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Institute for Statistics



2022 round to collect data for the SDG fourth goal

Training seminar on indicators of the fourth goal of sustainable development for Arab countries

9-11 May 2022



Overview

Data collection methods used by the UNESCO Institute for Statistics (UIS)

UNESCO-UIS Formal Education Survey:

- Objectives
- Content
- Time framework
- Means to ensure Data Quality
- Data dissemination and use
- Survey overview 2022

The main role of the UNESCO-IIS in monitoring of SDG 4 – education 2030

The Education 2030 Framework for Action acknowledged that the UNESCO Institute for Statistics remains “the official source for cross-national comparable data on education”.

The Education 2030 Framework for Action clearly recognized that “in addition to data collection, the UIS will work with partners to develop new indicators, statistical approaches, and monitoring tools to better assess the progress of the goals related to UNESCO's mandate, working in coordination with the Education 2030 Steering Committee.”

Data Collection Methods Used by UNESCO-UIS

- Annual surveys of member states:
 - Formal Education Survey (Annual)
 - Literacy and Educational Attainment Surveys (every two years)
- Collect data from partner organizations:
 - Organization for Economic Co-operation and Development
 - United Nations Children's Fund - UNICEF
 - World Bank
 - International Monetary Fund
 - United Nations Population Division
 - and other organizations

Types of Data Collected by UNESCO-UIS

- Data based on administrative records (e.g., school censuses)
- Data based on household surveys (e.g., MICS, DHS)
- Learning assessment surveys (e.g., PISA, TIMSS, PIRLS)

Objectives of UNESCO-UIS Survey of Formal Education

Required data are collected to:

Produce the indicators required to monitor SDG 4 - Education 2030 Framework for Action at the national, regional, thematic and global level.

Produce comparable cross-country education statistics needed to analyze and monitor the development of educational systems by Member States, International Organizations, Donor agencies, academia, and others

Survey content

The survey consists of the following four questionnaires:

- UIS/ED/ISC11 Questionnaire: National Education Systems
- UIS/ED/A Questionnaire: Students and Teachers (ISCED 0-4)
- UIS/ED/B Questionnaire: Educational Expenditure (ISCED 0-8)
- UIS/ED/C Questionnaire: Students and Teachers (ISCED 5-8)

The survey collects internationally comparable data on key aspects of education systems, such as: structure and characteristics, enrollment, participation, progress and completion, school resources, as well as the relevant human and financial resources allocated to them.

Survey Time Frame

These are the key annual dates for the 2022 survey:

- **January:** launched the survey
- **March:** Deadline for sending non-financial data
- **April:** First official reminder
- **April:** Deadline for sending data on education financing
- **June:** Second official reminder

Data Release

The UNESCO Institute for Statistics releases data from the Formal Education Survey twice a year:

- **March:** Update data to include latest country data on the last survey or early data on the current survey.
- **September:** Major release of data survey

Mechanisms to ensure data quality used by UNESCO-UIS:

- Automatic logical consistency checks built into each survey to detect any data issues
- Logical controls integrated into the UIS data processing tools
- Based on the problems found during the data processing process by UIS, data reports are sent to the national statisticians and their answers are taken into account.
- Review of SDG4 indicators by national statisticians before they are published by UNESCO-UIS.

How does the UNESCO-UIS ensure international comparability of data and indicators?

- Data are reported according to the classification of national programs and fields of education in the International Standard Classification of Education (ISCED 2011 and ISCED-F 2013).
- A common source for population data (United Nations Population Division) to produce population-based indicators.
- A common source of economic data for all countries (UNSD, World Bank, International Monetary Fund) to produce indicators on education financing.
- The same methodology for calculating the indicators applied to all countries

Data Release

Data is published online for data users on the following UIS platforms:

- Data Center of the UNESCO-UIS.Stat:

<http://data.uis.unesco.org/>

- UIS Developer Portal, Bulk Data Download Service :

<https://apiportal.uis.unesco.org/bdds>

- UIS data is also a part of other online databases -but not limited to:

SDG Global Database (managed by United Nations Statistics Division)

<https://unstats.un.org/sdgs/indicators/database>

Education Statistics -EdStats (managed by World Bank):

<http://datatopics.worldbank.org/education/>

Leading International Publications Using UNESCO-UIS Data

UIS data is used in many of the leading international reports – including not exclusively to:

