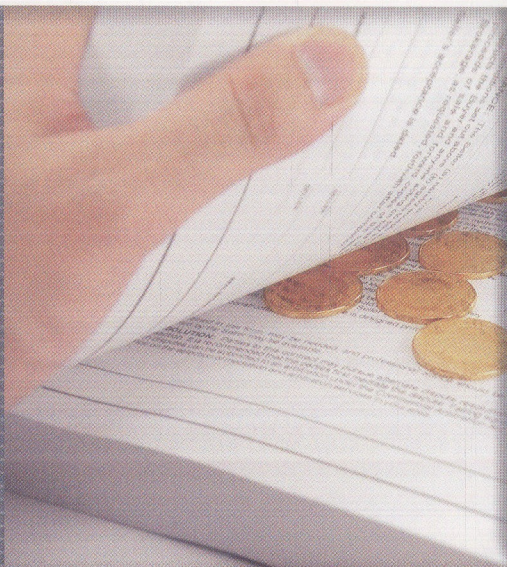




Education at a Glance 2012

OECD INDICATORS



$\frac{9}{18} = \frac{1}{2}$



TABLE OF CONTENTS

		Number of the indicator in the 2011 edition
Editorial.....	13	
Introduction.....	17	
Reader's Guide.....	21	
CHAPTER A THE OUTPUT OF EDUCATIONAL INSTITUTIONS AND THE IMPACT OF LEARNING	25	
Indicator A1 To what level have adults studied?	26	A1
Table A1.1a Educational attainment: Adult population (2010).....	34	
Table A1.2a Population that has attained at least upper secondary education (2010).....	35	
Table A1.3a Population that has attained tertiary education (2010).....	36	
Table A1.4 Trends in educational attainment: 25-64 year-olds (1997-2010).....	37	
Table A1.5 Extent of vocational education and training (2010).....	39	
Indicator A2 How many students are expected to finish secondary education?	40	A2
Table A2.1 Upper secondary graduation rates (2010).....	53	
Table A2.2 Upper secondary graduation rates: below 25 years old (2010).....	54	
Table A2.3 Trends in graduation rates (first-time) at upper secondary level (1995-2010).....	55	
Table A2.4 Distribution of upper secondary vocational graduates, by field of education and gender (2010).....	56	
Table A2.5 Successful completion of upper secondary programmes, by gender and programme orientation.....	57	
Table A2.6 Successful completion of upper secondary programmes, by programme orientation and duration.....	59	
Indicator A3 How many students are expected to finish tertiary education?	60	A3
Table A3.1 Graduation rates at tertiary level (2010).....	67	
Table A3.2 Trends in tertiary graduation rates (1995-2010).....	68	
Table A3.3 Graduation rates at different tertiary levels, impact of international/foreign students (2010).....	69	
Table A3.4 Structure of tertiary education: Main programme blocks (2010).....	70	
Indicator A4 What is the difference between the career aspirations of boys and girls and the fields of study they pursue as young adults?	72	
Table A4.1 Percentage of 15-year-old boys and girls who plan to work in International Standard Classification of Occupations (ISCO) major occupational groups 1 and 2, by gender.....	81	
Table A4.2 Percentage of 15-year-old boys and girls planning a science-related career or a career in engineering and computing at age 30, by gender.....	82	
Table A4.3 Percentage of 15-year-old boys and girls expecting employment in health and services at age 30, by gender.....	83	
Table A4.4 Trends in entry rates at tertiary level, by gender (2005-2010).....	84	

