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Teaching staff at the primary, secondary and upper secondary levels

Proportion of teachers with minimum required qualifications (%)

Personnel enseignant au niveau primaire, secondaire et secondaire de deuxième cycle

Proportion d'enseignants avec les qualifications minimales requises (%)

Region, country or area Région, pays ou zone	Year Année	Primary education Enseignement primaire		Secondary education Enseignement secondaire		Upper secondary education Enseignement secondaire de deuxième cycle	
		Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)
Total, all countries or areas Total, tous pays ou zones	2010	28 679	...	32 197	...	14 341	...
	2015	31 188	84.5	33 475	...	14 597	...
	2019	* 32 646	81.0	* 36 526	78.0	* 15 733	...
Northern Africa Afrique septentrionale	2007	952	98.0	* 1 037	...	* 510	...
	2010	972	...	* 1 162	...	* 537	...
	2015	* 1 176	87.0	* 1 205	80.3	* 575	78.6
	2019	1 302	87.1	* 1 261	88.4	* 579	87.8
Sub-Saharan Africa Afrique subsaharienne	2010	3 168	69.9	* 1 868	60.0	* 745	53.3
	2011	3 375	66.2	* 2 182	51.3	* 970	42.0
	2015	4 070	63.3	* 2 669	48.8	* 1 108	...
	2016	* 4 190	63.5	* 2 636	50.6	* 1 043	...
	2017	* 4 343	65.8	* 2 728	...	* 1 082	...
	2018	* 4 479	65.7	* 2 785	...	...	...
	2019	* 4 577	65.1	...	...	...	...
Northern America Amérique septentrionale	2010	1 920	...	1 898	...	933	...
	2015	1 847	...	1 803	...	912	...
	*2018	1 896	...	1 842	...	926	...
Latin America & the Caribbean Amérique latine et Caraïbes	2007	2 876	90.0	3 247	84.2	1 386	84.6
	2010	2 923	89.5	3 553	...	1 554	...
	2015	3 019	90.7	3 885	83.9	* 1 735	...
	2018	3 031	91.0	3 911	83.9	* 1 802	...
	2019	* 3 083	82.6	* 3 912	...	* 1 818	...
Central Asia Asie centrale	2010	226	96.9	762	95.6	...	...
	2015	253	99.5	794	95.4	* 236	...
	2016	250	99.6	834	95.3	* 245	99.9
	2018	265	98.2	844	95.8	* 243	...
	2019	285	97.9	829	96.6	...	...
Eastern Asia Asie orientale	2010	6 658	...	7 434	...	3 320	...
	2015	6 579	...	7 281	...	3 246	...
	2019	7 094	...	7 413	...	3 249	...
South-central Asia Asie centrale et du Sud	2015	...	73.7	...	...	...	...
	2019	...	74.7	...	78.5	...	82.3
South-eastern Asia Asie du Sud-Est	2010	3 245	...	* 2 631	...	* 905	...
	2015	* 3 710	97.2	* 2 740	96.3	* 889	93.4
	2019	3 609	97.2	* 2 955	95.0	* 1 039	91.0
Southern Asia Asie méridionale	2010	* 5 275	...	5 611	...	2 966	...
	2015	6 055	72.6	5 740	...	2 646	...
	2019	6 149	73.6	7 879	76.6	3 493	80.7
Western Asia Asie occidentale	*2010	1 444	...	1 589	...	664	...
	2015	* 1 551	87.1	1 805	...	844	...
	2016	* 1 533	86.4	* 1 841	...	* 907	...
	*2019	1 525	...	1 897	...	874	...
Europe Europe	2010	2 674	...	* 5 471	...	* 2 372	...
	2015	2 733	...	5 331	...	* 2 301	...
	*2019	2 882	...	5 452	...	2 297	...
Oceania Océanie	*2010	175	...	...	...	...	...
	*2015	195	...	...	...	...	...
	*2017	202	...	...	...	...	...
Afghanistan Afghanistan	2007	110	...	33	...	9	...
	2010	119	...	...	...	...	...
	2015	143	...	83	...	31	...
	2018	134	...	92	...	34	...

Teaching staff at the primary, secondary and upper secondary levels (*continued*)
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Personnel enseignant au niveau primaire, secondaire et secondaire de deuxième cycle (*suite*)
 Proportion d'enseignants avec les qualifications minimales requises (%)

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Albania	2010	11	...	24	...	8	...
Albanie	2015	10	...	23	...	9	...
	2018	10	89.9	24	...	9	...
	2019	10	...	24	...	9	...
Algeria	2007	171	98.9
Algérie	2010	142
	2015	165	100.0
	2019	223
Andorra	2005	~0	...	~0	...	~0	...
Andorre	2010	~0	100.0
	2015	~0	100.0	1	100.0
	2019	~0	100.0	1	100.0
Angola	2010	94
Angola	2011	118	47.5	32	...	15	...
	2015	112	...	73	51.5	22	46.7
	2016	96	...	76	...	23	...
Anguilla	2007	~0	53.6	~0	60.4
Anguilla	2010	~0	52.7
	2011	~0	71.2	~0	57.3
	2019	~0	...	~0
Antigua and Barbuda	2010	1	54.8	1	42.9	~0	48.3
Antigua-et-Barbuda	2014	1	70.2	1	55.2
	2015	1	65.3	1	...	1 ¹	...
	2018	1	52.8	1	47.7
Argentina							
Argentine	2008	289	...	324	...	171	...
Armenia	2005	6	77.5
Arménie	2007	7
	2019	7	73.6	25	74.6	14	75.4
Aruba	2010	1	100.0	1	96.2
Aruba	2012	1	99.5	1	95.9
Austria	2010	30	...	75	...	32	...
Autriche	2015	31	...	72	...	30	...
	2019	32	...	74	...	30	...
Azerbaijan	2010	44	100.0
Azerbaïdjan	2015	41	99.3
	2019	41	99.8	123	...	32	70.6
Bahamas	2010	2	91.5	3	89.0	1	89.0
Bahamas	2015	2	89.6	2	84.7	1	86.3
	2018	2	89.8	2	83.1	1	85.1
Bahrain	2015	9	82.5	9	83.2	5	83.7
Bahrein	2019	9	100.0	10	100.0	5	100.0
Bangladesh	2009	361	58.4	387	...	179	41.7
Bangladesh	2010	395	...	400	...	195	40.7
	2013	378	58.0	174	56.2
	2015	528	47.6
	2017	574	50.4	451	66.5	221	...
	2018	* 577	...	452	...	257	...
	2019	407	60.9	214	66.3
Barbados	2006	1	57.1
Barbade	2010	* 2	58.5
	2015	2	65.8	1	52.3	1	52.4
	2019	1	75.1	1	51.9	1	51.9
Belarus	2010	24	99.8
Bélarus	2015	22	99.4	77	96.0	23	91.5
	2018	22	99.6	76	96.6	22	91.5