- Summary of **SDG 4 Data Digest** by the UNESCO–UIS:
http://uis.unesco.org/sites/default/files/documents/sdg4-data-digest-2019-en_0.pdf
- The Sustainable Development Goals Report: <https://unstats.un.org/sdgs/report/2020/>
- Global Education Monitoring Report: <http://en.unesco.org/gem-report/>
- Human Development Reports: <http://hdr.undp.org/>
- Global Innovation Index: <https://www.globalinnovationindex.org/Home>
- and others

Overview on 2022 Questionnaires

UIS/ED/ISC11 Questionnaire: National Education Systems

The 2022 Questionnaire has not changed in comparison with 2021 Questionnaire

UIS/ED/ISC11 Questionnaire: National Education Systems

Table 1: Classification of national programs according to ISCED

TABLE 1: NATIONAL EDUCATION PROGRAMMES ACCORDING TO ISCED 2011														Country Name/البلد/اسم	
Programme information (All formal education programmes (including formal adult education)) معلومات البرنامج (كافة برامج التعليم النظامي بما فيها برامج تعليم الكبار)										Classification according to ISCED 2011 تصنيف البرنامج حسب إسكد 2011					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Name of the programme in national language اسم البرنامج التعليمي (باللغة الوطنية)	Name of the programme in English (باللغة الإنجليزية/الفرنسية)	Minimum entrance requirements if applicable, in national language شروط الدخول الأساسية (باللغة الوطنية)	Minimum entrance requirements if applicable, in English شروط الدخول الأساسية (باللغة الإنجليزية/الفرنسية)	Name of the qualification awarded at end of programme in national language fill in multiple lines if more than one (qualification) اسم المؤهل الممنوح عند إتمام البرنامج باللغة الوطنية (الذكر كافة المؤهلات في حال أكثر من واحد)	Name of the qualification awarded at end of programme in English fill in multiple lines if more than one (qualification) اسم المؤهل الممنوح عند إتمام البرنامج باللغة الإنجليزية/الفرنسية (الذكر كافة المؤهلات في حال أكثر من واحد)	Theoretical entrance age السن النظرية للدخول	Theoretical duration (بالسنوات) مدة الدراسة النظرية	ISCED 2011 level مستوى إسكد 2011	ISCED 2011 type or orientation where (applicable) نوع البرنامج حسب إسكد 2011 (ينطبق)	ISCED 2011 level completion and position in national degree structure (where applicable) إتمام المستوى ومرتبة الشهادة في البنية الوطنية للشهادات والمؤهلات (حيثما ينطبق)	Does the programme provide direct access to higher ISCED level(s)? (for levels 2-4 2011 only) هل يؤدي البرنامج إلى مستوى أعلى من إسكد بشكل مباشر (للمستويات من إسكد 2 إلى 4)	Minimum ISCED level of 2011 training required to teach that programme مستوى إسكد للحد الأدنى من المؤهلات المطلوبة للتدريس على هذا المستوى	Notes ملاحظات	ISCED 2011 Programme three-digit code رمز البرنامج الثلاثي حسب تصنيف إسكد 2011	ISCED 2011 Educational Attainment three-digit code رمز التحصيل التعليمي للبرنامج حسب تصنيف إسكد 2011

UIS/ED/ISC11 Questionnaire: National Education Systems

Table No. 2: Number of years of education (a) compulsory and (b) free

TABLE 2: FREE AND COMPULSORY EDUCATION				
1: Compulsory education				
<i>Compulsory education is defined as the age-span during which children and young people are legally obliged to attend school.</i>				
1.1 Is compulsory education part of the legislation or education laws in this country?			<input type="text" value="(please select)"/>	
1.2 If yes, what is the age-span that is covered by this legislation or law?				
	Age-span of compulsory education			
	Starting age	Ending age	Duration	
Compulsory education				
1.3 Please provide the reference (article, section, etc.) to the legislation or education laws related to compulsory education:				
<i>If information is available online, please also provide a website address</i>				
<input type="text"/>				
Please add any additional comments on this section, if needed:				
<input type="text"/>				
2: Free education				
<i>Free education refers to the years or grades during which children and young people are entitled to education which is free of tuition fees.</i>				
2.1 Is the provision of free education (i.e. free from tuition fees) part of the legislation or education laws in this country?			<input type="text" value="(please select)"/>	
2.2 If yes, please provide number of years/grades in pre-primary, primary and secondary covered by this legislation or law:				
	Number of tuition-free years/grades			
	Pre-primary ISCED 02	Primary ISCED 1	Secondary ISCED 2 and 3	Total
Free education				
2.3 Please provide the reference (article, section, etc.) to the legislation or education laws related to free education:				
<i>If information is available online, please also provide a website address</i>				
<input type="text" value="www.moe.gov.bh"/>				
Please add any additional comments on this section, if needed:				
<input type="text"/>				