Table A4.5	Percentage of qualifications awarded to women at different tertiary levels (2010).....	85	
Table A4.6	Percentage of qualifications awarded to women in tertiary-type A and advanced research programmes, by field of education (2000, 2010).....	86	
Indicator A5	How well do immigrant students perform in school?.....	88	
Table A5.1	Correlations between reading performance and various measures of student concentration in schools.....	97	
Table A5.2	Concentration of immigrant students in schools according to various characteristics.....	98	
Table A5.3	Percentage of students in disadvantaged schools, by educational level of their mother, and from low occupational status families.....	99	
Table A5.4	Performance among students in the school disadvantage quartiles and those whose mothers have high or low levels of education.....	100	
Indicator A6	To what extent does parents' education influence access to tertiary education?.....	102	
Table A6.1	Participation in higher education, by parents' educational attainment (2009).....	111	
Table A6.2	Educational attainment level of 25-34 year-old non-student population, by educational attainment level of their parents (2009).....	113	
Table A6.3	Educational mobility of 25-34 year-old non-students by parent's level of education (2009).....	116	
Indicator A7	How does educational attainment affect participation in the labour market?.....	118	A7
Table A7.1a	Employment rates, by educational attainment and gender (2010).....	128	
Table A7.2a	Unemployment rates, by educational attainment and gender (2010).....	130	
Table A7.3a	Trends in employment rates of 25-64 year-olds, by educational attainment (1998-2010).....	132	
Table A7.4a	Trends in unemployment rates of 25-64 year-olds, by educational attainment (1998-2010).....	134	
Table A7.5	Proportion of wage earners who worked full-time among all earners, by educational attainment and age group (2010).....	136	
Table A7.6	Labour market outcomes of 25-64 year-olds, by programme orientation at ISCED 3/4 level (2010).....	138	
Indicator A8	What are the earnings premiums from education?.....	140	A8
Table A8.1	Relative earnings of the population with income from employment (2010 or latest available year).....	150	
Table A8.2a	Trends in relative earnings: Total population (2000-10).....	152	
Table A8.2b	Trends in relative earnings: Men (2000-10).....	154	
Table A8.2c	Trends in relative earnings: Women (2000-10).....	156	
Table A8.3a	Differences in earnings between women and men (2010 or latest available year).....	158	
Table A8.3b	Trends in differences in earnings between women and men (2000-10).....	159	

Indicator A9	What are the incentives to invest in education?	162
Table A9.1	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 (2008 or latest available year)	174
Table A9.2	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 (2008 or latest available year)	176
Table A9.3	Private net present value and internal rate of return for an individual obtaining tertiary education as part of initial education (2008 or latest available year)	178
Table A9.4	Public net present value and internal rate of return for an individual obtaining tertiary education as part of initial education (2008 or latest available year)	180
Indicator A10	How does education influence economic growth, labour costs and earning power?	182
Table A10.1	GDP growth (real percentage change from previous year) and labour income growth, by educational category (2000-10) (%)	192
Table A10.2	Annual labour costs, full-time gross earnings and annual net income, by ISCED levels in equivalent USD, 25-64 year-olds (2009 or latest available year)	195
Table A10.3	Annual labour costs, full-time gross earnings and annual net income, by ISCED levels in equivalent USD, 25-34 year-olds (2009 or latest available year)	197
Table A10.5	Annual labour costs, full-time gross earnings and annual net income, by ISCED levels in equivalent USD, 45-54 year-olds (2009 or latest available year)	199
Indicator A11	What are the social outcomes of education?	202
Table A11.1	Additional years of life expectancy at age 30, by level of educational attainment and gender (2010)	209
Table A11.2	Proportions of adults voting, by level of educational attainment and age group (2008, 2010)	210
Table A11.3	Incremental percentage point differences in “engagement in social activities” associated with an increase in the level of educational attainment (2010) (with and without adjustments for age, gender and income)	211
Table A11.4	Mean scores of “students’ attitudes towards equal rights for ethnic minorities”, by their proficiency level of civic knowledge (2009)	212
CHAPTER B	FINANCIAL AND HUMAN RESOURCES INVESTED IN EDUCATION	213
Indicator B1	How much is spent per student?	216
Table B1.1a	Annual expenditure per student by educational institutions, for all services (2009)	228
Table B1.2	Annual expenditure per student by educational institutions on core services, ancillary services and R&D (2009)	229
Table B1.3a	Cumulative expenditure per student by educational institutions for all services over the average duration of tertiary studies (2009)	230
Table B1.4	Annual expenditure per student by educational institutions for all services relative to GDP per capita (2009)	231