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Belgium Belgique	2010	66
	2015	70	...	129	...	81	...
	2018	73	...	132	...	83	...
Belize	2010	2	45.2	2	37.8	1	34.4
Belize	2015	3	67.5	2	47.2	1	39.6
	2016	3	72.8	2	54.1	1	44.1
	2019	3	...	2	65.8	1	64.9
Benin Bénin	2010	39	42.6
	2014	46	67.6	90	...	30	...
	2015	50	69.1	93	20.0
	2016	54	70.4	90	18.0
	2019	53	71.2
Bermuda Bermudes	2006	1	100.0	1	100.0	-0	100.0
	2010	1	...	1	...	-0	...
	2014	1	100.0	1	100.0	-0	100.0
	2015	-0	...	1	...	-0	...
	2016	-0	100.0	1	100.0	-0	100.0
Bhutan Bhoutan	2008	4	91.5	2	83.3	1	72.2
	2010	4	...	3	...	1	...
	2015	2	100.0	6	100.0	2	100.0
	2018	3	100.0	* 7	100.0	* 3	100.0
Bolivia (Plurin. State of) Bolivie (État plurin. de)	2015	79	86.6	60	83.5
	2018	77	90.4	67	88.7
Bosnia and Herzegovina Bosnie-Herzégovine	2010	12	...
	2015	9	...	27	...	13	...
	2019	9	...	27	...	13	...
Botswana Botswana	2007	13	97.4	13	99.1
	2009	13	100.0
	2013	15	98.6
	2015	15
Brazil Brésil	2010	762	...	1 413	...	619	...
	2015	792	...	1 429	...	639	...
	2018	799	...	1 380	...	617	...
British Virgin Islands Îles Vierges britanniques	2007	-0	71.6	-0	...	-0	...
	2010	-0	...	-0	...	-0	...
	2011	-0	...	-0	...	-0	...
	2015	-0	91.6	-0	88.8
	2018	-0	95.1	-0	99.2
Brunei Darussalam Brunéi Darussalam	2005	5	84.5	4	85.2	* 2	...
	2009	4	84.1	5	88.4
	2010	4	87.1
	2015	4	82.3	5	90.7	4	90.1
	2019	4	86.6	5	90.3	4	90.6
Bulgaria Bulgarie	2010	15	...	44	...	26	...
	2014	15	...	39	...	22	...
	2018	19	...	39	...	21	...
Burkina Faso Burkina Faso	2009	39	86.1	18	50.0	6	50.4
	2010	39	...	18
	2015	64	85.4	38	60.0
	2019	82	88.6	60	60.8	13	60.8
Burundi Burundi	2009	34	91.2	11	...	2	...
	2010	37	...	11
	2015	48	100.0	19	100.0	6	100.0
	2018	51	100.0	25	100.0	15	100.0
	2019	52	100.0	26	...	15	...

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Cabo Verde	2010	3	90.0	4	81.3	1	100.0
Cabo Verde	2014	3	96.0	4	86.9	2	100.0
	2015	3	...	4
	2018	3	98.6	3	96.0	1	96.3
Cambodia	2007	49	98.4	30	99.4	10	99.8
Cambodge	2010	47	99.1
	2015	48	100.0
	2019	52	100.0
Cameroon	2008	70	...	43
Cameroon	2010	77	57.4
	2012	84	78.8	80
	2015	105	...	106	53.2	47	57.0
	2016	105	...	115	...	51	...
	2017	98	81.2
	2019	97
Canada	2010	147	...
Canada	2015	169	...
	2018	142	...
Cayman Islands	2006	~0	97.2	~0	99.7	~0	99.4
Îles Caïmanes	2008	~0	95.8	~0	98.3
	2012	~0	97.0	1	99.0	~0	99.1
	2013	~0	88.1
	2018	~0	100.0	~0	100.0	~0	100.0
Central African Republic	2010	8	...	2
République centrafricaine	2012	8	...	2
	2016	10	...	3	45.4
	2017	4
Chad	2010	28	70.2	13	...	6	...
Tchad	2013	37	65.0	15	53.0
	2015	41	...	19	...	8	...
	2016	39	...	20	44.0	9	49.3
	2018	44	...	20	...	10	...
	2019	45	...	23
Chile	2010	66	...	69	...	47	...
Chili	2015	80	...	80	...	53	...
	2018	88	...	84	...	57	...
China	2010	5 997	...	6 417	...	2 759	...
Chine	2015	5 889	...	6 234	...	2 669	...
	2019	6 364	...	6 475	...	2 763	...
China, Hong Kong SAR	2010	23	95.6	* 30	94.2
Chine, RAS de Hong Kong	2015	24	96.2	* 30	96.6
	2019	29	96.0	31	96.2
China, Macao SAR	2010	2	84.7	2	71.2	1	72.7
Chine, RAS de Macao	2015	2	96.2	3	87.4	1	87.4
	2019	2	98.9	3	92.8	1	93.9
Colombia	2010	181	100.0	187	96.5	65	96.6
Colombie	2015	185	94.0	181	97.5	51	98.1
	2019	185	97.5	188	99.2	57	99.3
Comoros	2008	4	57.4
Comores	2011	4	55.2
	2013	4	...	8	...	4	...
	2014	8	...	4	...
	2018	4	...	9	...	3	...
Congo	2010	14	86.8
Congo	2012	17	80.3	18	59.2	6	84.2
	2018	28	...	26	...	7	...