UIS/ED/A Questionnaire: Students and Teachers (ISCED 0-4)

Changes in the 2022 Questionnaire compared to the previous Questionnaire 2021

Table	Change
A6	Data and reference to Upper Secondary (ISCED34) students and repeaters were hidden because the data are no longer collected by the UIS
A9	Data and reference to the Full-Time Equivalents (FTE) number of classroom teachers were hidden because the data are no longer collected by the UIS (rows 26-29)
A10	Data and reference to the Full-Time Equivalents (FTE) number of classroom qualified and trained teachers were hidden because the data are no longer collected by the UIS (rows 37-45)
A10 - Metadata	New metadata table added to allow the interpretation of data reported in A10
A11	References and data to starting teacher has been hidden (rows 14-15) because data is no longer required

UIS/ED/A Questionnaire: Students and Teachers (ISCED 0-4)

A2: Number of students by level of education, intensity of participation, type of institution and sex

Students Full- and part-time		Early childhood education						Primary			Lower secondary						
		Early childhood educational development		Pre-primary		All programmes		All programmes			General		Vocational		All programmes		
		ISCED 01		ISCED 02		ISCED 0		ISCED 1			ISCED 24		ISCED 25		ISCED 2		
Public institutions	Males																
	Females																
	Males and females																
Private institutions	Males																
	Females																
	Males and females																
Total	Males																
	Females																
	Males and females																

UIS/ED/A Questionnaire: Students and Teachers (ISCED 0-4)

A3: Number of students by level of education, age and sex

المرحلة الأولى من التعليم الثانوي			التعليم الابتدائي	تعليم الطفولة المبكرة			الطلاب	
كافة البرامج	مهني	عام	كافة البرامج	كافة البرامج	التعليم ما قبل الابتدائي	تنمية الطفولة المبكرة	بنوam كامل وحزائي	
إسكد 2	إسكد 25	إسكد 24	إسكد 1	إسكد 0	إسكد 02	إسكد 01	السن	الجنس
							<2	ذكور
							2	
							3	
							4	
							5	
							6	
							7	
							8	
							9	
							10	
							11	
							12	
							13	
							14	
							15	
							16	
							17	
							18	
							19	
							20	
							21	
							22	
							23	
							24	
							25-29	
							> 29	
							سن غير محددة	
							المجموع	

UIS/ED/A Questionnaire: Students and Teachers (ISCED 0-4)

A5: Number of students and repeaters in initial primary education by age, grade and sex

A6: Number of students and repeaters in initial lower secondary general education by grade, age and sex

Students Full- and part-time		Formal initial general education only																
		Lower secondary (ISCED 24)																
Sex	Age	Grade 1		Grade 2		Grade 3		Grade 4		Grade 5		Grade 6		Unspecified or residual grade		TOTAL		
Males	< 10																	
	10																	
	11																	
	12																	
	13																	
	14																	
	15																	
	16																	
	17																	
	18																	
	19																	
	20																	
	21																	
	22																	
	23																	
	24																	
	> 24																	
Age unknown																		
TOTAL																		
Of which: repeaters																		

UIS/ED/A Questionnaire: Students and Teachers (ISCED 0-4)

A9: Number of classroom teachers by teaching level of education, type of institution and sex

Classroom teachers		Early childhood education							
		Early childhood educational development		Pre-primary		All progra			
		ISCED 01		ISCED 02		ISCED			
Full- and part-time:									
Public institutions	Males								
	Females								
	Males and females								
Private institutions	Males								
	Females								
	Males and females								
Total	Males								
	Females								
	Males and females								
<i>Of which: newly recruited</i>	Males								
	Females								
	Males and females								

UIS/ED/A Questionnaire: Students and Teachers (ISCED 0-4)

A10: Number of classroom teachers by qualified and trained status, teaching level of education, type of institution and sex