Table B1.5a	Change in expenditure per student by educational institutions for all services relative to different factors, at the primary, secondary and post-secondary non-tertiary levels (1995, 2000, 2005, 2009).....	232	
Table B1.5b	Change in expenditure per student by educational institutions for all services relative to different factors, at the tertiary level (1995, 2000, 2005, 2009).....	233	
Table B1.6	Annual expenditure per student by educational institutions for all services, by type of programme, at the secondary level (2009).....	234	
Indicator B2	What proportion of national wealth is spent on education?	236	B2
Table B2.1	Expenditure on educational institutions as a percentage of GDP, by level of education (1995, 2000, 2009).....	244	
Table B2.2	Expenditure on educational institutions as a percentage of GDP, by level of education (2009).....	245	
Table B2.3	Expenditure on educational institutions as a percentage of GDP, by source of fund and level of education (2009).....	246	
Table B2.4	Expenditure on educational institutions, by service category as a percentage of GDP (2009).....	247	
Indicator B3	How much public and private investment in education is there?	248	B3
Table B3.1	Relative proportions of public and private expenditure on educational institutions, for all levels of education (2000, 2009).....	257	
Table B3.2a	Relative proportions of public and private expenditure on educational institutions, as a percentage, by level of education (2000, 2009).....	258	
Table B3.2b	Relative proportions of public and private expenditure on educational institutions, as a percentage, for tertiary education (2000, 2009).....	259	
Table B3.3	Trends in relative proportions of public expenditure on educational institutions and index of change between 1995 and 2009 (2000 = 100), for tertiary education (1995, 2000, 2005 and 2009).....	260	
Table B3.4	Annual public expenditure on educational institutions per student, by type of institution (2009).....	261	
Indicator B4	What is the total public spending on education?	262	B4
Table B4.1	Total public expenditure on education (2009).....	269	
Table B4.2	Sources of public educational funds, before and after transfers, by level of government for primary, secondary and post-secondary non-tertiary education (2009).....	270	
Table B4.3	Total public expenditure on education (1995, 2000, 2005, 2009).....	271	
Indicator B5	How much do tertiary students pay and what public support do they receive?	272	B5
Table B5.1	Estimated annual average tuition fees charged by tertiary-type A educational institutions for national students (academic year 2008-09).....	282	
Table B5.2	Distribution of financial aid to students compared to amount of tuition fees charged in tertiary-type A education (academic year 2008-09).....	284	
Table B5.3	Public support for households and other private entities as a percentage of total public expenditure on education and GDP, for tertiary education (2009).....	285	

			Number of the indicator in the 2011 edition
Indicator B6	On what resources and services is education funding spent?	286	B6
Table B6.1	Expenditure by educational institutions, by resource category in primary and secondary education (2009)	291	
Table B6.2	Expenditure by educational institutions, by resource category and level of education (2009)	292	
Indicator B7	Which factors influence the level of expenditure?	294	B7
Table B7.1a	Factors used to compute the salary cost of teachers per student, at the primary level of education (2000, 2010)	305	
Table B7.1b	Factors used to compute the salary cost of teachers per student, at the lower secondary level of education (2000, 2010)	306	
Table B7.1c	Factors used to compute the salary cost of teachers per student, at upper secondary level of education (2010)	307	
Table B7.2	Contribution, in USD, of various factors to salary cost of teachers per student at the primary level of education (2000, 2010)	308	
Table B7.3	Contribution, in USD, of various factors to salary cost of teachers per student at the lower secondary level of education (2000, 2010)	309	
Table B7.4	Contribution, in USD, of various factors to salary cost of teachers per student at the upper secondary level of education (2010)	310	
Table B7.5	Main reforms implemented between 1995 and 2009 on the four factors used to calculate the salary cost of teachers per student	311	
CHAPTER C	ACCESS TO EDUCATION, PARTICIPATION AND PROGRESSION	317	
Indicator C1	Who participates in education?	318	C1
Table C1.1a	Enrolment rates, by age (2010)	330	
Table C1.2	Trends in enrolment rates (1995-2010)	331	
Table C1.3	Upper secondary and post-secondary non-tertiary enrolment patterns (2010)	332	
Table C1.4	Students in primary and secondary education, by type of institution or mode of enrolment (2010)	333	
Table C1.5	Students in tertiary education, by type of institution or mode of enrolment (2010)	334	
Table C1.6	Projections of the number of students (2010, 2015 and 2020)	335	
Table C1.7a	Expected years in education from age 5 through age 39 (2010)	336	
Indicator C2	How do early childhood education systems differ around the world?	338	
Table C2.1	Enrolment rates in early childhood and primary education, by age (2005, 2010)	345	
Table C2.2	Characteristics of early childhood education programmes (2010)	346	
Table C2.3	Characteristics of education-only and integrated early childhood education programmes (2010)	347	
Indicator C3	How many students are expected to enter tertiary education?	348	C2
Table C3.1	Entry rates into tertiary education and age distribution of new entrants (2010)	355	
Table C3.2	Entry rates into tertiary education below the typical age of entry (2010)	356	
Table C3.3	Trends in entry rates at the tertiary level (1995-2010)	357	
Table C3.4	Distribution of tertiary new entrants, by field of education (2010)	358	