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Cook Islands Îles Cook	2007	~0	79.2	~0	78.9
	2010	~0	...	~0
	2015	~0	99.0	~0	98.4
	2019	~0	100.0	~0	100.0
Costa Rica Costa Rica	2010	29	89.5	27	87.9	8	87.7
	2015	37	93.9	33	96.3	12	95.6
	2019	43	94.5	38	97.0	16	97.0
Côte d'Ivoire Côte d'Ivoire	2009	57	100.0
	2014	75	84.9	64	100.0
	2015	80	100.0
	2019	96	100.0	77	100.0
Croatia Croatie	2010	12	...	48	...	26	...
	2015	12	...	51	...	28	...
	2018	12	...	52	...	28	...
Cuba Cuba	2010	93	100.0	85	100.0	45	100.0
	2015	84	100.0	91	100.0	48	100.0
	2019	81	100.0	80	100.0	43	100.0
Cyprus Chypre	2010	4	...	7	...	3	...
	2015	5	...	6	...	3	...
	2018	5	...	7	...	4	...
Czechia Tchéquie	2010	25	...	76	...	43	...
	2013	26	...	69	...	37	...
Dem. People's Rep. Korea Rép. pop. dém. de Corée	2009	70	...	124
	2015	123	...	68	...
	2018	74	...	124	...	69	...
Dem. Rep. of the Congo Rép. dém. du Congo	2010	286	91.7	218	32.5
	2014	383	94.6	301	23.5
	2015	415	...	324
	2018	544	92.0	378	58.0
Denmark Danemark	2014	44	...	49	...	25	...
	2018	47	...	54	...	27	...
Djibouti Djibouti	2009	2	100.0	1	...	* 1	...
	2015	2	100.0	3	100.0	1	100.0
	2018	2	100.0	3	...	1	...
	2019	2	...	1	...
Dominica Dominique	2010	1	60.8	1	38.7	~0	45.5
	2014	1	64.8	1	46.3	~0	46.5
	2015	1	64.5	1	45.4
	2016	1	65.7	1	48.6	~0	48.7
	2019	1	62.9	~0	45.0
Dominican Republic République dominicaine	2010	52	84.9	32	90.2	20	93.3
	2015	71	87.3	42	82.8	25	79.4
	2018	65	94.9
	2019	66	...	53	...	38	...
Ecuador Équateur	2007	90	71.6	78	70.5	33	70.4
	2010	96	...	83	...	40	...
	2015	80	...	86	...	43	...
	2018	80	...	92	...	49	...
Egypt Égypte	2009	382	...	549	...	277	...
	2010	380	269	...
	2019	531	84.6	594	82.9	289	81.2
El Salvador El Salvador	2009	31	92.7	23	92.8	8	92.5
	2015	25	95.6	19	92.0	8	90.1
	2018	25	95.5	19	92.5	8	91.5
Equatorial Guinea Guinée équatoriale	2005	1	24.7
	2010	3	45.3
	2015	4	37.2

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Eritrea Érythrée	2010	8	93.8	6	66.8	3	75.2
	2013	9	79.9	7	83.2	3	80.0
	2014	* 9	70.7	* 7	...	* 3	...
	2015	8	...	6	...	3	...
	2018	9	84.5	7	...	3	...
Estonia Estonie	2010	6	...	11	...	6	...
	2013	7	...	10	...	5	...
	2018	8	...	9	...	4	...
Eswatini Eswatini	2010	7	79.3	5	73.0
	2015	9	82.1	6	73.2
	2016	9	66.9	7
	2017	9	87.7
	2018	9
Ethiopia Éthiopie	2008	215	89.7	80	64.1	14	61.7
	2009	234	84.6	82	...	15	74.5
	2010	252	...	98	...	18	...
	2011	260	...	113	...	24	...
	2012	* 122	...	25	86.4
	2015	18	100.0
Fiji Fidji	2007	4	96.1
	2008	4	97.8	5	...	2	94.8
	2012	4	100.0	5	100.0	3	100.0
	2019	6	92.3
Finland Finlande	2010	25	...	43	...	23	...
	2014	26	...	42	...	22	...
	2019	27	...	40	...	19	...
France France	2010	234	...	463	...	234	...
	2013	229	...	457	...	230	...
	2019	247	...	458	...	216	...
Gabon Gabon	2011	13
Gambia Gambie	*2010	6
	2015	8	85.8	6	91.7	2	94.0
	2019	10	87.8	8	95.9	3	97.0
Georgia Géorgie	2009	* 34	94.6	* 45	94.7	* 23	94.8
	2015	32	...	38	...	19	...
	2019	35	...	39	...	21	...
Germany Allemagne	2010	242	...	594	...	184	...
	2015	236	...	586	...	175	...
	2018	245	...	587	...	174	...
Ghana Ghana	2010	* 121	50.6	* 112	70.4	* 31	82.6
	2015	139	54.7	147	73.7	43	82.9
	2018	162	60.4	167	77.1	44	88.2
	2019	169	61.5	188	...	60	85.1
Gibraltar Gibraltar	2009	~0	99.5	~0	95.4	~0	100.0
	2017	~0	100.0	~0	98.6	~0	96.7
	2019	~0
Greece Grèce	2007	62	...	87	...	44	...
	2015	67	...	76	...	37	...
	2018	71	...	79	...	37	...
Grenada Grenade	2010	1	65.3	1	25.3
	2015	1	63.6	1	41.8	~0	41.7
	2018	1	62.9	1	46.3	~0	46.5
Guatemala Guatemala	2010	99	...	77	...	30	...
	2014	105	...	92	...	38	...
	2019	116	...	98	...	53	...