تعليم الطفولة المبكرة		المدرّسون			المدرسون المؤهلون
التعليم ما قبل الإبتدائي	تنمية الطفولة المبكرة	بدوام كامل وجزئي			
إسكد 02	إسكد 01	ذكور وإناث	ذكور	إناث	
					مؤسسات تعليمية خاصة
					مؤسسات تعليمية حكومية
					مؤسسات تعليمية خاصة
					المجموع

UIS/ED/A Questionnaire: Students and Teachers (ISCED 0-4)

A10 metadata: National definitions of trained and qualified teachers used for data reported in table A-10

Metadata on trained teachers		Pre-primary ISCED 02
How are trained teachers defined in your country?	Please provide your national definition of trained teachers for each specific level of education	
	If applicable, please indicate the minimum ISCED level of academic qualification required to teach each specific level of education	
	If applicable, please indicate the minimum requirement in terms of duration of pre-service teaching practice (in weeks) for each specific level of education	
Metadata on qualified teachers		

UIS/ED/A Questionnaire: Students and Teachers (ISCED 0-4)

A11: Annual statutory teacher compensation (units of national currency) in public institutions, by teaching levels of education – all programmes (general and vocational)

Annual statutory teacher compensation	Pre-primary	Primary	Lower secondary	Upper secondary
	ISCED 02	ISCED 1	ISCED 2	ISCED 3
Teacher with typical qualifications and 15 years of experience				

UIS/ED/A Questionnaire: Students and Teachers (ISCED 0-4)

A12: Number of educational institutions by level of education and type of institution – all programmes (general and vocational)

Educational institutions	Primary			Lower secondary			Upper secondary		
	ISCED 1			ISCED 2			ISCED 3		
Public institutions									
Private institutions									
Total									

UIS/ED/A Questionnaire: Students and Teachers (ISCED 0-4)

A13: Number of educational institutions with ICT services, basic hygiene facilities and the provisioning of life skills based on HIV and sexuality education by level of education – all programmes (general and vocational)

Educational institutions		Primary			Lower secondary			Upper secondary		
		ISCED 1			ISCED 2			ISCED 3		
Public institutions	With electricity									
	With computer(s) for pedagogical purposes									
	With internet for pedagogical purposes									
	With improved toilets									
	<i>of which: single-sex toilets</i>									
	<i>of which: useable single-sex toilets</i>									
	With improved drinking water source									
	<i>of which: with drinking water available</i>									
	With handwashing facilities									
With adapted infrastructure and materials for students with disabilities										
Providing life skills-based HIV and sexuality education										
Private institutions	With electricity									
	With computer(s) for pedagogical purposes									
	With internet for pedagogical purposes									
	With improved toilets									
	<i>of which: single-sex toilets</i>									
	<i>of which: useable single-sex toilets</i>									
	With improved drinking water source									
	<i>of which: with drinking water available</i>									
	With handwashing facilities									
With adapted infrastructure and materials for students with disabilities										
Providing life skills-based HIV and sexuality education										

UIS/ED/B Questionnaire: Educational Expenditure (ISCED 0-8)

Changes in the 2022 Questionnaire compared to the previous Questionnaire

Table	Change
B2	<p>No longer collecting expenditure data disaggregated by Central Government, Regional Government or Local Government (rows 15-56 have been hidden). Government expenditure is now reported as consolidated for all levels of governments.</p> <p>No longer collecting data on government financial aid to students studying abroad (rows 71-72 have been hidden)</p>

UIS/ED/B Questionnaire: Educational Expenditure (ISCED 0-8)

B2: Actual expenditures on education by level of education, source and destination in instructional and non-instructional institutions

End of financial year:		<i>Financial year ending in 2021 or the most recent year available specified in VAL_</i>									
GOVERNMENT SOURCES		Early childhood educational development			Pre-primary			Primary			
		ISCED 01			ISCED 02			ISCED 1			
EXPENDITURE OF ALL LEVELS OF GOVERNMENT CONSOLIDATED											
Direct expenditure for educational institutions											
Direct expenditure for public institutions	G1										
Direct expenditure for private institutions	G4										
Total: Direct expenditure for all educational institutions	G5										
<i>of G5: Direct expenditure designated for capital</i>	G5a										
Transfers and payments for education to the private sector											
Subsidies to households and students	G12										
Transfers and payments to other non-educational private entities	G13										
Total: Transfers and payments to the private sector	G14										
Total: General government expenditure for education (all levels consolidated)											
Total: General government expenditure for education	G20										

