



KEMENTERIAN
PENDIDIKAN
MALAYSIA



QUICK FACTS

2019

Malaysia
Educational
Statistics



KEMENTERIAN
PENDIDIKAN
MALAYSIA



With Best Compliments


Educational Planning and Research Division
MINISTRY OF EDUCATION MALAYSIA



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2019

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Educational
Statistics



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PREFACE



DIRECTOR

Educational Planning and Research Division
Ministry of Education Malaysia

Quick Facts 2019 is part of the continuous effort of Educational Planning and Research Division, MOE in providing accurate and concise statistics on education. The primary purpose of Quick Facts 2019 is to provide a compilation of statistical information ranging from pre-primary to tertiary level. Quick Facts 2019 includes a selection of data from many sources, government, private and international organization.

The publication contains information on a variety of subjects in the field of education statistics, including the number of schools, enrolment, teachers, educational outcomes and federal funds for education. Supplemental information of population trends and economic trends provide background for evaluating data. This year, we have expanded the scope by including new table on educational attainment of adult population.

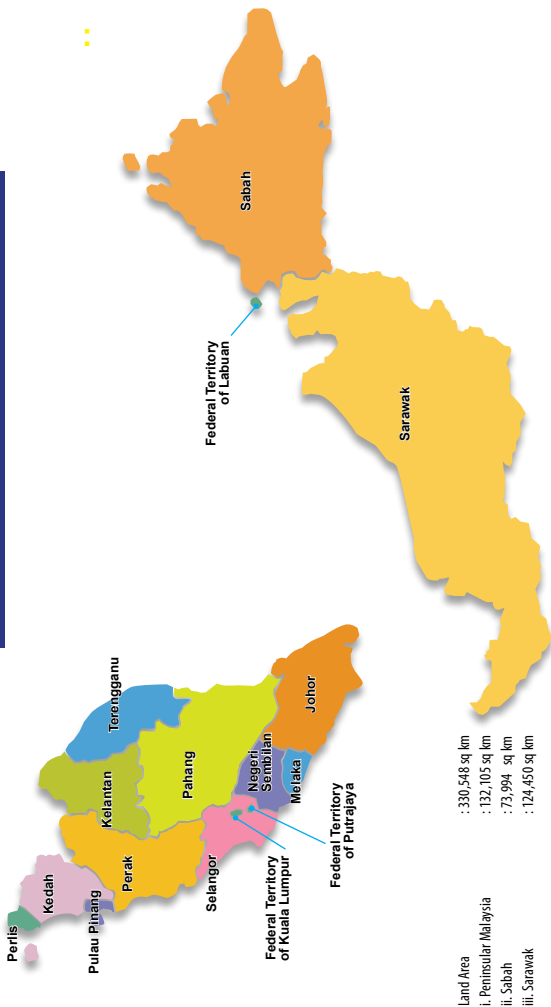
It is hopefully that this publication will be able to fulfill the expectation of educational policy makers, planners and researchers as a tool to facilitate informed decision making. I believe it will also help other agencies, and international organizations to understand better the Malaysian education system.

On behalf of EPRD, I would like to convey my appreciation to all divisions in the Ministry of Education, other government and private agencies and to all those involved for their contribution in the publication of Quick Facts 2019.

A handwritten signature in black ink, appearing to read 'Ahmad Rafee Bin Che Kassim'.