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Guinea Guinée	2008	31	82.1	16	90.8	6	94.5
	2010	34
	2011	35	80.4	19	...	7	...
	2015	36	75.7
	2016	38	75.4
Guinea-Bissau Guinée-Bissau	2006	4	...	1
	2010	5	38.9
Guyana Guyana	2009	4	63.7	4	55.1	1	49.9
	2010	4	66.1	4	57.4	1	...
	2012	4	69.6	4	...	1	...
Holy See Saint-Siège	2010	...	0.0	...	0.0	...	0.0
	2015	...	0.0	...	0.0	...	0.0
	2019	...	0.0	...	0.0	...	0.0
Honduras Honduras	2008	38	18	61.6
	2009	37
	2015	40	...	40	...	18	...
	2019	44	...	47	...	23	...
Hungary Hongrie	2010	37	...	89	...	48	...
	2015	36	...	80	...	41	...
	2016	37	...	81	...	41	...
Iceland Islande	2010	2	...
	2012	3	2	...
	2015	3
	2018	3
India Inde	2010	4 252	...	2 339	...
	2015	4 399	...	4 093	...	1 910	...
	2019	4 339	73.1	6 103	75.6	2 742	76.2
Indonesia Indonésie	2010	1 596	...	1 641	...	725	...
	2014	1 802	...	1 460	...	597	...
	2018	1 727	...	1 637	...	747	...
	*2019	1 772
Iran (Islamic Republic of) Iran (Rép. islamique d')	2008	* 268	98.4
	2009	278
	2014	287	100.0	331	100.0	200	100.0
	2015	286	100.0
	2017	286	100.0	299	97.5	152	95.1
Iraq Iraq	2007	287	...	148
Ireland Irlande	2010	32
	2012	32
Israel Israël	2009	* 60	...	* 71	...	42	...
	2010	62
	2015	73
	2018	77
Italy Italie	2007	273	...	451	...	260	...
	2015	237	...	408	...	242	...
	2018	253	...	461	...	287 ¹	...
Jamaica Jamaïque	2010	18
	2015	12	93.4	13	85.2
	2019	11	100.0	13	100.0
Japan Japon	2010	399	...	614	...	344	...
	2015	410	...	634	...	353	...
	2018	423	...	637	...	356	...
Jordan Jordanie	2008	16	...
	2014	58	100.0	51	100.0	23	100.0
	2019	70	100.0	58	100.0	24	100.0

Teaching staff at the primary, secondary and upper secondary levels (*continued*)

Proportion of teachers with minimum required qualifications (%)

Personnel enseignant au niveau primaire, secondaire et secondaire de deuxième cycle (*suite*)

Proportion d'enseignants avec les qualifications minimales requises (%)

Region, country or area Région, pays ou zone	Year Année	Primary education Enseignement primaire		Secondary education Enseignement secondaire		Upper secondary education Enseignement secondaire de deuxième cycle	
		Total Totale (^{'000})	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale (^{'000})	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale (^{'000})	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)
Kazakhstan	2010	59	...	...	...	...	...
Kazakhstan	2015	74	100.0	224	100.0	...	...
	2019	85	100.0	251	100.0	...	...
Kenya	2009	* 165	96.8	* 96	92.3	* 57	89.3
Kenya	2012	* 142	...	* 93	...	59	99.6
	2015	* 267	...	* 199	...	128	...
	2016	...	...	...	...	144	...
Kiribati	2008	1	85.4	1	62.0	~0	33.6
Kiribati	2014	1	...	...	...	...	...
	2016	1	72.7	...	...	...	...
	2017	1	...	...	...	...	...
Kuwait	2008	23	100.0	27	100.0	12	100.0
Koweït	2009	25	100.0	* 31	...	* 14	...
	2010	26	...	...	...	...	...
	2015	30	78.9	40	...	17	...
	2019	33	...	46	...	19	...
Kyrgyzstan	2010	16	68.4	48	76.3	...	...
Kirghizistan	2015	17	92.8	60	81.5	...	...
	2017	20	95.4	63	74.8	...	...
	2019	21	...	59	...	...	...
Lao People's Dem. Rep. Rép. dém. populaire lao	2010	32	95.4	21	99.3	5	99.4
	2015	35	98.4	* 34	99.3	* 10	99.0
	2019	36	96.9	39	97.9	14	97.6
Latvia Lettonie	2010	10	100.0	16	100.0	9	100.0
	2015	11	100.0	15	100.0	7	100.0
	2018	11	100.0	14	100.0	7	100.0
	2019	11	...	13	...	6	...
Lebanon Liban	2010	33	...	43	...	23	...
	2014	39	...	48	...	20	...
	2016	40	...	50	...	21	...
	2019	41	...	...	...	...	...
Lesotho Lesotho	2007	11	71.8	4	81.3	...	...
	2010	12	63.4	* 5	...	...	...
	2015	11	79.2	6	100.0	...	...
	2016	11	86.5	6	88.9	...	...
	2017	11	...	5	...	...	...
Liberia Libéria	2009	22	47.8	...	...	...	...
	2014	26	56.4	15	54.6	5	...
	2015	22	...	12	61.7	4	59.9
	2017	28	70.2	18	...	6	...
Libya Libye	2006	...	...	...	...	74	...
Liechtenstein Liechtenstein	2009	~0	...	~0	...	~0	...
	2010	~0	...	...	...	...	...
	2015	~0	...	~0	...	~0	...
	2018	~0	...	~0	...	~0	...
Lithuania Lituanie	2010	10	...	39	...	...	...
	2015	8	...	33	...	9	...
	2018	9	...	30	...	8	...
Luxembourg Luxembourg	2010	4	...	5	...	3	...
	2015	4	...	5	...	3	...
	2018	5	...	5	...	3	...
Madagascar Madagascar	2009	90	...	44	...	11	...
	2010	106	...	...	...	...	...
	2014	111	16.7	65	20.7	18	17.4
	2015	116	15.1	...	...	...	...
	2018	122	14.7	80	20.2	22	14.2
	2019	127	15.3	82	...	20	15.9