			Number of the indicator in the 2011 edition
Indicator C4	Who studies abroad and where?	360	C3
Table C4.1	Student mobility and foreign students in tertiary education (2005, 2010)	374	
Table C4.2	Distribution of international and foreign students enrolled in tertiary programmes, by field of education (2010)	375	
Table C4.3	Distribution of international and foreign students in tertiary education, by country of origin (2010)	376	
Table C4.4	Citizens studying abroad in tertiary education, by country of destination (2010)	378	
Table C4.5	Mobility patterns of foreign and international students (2010)	380	
Table C4.6	Trends in the number of foreign students enrolled outside their country of origin, by destination region and origin (2000 to 2010)	381	
Indicator C5	Transition from school to work: where are the 15-29 year-olds?	382	C4
Table C5.1a	Expected years in education and not in education for 15-29 year-olds (2010)	393	
Table C5.2a	Percentage of 15-29 year-olds in education and not in education, by 5-year age group and work status (2010)	395	
Table C5.2d	Percentage of 15-29 year-olds in education and not in education, by educational attainment and work status (2010)	398	
Table C5.4a	Trends in the percentage of the youth population in education and not in education (1997-2010)	401	
Indicator C6	How many adults participate in education and learning?	408	C5
Table C6.1	Total annual labour costs of employer-sponsored non-formal education and annual costs per participant (2007)	418	
Table C6.3	Expected cost of working time devoted to employer-sponsored non-formal education over the working life and ratio to annual labour cost (2007)	419	
Table C6.4a	Participation in non-formal education and purpose of non-formal education, for 25-34 and 55-64 year-olds (2007)	420	
Table C6.11	Percentage of 55-64 year-olds and 65-74 year-olds who have participated in formal and/or non-formal education (2007)	421	
CHAPTER D	THE LEARNING ENVIRONMENT AND ORGANISATION OF SCHOOLS	423	
Indicator D1	How much time do students spend in the classroom?	424	D1
Table D1.1	Compulsory and intended instruction time in public institutions (2010)	435	
Table D1.2a	Instruction time per subject as a percentage of total compulsory instruction time for 7-8 year-olds (2010)	436	
Table D1.2b	Instruction time per subject as a percentage of total compulsory instruction time for 9-11 year-olds (2010)	437	
Table D1.2c	Instruction time per subject as a percentage of total compulsory instruction time for 12-14 year-olds (2010)	438	
Indicator D2	What is the student-teacher ratio and how big are classes?	440	D2
Table D2.1	Average class size, by type of institution and level of education (2010)	450	
Table D2.2	Ratio of students to teaching staff in educational institutions (2010)	451	
Table D2.3	Ratio of students to teaching staff, by type of institution (2010)	452	
Table D2.4a	Teaching staff and non-teaching staff employed in primary, secondary and post-secondary non-tertiary education institutions (2010)	453	
Table D2.4b	Teaching staff and non-teaching staff employed in tertiary education institutions (2010)	454	