UIS/ED/B Questionnaire: Educational Expenditure (ISCED 0-8)

B3: Actual expenditures on educational by level of education, type of institutions and nature in instructional and non-instructional institutions

End of financial year:		<i>Financial year ending in 2021 or the most recent year available specified in V</i>								
		Early childhood educational development			Pre-primary			Primary		
		ISCED 01			ISCED 02			ISCED 1		
EXPENDITURE IN PUBLIC INSTITUTIONS										
Current expenditure on staff compensation										
Teaching staff	X1									
Non-teaching staff	X5									
Total: Current expenditure on staff compensation	X6									
Current expenditure other than for staff compensation										
School books and teaching material	X10									
Ancillary services	X11									
Administration and other activities	X12									
Total: Current expenditure other than for staff compensation	X13									
Total: Current expenditure										
Total: Current expenditure	X14									
Capital expenditure										
Capital expenditure	X15									
Total: Expenditure in public institutions										

UIS/ED/C Questionnaire : Students and Teachers (ISCED 5-8)

Changes in the 2022 Questionnaire compared to the previous Questionnaire

Table	Change
C2	Student full-time equivalent data is no longer collected (line 23 hidden)
C5	Data for new students is no longer collected for the first time
C8	Full-time equivalent data for academic staff no longer collected (line 23 hidden)

UIS/ED/C Questionnaire : Students and Teachers (ISCED 5-8)

C2: Number of students by level of education, type of institution and sex

Students Full- and part-time		Short-cycle tertiary						Bachelor's or equivalent												
		All programmes			<i>Of which: Vocational programmes</i>			All programmes			<i>Of which: first tertiary programmes</i>									
		ISCED 5			ISCED 551 + 554			ISCED 6			ISCED 661 + 665 + 666									
Public institutions	Males																			
	Females																			
	Males and females																			
Private institutions	Males																			
	Females																			
	Males and females																			
Total	Males																			
	Females																			
	Males and females																			

UIS/ED/C Questionnaire : Students and Teachers (ISCED 5-8)

C5: Number of students in tertiary education by age and sex

Students Full- and part-time		Total tertiary			Short-cycle tertiary		
		All programmes			<i>Vocational programm only</i>		
Sex	Age	ISCED 5, 6, 7 and 8			ISCED 551 + 554		
	<15						
	15						
	16						
	17						
	18						
	19						
	20						
	21						
	22						
	23						
	24						
	25						

UIS/ED/C Questionnaire : Students and Teachers (ISCED 5-8)

C6: Number of internationally mobile students in tertiary education by country of origin and sex

Internationally mobile students (full- and part-time)			Total tertiary		
Sex	Region	Country	ISCED 5-8		
		Algeria			
		Angola			
		Benin			
		Botswana			
		Burkina Faso			
		Burundi			
		Cabo Verde			
		Cameroon			
		Central African Republic			
		Chad			
		Comoros			
		Congo			
		Côte d'Ivoire			
		Democratic Republic of the Congo			

UIS/ED/C Questionnaire : Students and Teachers (ISCED 5-8)

C7: Number of graduates by level of education, field and sex

Graduates		Short-cycle tertiary			Bachelor's or equivalent			Master's or equivalent								
		All programmes			All programmes			All programmes								
Sex	Fields of education	ISCED 5			ISCED 6			ISCED 665 + 666			ISCED 7			ISCED 766		
Males	01 Education															
	02 Arts and humanities															
	03 Social sciences, journalism and information															
	04 Business, administration and law															
	05 Natural sciences, mathematics and statistics															
	06 Information and communication technologies															
	07 Engineering, manufacturing and construction															
	08 Agriculture, forestry, fisheries and veterinary															
	09 Health and welfare															
	10 Services															

UIS/ED/C Questionnaire : Students and Teachers (ISCED 5-8)

C8: Number of academic staff by level of education, type of institution and sex

Academic staff Full- and part-time		Total tertiary			Of which: Short-cycle tertiary		
		ISCED 5-8			ISCED 5		
Public institutions	Males						
	Females						
	Males and females						
Private institutions	Males						
	Females						
	Males and females						
Total	Males						
	Females						
	Males and females						

Thank you

For more information about the UNESCO Institute for Statistics: <http://uis.unesco.org/>

For more information on the formal education survey: <http://uis.unesco.org/uis-questionnaires>



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