Teaching staff at the primary, secondary and upper secondary levels (*continued*)

Proportion of teachers with minimum required qualifications (%)

Personnel enseignant au niveau primaire, secondaire et secondaire de deuxième cycle (*suite*)

Proportion d'enseignants avec les qualifications minimales requises (%)

Region, country or area Région, pays ou zone	Year Année	Primary education Enseignement primaire		Secondary education Enseignement secondaire		Upper secondary education Enseignement secondaire de deuxième cycle	
		Total Totale (^{'000})	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale (^{'000})	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale (^{'000})	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)
Malawi	2010	* 43	95.9	* 16	59.7	...	...
Malawi	2013	* 57	90.8	* 20	65.6	...	...
	*2015	60	...	25	...	...	...
	2019	83	...	15	...	...	...
Malaysia	2010	257	95.4	191	94.2	...	...
Malaisie	2013	274	96.7	207	98.5	...	...
	2015	270	99.9	...	...	...	...
	2018	240	97.3	227	93.4	...	...
	2019	235	96.7	229	...	...	...
Maldives	2010	4	77.0	...	...	...	...
Maldives	2015	4	82.8	...	...	...	...
	2019	5	88.8	4	93.6	1	91.3
Mali	2008	35	50.1	26	80.7	15	83.8
Mali	2009	38	50.0	* 29	...	* 17	...
	2010	40	...	...	...	...	...
	2011	44	52.4	33	...	18	...
	2015	52	...	49	...	27	...
	2017	66	...	58	...	24	...
	2018	65	...	...	...	...	...
Malta	2006	2	...	3	...	1	...
Malte	2008	2	...	4	...	...	...
	2010	2	...	...	...	...	...
	2015	2	...	4	...	2	...
	2017	2	...	4	...	2	...
Marshall Islands Îles Marshall	2009	...	...	...	...	-0	...
Mauritania	2006	11	100.0	* 4	100.0	* 2	100.0
Mauritanie	2010	14	100.0	...	...	...	...
	2014	17	91.2	5	86.9	3	75.9
	2015	18	...	6	...	3	...
	2019	17	96.9	9	92.5	4	92.1
Mauritius	2010	5	100.0	8	...	...	...
Maurice	2015	5	100.0	10	31.3	...	...
	2019	6	100.0	10	47.5	...	...
Mexico	2010	530	95.6	652	91.0	257	92.8
Mexique	2012	534	96.0	684	91.8	274	93.5
	2015	574	93.9	814	94.8	...	...
	2018	572	95.3	834	95.6	...	...
Micronesia (Fed. States of) Micronésie (États féd. de)	*2015	1	...	...	...	...	...
	2016	1	100.0	...	...	...	...
	2019	1	...	...	...	...	...
Monaco	2008	...	...	1	...	...	...
Monaco	2015	~0	...	~0	...	...	...
	2017	~0	...	* ~0	...	* ~0	...
	2019	~0	63.5	...	...	...	...
Mongolia	2006	8	100.0	16	100.0	5	100.0
Mongolie	2010	9	97.6	19	97.6	...	...
	2014	9	100.0	21	100.0	...	...
	2015	9	...	21 ¹	...	...	...
	2019	11	88.9	22	87.1	...	...
Montenegro	2015	...	...	...	...	2	...
Monténégro	2019	...	...	...	...	2	...
Montserrat	2009	~0	59.5	~0	44.4	* ~0	45.5
Montserrat	2014	~0	...	~0	...	...	...
	2019	~0	75.9	~0	45.9	...	...

Teaching staff at the primary, secondary and upper secondary levels (*continued*)

Proportion of teachers with minimum required qualifications (%)

Personnel enseignant au niveau primaire, secondaire et secondaire de deuxième cycle (*suite*)

Proportion d'enseignants avec les qualifications minimales requises (%)

Region, country or area Région, pays ou zone	Year Année	Primary education Enseignement primaire		Secondary education Enseignement secondaire		Upper secondary education Enseignement secondaire de deuxième cycle	
		Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)
Morocco Maroc	2008	146	100.0	...	...	43	100.0
	2009	145	100.0	...	...	* 47	...
	2010	150	100.0	...	...	...	...
	2015	156	100.0	...	...	...	...
	2019	172	100.0	155	100.0	72	100.0
Mozambique Mozambique	2008	77	67.0	* 14	65.0	* 3	77.0
	2009	83	71.2	* 16	72.8	* 4	...
	2010	90	75.9	* 20	75.3	...	...
	2013	101	87.3	* 24	86.9	6	95.1
	2015	108	93.2	* 27	84.9	...	...
	2017	117	97.2	33	...	...	...
	2019	121	98.0	...	...	...	...
Myanmar Myanmar	2010	182	99.9	84	98.8	24	100.0
	2014	188	99.5	100	93.8	30	95.2
	2018	218	95.3	154	89.0	47	87.7
Namibia Namibie	2007	14	94.8	6	97.5	...	...
	2010	14	96.4	...	...	...	...
	2017	...	...	11	...	5	...
	2018	20	...	...	...	...	...
Nauru Nauru	2007	~0	74.2	~0	36.4	...	...
	2008	~0	...	...	...	...	...
	2014	~0	...	~0	...	~0	...
	2016	~0	100.0	~0	...	~0	100.0
	2019	~0	...	~0	...	~0	...
Nepal Népal	2010	154	73.7	* 84	65.1	* 44	72.3
	2015	188	94.4	* 111	81.9	* 59	83.0
	2019	201	97.3	123	83.3	64	81.3
Netherlands Pays-Bas	2010	...	...	107	...	...	...
	2015	104	...	112	...	53	...
	2019	101	...	115	...	57	...
New Zealand Nouvelle-Zélande	2010	24	...	35	...	19	...
	2015	25	...	35	...	19	...
	2018	26	...	36	...	19	...
Nicaragua Nicaragua	2008	32	72.7	16	58.9	5	62.5
	2010	31	74.9	15	52.6	4	...
Niger Niger	2009	40	98.0	...	...	...	...
	2010	45	...	10	16.6	2	26.7
	2015	67	55.5	21	...	7	15.0
	2017	76	...	26	...	8	13.0
	2018	69	61.6	29	...	7	...
	2019	67	...	...	...	...	...
Nigeria Nigéria	2010	574	66.1	390	45.9	229	18.5
Niue Nioué	2005	...	...	~0	...	...	...
	2015	~0	100.0	~0	100.0	~0	100.0
	2016	~0	92.3	...	...	...	...
North Macedonia Macédoine du Nord	2010	7	...	17	...	7	...
	2015	8	...	18	...	8	...
	2018	7	...	19	...	8	...
Norway Norvège	2015	49	...	51	...	28	...
	2019	51	...	51	...	27	...
Oman Oman	2009	...	...	...	...	8	100.0
	2019	28	100.0	41	100.0	9	100.0
Pakistan Pakistan	2005	450	85.5	* 295	...	* 102	...
	2010	464	84.2	...	...	...	...
	2015	428	82.5	* 572	...	* 191	...
	2018	520	78.0	* 655	...	* 207	...
	2019	514	76.9	...	...	...	...

