAG 2014 for starting salary refers to the second point of the salary scale for primary teachers and the third point of the scale for post-primary teachers appointed prior to 01 January 2011. The reported data do not include any additional allowances including qualification allowances. New pay scales were introduced (Circular 0040/2011) for new appointees to teaching as part of Budget 2011. The new scales reflected a 10% reduction in basic pay and allowances. The circular also stipulated that new appointees should commence on Point 1 of the salary scale.