			Number of the indicator in the 2011 edition
Indicator D3	How much are teachers paid?	456	D3
Table D3.1	Teachers' salaries (2010)	465	
Table D3.2	Trends in teachers' salaries between 2000 and 2010 (2000 = 100)	468	
Table D3.3a	Decisions on payments for teachers in public institutions (2010)	469	
Indicator D4	How much time do teachers spend teaching?	472	D4
Table D4.1	Organisation of teachers' working time (2010)	481	
Table D4.2	Number of teaching hours per year (2000, 2005, 2010)	482	
Indicator D5	Who are the teachers?	484	
Table D5.1	Age distribution of teachers (2010)	493	
Table D5.2	Age distribution of teachers (1998, 2010)	494	
Table D5.3	Gender distribution of teachers (2010)	495	
Table D5.4	Pre-service teacher-training requirements in public institutions (2010)	496	
Table D5.5	Requirements to enter the teaching profession in public institutions (2010)	498	
Indicator D6	Who makes key decisions in education systems?	500	
Table D6.1	Percentage of decisions taken at each level of government in public lower secondary education (2011)	512	
Table D6.2a	Percentage of decisions taken at each level of government in public lower secondary education, by domain (2011)	513	
Table D6.2b	Percentage of decisions taken at each level of government in public lower secondary education, by domain (2011)	514	
Table D6.3	Percentage of decisions taken at the school level in public lower secondary education, by mode of decision making (2011)	515	
Table D6.4a	Percentage of decisions taken at the school level in public lower secondary education, by mode of decision making and domain (2011)	516	
Table D6.4b	Percentage of decisions taken at the school level in public lower secondary education, by mode of decision making and domain (2011)	517	
Table D6.5	Trends in the percentage of decisions taken at each level of government in public lower secondary education (2003, 2007, 2011)	518	
Indicator D7	What are the pathways and gateways to gain access to secondary and tertiary education?	520	
Table D7.1a	National examinations at the upper secondary level (2011)	529	
Table D7.2a	Other (non-national) standardised examinations that are administered in multiple upper secondary schools (2011)	531	
Table D7.3a	Entrance examinations to enter the first stage of tertiary education (2011)	533	
Table D7.4a	Factors, criteria or special circumstances used by tertiary institutions to determine access to the first stage of tertiary education (2011)	534	
ANNEX 1	CHARACTERISTICS OF EDUCATIONAL SYSTEMS	535	
Table X1.1a	Upper secondary graduation rate: Typical graduation ages and method used to calculate graduation rates (2010)	536	
Table X1.1b	Post-secondary non-tertiary graduation rates: Typical graduation ages and method used to calculate graduation rates (2010)	538	
Table X1.1c	Tertiary graduation rate: Typical graduation ages and method used to calculate graduation rates (2010)	539	

TABLE OF CONTENTS

		Number of the indicator in the 2011 edition
Table X1.1d	Tertiary entry rate: Typical age of entry and method used to calculate entry rates (2010).....	541
Table X1.2a	School year and financial year used for the calculation of indicators, OECD countries.....	542
Table X1.2b	School year and financial year used for the calculation of indicators, other G20 countries.....	543
ANNEX 2	REFERENCE STATISTICS	545
Table X2.1	Overview of the economic context using basic variables (reference period: calendar year 2009, 2009 current prices).....	546
Table X2.2a	Basic reference statistics (reference period: calendar year 2009, 2009 current prices).....	547
Table X2.2b	Basic reference statistics (reference period: calendar year 1995, 2000, 2005 current prices).....	548
Table X2.3a	Teachers' salaries in national currency (2010).....	549
Table X2.3b	Trends in teachers' salaries in national currency, by level of education (2000, 2005-10).....	551
Table X2.3c	Reference statistics used in the calculation of teachers' salaries (2000, 2005-10).....	553
ANNEX 3	SOURCES, METHODS AND TECHNICAL NOTES	557
Contributors to this publication.....		559
Related OECD publications.....		565