Teaching staff at the primary, secondary and upper secondary levels (*continued*)

Proportion of teachers with minimum required qualifications (%)

Personnel enseignant au niveau primaire, secondaire et secondaire de deuxième cycle (*suite*)

Proportion d'enseignants avec les qualifications minimales requises (%)

Region, country or area Région, pays ou zone	Year Année	Primary education Enseignement primaire		Secondary education Enseignement secondaire		Upper secondary education Enseignement secondaire de deuxième cycle	
		Total Totale (^{'000})	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale (^{'000})	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale (^{'000})	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)
Panama	2010	19	91.6	19	88.3	8	90.9
Panama	2014	19	83.2	23	95.7	10	98.1
	2015	19	99.2	24	...	10	...
	2017	19	99.2	24	...	10	...
Papua New Guinea	2012	...	...	14	100.0	6	100.0
Papouasie-Nvl-Guinée	2016	36	...	15	...	3	...
Paraguay							
Paraguay	2012	35	92.1	34	81.0	16	75.4
Peru	2010	191	...	167	...	...	...
Pérou	2015	195	...	190	83.1	...	...
	2018	207	...	196	90.5	...	...
	2019	213	...	209	...	...	...
Philippines	2009	435	...	194	...	59	...
Philippines	2015	478	100.0	279	100.0	...	...
	2019	514	100.0	451	100.0	107	100.0
Poland	2010	240	...	273	...	161	...
Pologne	2015	220	...	273	...	146	...
	2019	253	...	258	...	138	...
Portugal	2010	68	...	98	...	50	...
Portugal	2015	49	...	78	...	39	...
	2018	51	...	83	...	43 ¹	...
Puerto Rico	2010	26	...	26	...	17	...
Porto Rico	2015	18	94.7	15	94.9	8	94.8
	2016	17	92.6	14	84.0	8	84.0
	2018	14	...	12	...	5	...
Qatar	2008	6	52.3	7	52.8	3	50.9
Qatar	2009	8	48.9	7	...	4	...
	2010	7	...	7	...	4	...
	2015	11	100.0	9	100.0	4	100.0
	2019	13	100.0	10	100.0	5	100.0
Republic of Korea	2010	158	...	225	...	122	...
République de Corée	2015	164	...	236	...	130	...
	2018	166	...	230	...	128	...
Republic of Moldova	2010	9	...	29	...	8	...
République de Moldova	2015	8	100.0	25	...	7	...
	2019	8	100.0	22	100.0	6	100.0
Romania	2010	52	...	146	...	63	...
Roumanie	2015	50	...	129	...	56	...
	2018	49	...	124	...	55	...
Russian Federation	2008	285	96.7	1 183	...	...	...
Fédération de Russie	2009	278	...	1 136	...	...	...
	2015	297	98.9	...	...	...	...
	2018	322	98.6	...	...	...	...
Rwanda	2007	31	98.1	12	53.4	...	...
Rwanda	2009	33	93.9	15	...	5	...
	2010	36	91.5	...	...	...	...
	2015	42	93.9	30	51.5	...	...
	2017	44	92.6	30	58.0	14	54.0
	2019	44	95.1	...	...	15	67.2
Saint Kitts and Nevis	2010	~0	61.6	~0	47.1	~0	43.5
Saint-Kitts-et-Nevis	2012	~0	64.7	~0	53.1	~0	52.9
	2015	~0	71.8	1	59.7	...	...
	2016	~0	72.0	1	61.7	...	...
Saint Lucia	2009	1	87.6	* 1	58.1	* ~0	...
Sainte-Lucie	2010	1	86.8	* 1	...	* ~0	...
	2014	1	78.8	1	71.5	~0	71.1
	2015	1	...	1	...	~0	...
	2019	1	88.1	1	72.3	~0	70.8

Region, country or area Région, pays ou zone	Year Année	Primary education Enseignement primaire		Secondary education Enseignement secondaire		Upper secondary education Enseignement secondaire de deuxième cycle	
		Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)
Saint Vincent & Grenadines Saint-Vincent-Grenadines	2010	1	84.1	1	62.9	~0	60.7
	2015	1	84.3	1	58.4	...	...
	2018	1	61.1	1	...	...	...
Samoa	2009	1	...	1	...	1	71.9
Samoa	2010	1	...	1	...	1	...
	2014	...	...	...	...	1	100.0
	2015	...	...	...	...	1	...
	2016	...	...	...	...	1	79.5
	2019	...	...	...	...	1	...
San Marino Saint-Marin	2010	~0	...	~0	...	...	...
	2012	~0	...	...	...	...	...
	2019	~0	90.1	~0	...	~0	...
Sao Tome and Principe Sao Tomé-et-Principe	2005	1	...	* ~0	...	...	...
	2009	1	48.1	...	...	...	...
	2011	1	...	1	44.6	~0	87.1
	2015	1	34.4	1	36.4	...	...
	2016	1	31.1	1	...	* ~0	...
	2017	1	27.4	...	...	...	...
Saudi Arabia Arabie saoudite	2007	* 283	91.5	...	...	...	...
	*2009	285	...	264	...	119	...
	2010	298	...	...	...	...	...
	2015	321	100.0	323	100.0	164	100.0
	2019	231	100.0	233	100.0	115	100.0
Senegal Sénégal	2005	35	45.7	* 15	...	...	...
	2010	50	47.9	...	...	...	...
	2015	62	68.3	56	72.5	...	...
	2019	65	75.3	...	...	...	...
Serbia Serbie	2007	17	100.0	57	100.0	27	100.0
	2009	17	94.2	60	84.9	29	...
	2010	17	...	62	...	29	...
	2011	19	70.4	62	43.9	30	...
	2012	19	55.7	62	...	30	...
	2015	18	...	65	...	31	...
	2019	19	...	67	...	31	...
Seychelles Seychelles	2009	1	99.4	1	93.3	...	...
	2010	1	...	1	...	...	...
	2015	1	83.6	1	98.9	...	...
	2019	1	84.3	1	89.4	...	...
Sierra Leone Sierra Leone	2015	40	53.8	22	70.3	8	73.5
	2016	38	...	22	...	7	...
	2019	48	63.6	...	...	10	75.1
Singapore Singapour	2009	16	98.6	14	99.3	...	...
	2018	16	98.3	15	98.3	...	...
Sint Maarten (Dutch part) St-Martin (partie néerland.)	2012	~0	...	~0	...	...	...
	2014	...	...	~0	...	...	...
Slovakia Slovaquie	2010	14	...	46	...	22	...
	2014	14	95.9	42	95.9	18	95.2
	2015	14	...	41	...	18	...
	2018	15	...	40	...	17	...
Slovenia Slovénie	2010	6	...	15	...	8	...
	2015	7	...	14	...	7	...
	2016	9	...	15	...	6	...
	2018	...	...	...	...	6	...
Solomon Islands Îles Salomon	2010	5	58.0	1	70.8	1	70.9
	2015	4	59.2	2	76.5	~0	63.0
	2019	4	82.4	...	...	...	...
Somalia Somalie	2007	13	...	5	...	2	54.2

Teaching staff at the primary, secondary and upper secondary levels (*continued*)

Proportion of teachers with minimum required qualifications (%)

Personnel enseignant au niveau primaire, secondaire et secondaire de deuxième cycle (*suite*)

Proportion d'enseignants avec les qualifications minimales requises (%)

Region, country or area Région, pays ou zone	Year Année	Primary education Enseignement primaire		Secondary education Enseignement secondaire		Upper secondary education Enseignement secondaire de deuxième cycle	
		Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)
South Africa Afrique du Sud	2009	* 212	...	187	...	...	...
	2010 ¹	238	...	...	...	...	...
	2015	249	...	190	...	...	...
	2016	...	...	192	100.0	...	...
	2018	...	...	...	...	101	...
South Sudan Soudan du sud	2011	* 29	44.0	...	...	...	...
	2015	* 27	...	* 6	...	4	...
Spain Espagne	2010	219	100.0	295	100.0	106	100.0
	2015	228	100.0	276	100.0	144	100.0
	2018	233	100.0	294	100.0	154	100.0
	2019	236	...	304	...	159	...
Sri Lanka Sri Lanka	2010	72	82.1	...	...	...	...
	2011	72	82.4	149	82.1	71	...
	2012	72	...	150	...	70	...
	2015	77	86.2	...	...	...	...
	2018	78	83.1	156	79.3	74	76.8
State of Palestine État de Palestine	2010	14	100.0	32	100.0	7	100.0
	2015	19	100.0	36	100.0	9	100.0
	2019	22	100.0	48	100.0	17	100.0
Sudan Soudan	2015	...	...	...	...	66	66.2
	2018	...	...	...	...	72	65.8
Sudan [former] Soudan [anc.]	2009	* 124	...	* 83	...	45	...
Suriname Suriname	2010	5	95.7	4	66.1	1	41.6
	2015	5	98.0	5	71.3	2	50.2
	2018	5	99.0	...	...	...	...
	2019	5	...	...	...	...	...
Sweden Suède	2010	60	...	75	...	40	...
	2015	65	...	66	...	36	...
	2019	70	...	75	...	38	...
Switzerland Suisse	2014	48	...	64	...	31	...
	2018	52	...	63	...	32	...
Syrian Arab Republic République arabe syrienne	2010	...	...	...	...	69	84.2
	2013	...	...	...	...	49	91.7
Tajikistan Tadjikistan	2010	27	92.9	60	...	...	...
	2011	29	93.7	68	...	...	...
	2015	31	100.0	...	...	...	...
	2017	35	100.0	...	...	...	...
Thailand Thaïlande	2008	348	...	223	...	86	...
	2010	317	...	...	...	...	...
	2015	301	100.0	240	100.0	111	100.0
	2019	378	100.0	229	100.0	110	100.0
Timor-Leste Timor-Leste	2010	8	...	4	...	2	...
	2011	8	...	4	...	2	...
	2015	...	...	...	...	2	...
	2019	8	...	6	...	3	...
Togo Togo	2006	28	...	11	50.3	...	...
	2007	26	...	* 12	...	...	...
	2010	32	76.7	...	...	...	...
	2011	32	70.8	21	...	9	...
	2015	34	73.3	...	...	...	...
	2019	41	76.7	...	...	...	...
Tokelau Tokélaou	2019	~0	57.1	~0	21.4	~0	...
Tonga Tonga	2010	1	...	1	...	...	...
	2015	1	92.5	1	58.7	~0	...

Teaching staff at the primary, secondary and upper secondary levels (*continued*)
 Proportion of teachers with minimum required qualifications (%)

Personnel enseignant au niveau primaire, secondaire et secondaire de deuxième cycle (*suite*)
 Proportion d'enseignants avec les qualifications minimales requises (%)

Region, country or area Région, pays ou zone	Year Année	Primary education Enseignement primaire		Secondary education Enseignement secondaire		Upper secondary education Enseignement secondaire de deuxième cycle	
		Total Totale (‘000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale (‘000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale (‘000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)
Trinidad and Tobago Trinité-et-Tobago	2009	* 7	88.0	...	...	...	...
Tunisia Tunisie	2010	60	...	88	...	49	...
	2011	59	...	85	...	...	...
	2015	71	100.0	...	...	...	...
	2018	71	100.0	87	100.0	50	100.0
Turkey Turquie	2010	...	...	...	...	207	...
	2015	295	...	594	...	298	...
	2018	297	...	688	...	348	...
Turkmenistan Turkménistan	2019	22	99.2	76	99.4	...	...
Turks and Caicos Islands Îles Turques-et-Caiques	2014	~0	89.1	~0	...	...	...
	2015	...	...	~0	97.6	...	...
	2018	~0	42.8	~0	...	...	...
Tuvalu Tuvalu	2015	~0	...	~0	...	~0	...
	2018	~0	80.0	~0	65.1	~0	62.0
	2019	~0	78.3	~0	60.7	...	...
Uganda Ouganda	2006	150	...	* 46	...	* 8	...
	2010	172	...	66	...	...	...
	2014	191	...	64	...	...	...
	2015	193	...	...	...	...	...
	2017	207	79.6	...	...	...	...
Ukraine Ukraine	2010	98	99.9	...	...	...	...
	2012	98	99.9	...	...	...	...
	2015	124	...	340	...	...	...
	2018	129	87.3	324	93.4	...	...
	2019	108	89.1	312	...	...	...
United Arab Emirates Émirats arabes unis	2005	17	60.0	...	...	...	...
	2010	19	...	...	...	...	...
	2015	20	100.0	...	...	...	...
	2019	30	100.0	53	100.0	28	100.0
United Kingdom Royaume-Uni	2008	244	...	* 375	...	* 223	...
	2010	252	...	...	...	...	...
	2014	272	...	414	...	260	...
	2015	...	...	412	...	...	...
	2018	279	...	369	...	219	...
United Rep. of Tanzania Rép.-Unie de Tanzanie	2010	166	94.5	...	...	...	...
	2013	189	99.0	...	...	...	...
	2014	191	...	83	...	...	...
	2016	207	99.2	113	...	...	...
	2019	196	...	106	...	...	...
United States of America États-Unis d'Amérique	2015	1 714	...	1 661	...	808	...
	2017	1 769	...	1 695	...	825	...
Uruguay Uruguay	2010	25	...	25	...	8	...
	2015	27	100.0	...	...	...	...
	2018	28	100.0	...	...	...	...
Uzbekistan Ouzbékistan	2010	111	100.0	342	100.0	...	...
	2011	125	100.0	329	100.0	...	...
	2015	112	...	371	...	100	...
	2017	113	98.9	377	97.5	99	93.4
	2019	119	100.0	375	98.8	...	...
Vanuatu Vanuatu	2007	2	100.0	...	...	...	...
	2010	2	...	...	...	...	...
	2015	2	...	1	...	~0	...
Viet Nam Viet Nam	2010	348	98.3	...	...	...	...
	2015	392	99.5	...	...	...	...
	2019	391	99.5	...	...	...	...

Teaching staff at the primary, secondary and upper secondary levels (*continued*)
Proportion of teachers with minimum required qualifications (%)

Personnel enseignant au niveau primaire, secondaire et secondaire de deuxième cycle (*suite*)
Proportion d'enseignants avec les qualifications minimales requises (%)

Region, country or area Région, pays ou zone	Year Année	Primary education Enseignement primaire		Secondary education Enseignement secondaire		Upper secondary education Enseignement secondaire de deuxième cycle	
		Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)	Total Totale ('000)	Teachers with min. required qualifications(%) Enseignants avec les qualifications minimales requises (%)
Yemen	2010	111	...	...	...	...	...
Yémen	*2012	122	...	...	...	...	...
	2013	...	...	...	...	29	94.6
	2016	145	...	...	...	...	...
Zambia	*2010	55	...	...	...	...	...
Zambie	2012	* 64	92.7	...	...	...	...
	2015	75	...	...	...	...	...
	2017	78	98.8	...	...	...	...
Zimbabwe							
Zimbabwe	2013	73	85.9	43	73.0	...	...
LDC§	2010	...	72.4	...	59.6	...	48.8
PMA§	2015	...	70.5	...	58.7	...	54.2
	2019	...	73.9	...	56.1	...	52.4

Source:

United Nations Educational, Scientific and Cultural Organization (UNESCO), Montreal, the UNESCO Institute for Statistics (UIS) statistics database, last accessed June 2021.

Source:

Organisation des Nations Unies pour l'éducation, la science et la culture (UNESCO), Montréal, base de données statistiques de l'Institut de statistique (ISU) de l'UNESCO, dernier accès June 2021.

& Data relate to the calendar year in which the academic year ends.

& Les données se réfèrent à l'année civile durant laquelle l'année scolaire se termine.

1 Includes data from another category.

1 Inclut des données d'une autre catégorie.