DR. AHMAD RAFEE BIN CHE KASSIM

MALAYSIA : BASIC INFORMATION



MALAYSIA : BASIC INFORMATION

Capital City	: Kuala Lumpur
Population 2018 ^e ('000)	:
Malaysia	: 32,385.0
i Peninsular Malaysia:	25,594.5
ii Sabah	: 3,899.3
iii Sarawak	: 2,792.0
iv W.P. Labuan	: 99.2
Population Growth Rate (%)	: 1.1
Life Expectancy at Birth (2018 ^e)	: 72.7 years (Male)
	: 77.6 years (Female)
Age Structure ('000)	: 0 - 5 years - 3,124.1
	: 6 - 14 years - 4,581.0
	: 15 - 59 years -21,449.5
	: 60 years and above - 3,230.4
Language	: Bahasa Melayu (Official Language)
	: English (Second Language)
Time	: 8 hours ahead of GMT
Official Name	: Federation of Malaysia
Form of State	: Federated Constitutional Monarchy
Head of State	: Kebawah DYMM Seri Paduka Baginda Yang di-Pertuan Agong XVI Al-Sultan Abdullah Ri'ayatuddin Al-Mustafa Billah Shah Ibni Sultan Haji Ahmad Shah Al-Musta'in Billah
Head of Government	: Prime Minister YAB Tun Dr. Mahathir bin Mohamad
Minister of Education	: YB Dr. Maszlee bin Malik

Notes : 1. Mid-Year Population Estimates were based on the adjusted Population and Housing Census of Malaysia 2010

2. The added total may differ due to rounding

3. ^e estimates

Source : Department of Statistics (DOS), Malaysia

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ABBREVIATIONS AND SYMBOLS

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GENERAL INFORMATION

Number of Schools, Enrolment and Teachers (2019)

	Schools	Enrolment			Teachers		
		Male	Female	Total	Male	Female	Total
Pre-school*	6,152	103,628	101,572	205,200	1,091	8,220	9,311
Primary **	7,772	1,398,201	1,328,560	2,726,761	70,025	167,292	237,317
Secondary**	2,436	999,074	1,008,422	2,007,496	53,717	128,870	182,587
TOTAL	10,208	2,397,275	2,336,982	4,734,257	123,742	296,162	419,782

Note : 1. Data only covers educational institutions under MOE

2. Total excludes pre-school

3. Data enrolment as of 31st January 2019

Source : * National Information System for Pre-school (SMPK - Data as of 31st January 2019)

** APDM (Data as of 31st January 2019)

1. PRE-SCHOOL

A) MOE Pre-schools

Table 1.1 Number of Pre-schools, Classes, Teachers and Enrolment in Pre-schools (2017-2019)

	2017	2018	2019
Pre-schools	6,092	6,111	6,152
Classes	9,272	9,366	9,465
Teachers	9,083	9,191	9,311
Enrolment	201,249	203,690	205,200

Source : National Information System for Pre-school (SMPK - Data as of 31st January)

B) Other Agencies

Table 1.2 Number of Pre-Schools, Classes, Teachers and Enrolment in Institutions Under Other Government Agencies and Private Institutions (2019)

Agency	Pre-Schools	Classes	Teachers*	Enrolment
ABIM	197	513	470	7,860
JAIN**	798	1,705	2,774	31,652
PERPADUAN	1,781	1,781	3,478	37,964
KEMAS	8,494	11,082	10,925	215,229
Private	7,778	29,558	31,587	320,542
TOTAL	19,048	44,639	49,234	613,247

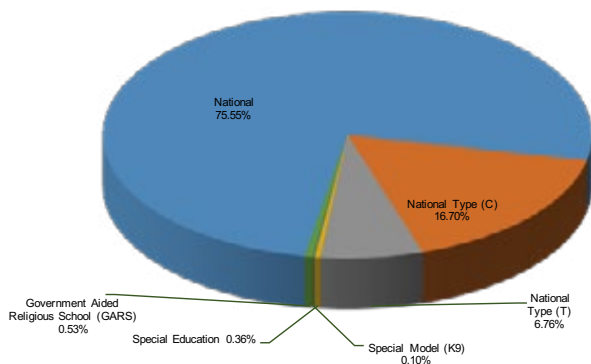
Note : * Including Teacher Assistants

** Data as 28th February 2019

Source : ABIM, JAIN, PERPADUAN, KEMAS, Private Education Division, MOE (Data as of 31st January 2019)

2. SCHOOLS - PRIMARY

Percentage of MOE Primary Schools (2019)



A) MOE Primary Schools

Table 2.1 Number of Primary Schools (2017-2019)

Type of Schools	2017			2018			2019		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
National	1,331	4,547	5,878	1,329	4,548	5,877	1,324	4,548	5,872
National Type (C)	502	796	1,298	503	795	1,298	503	795	1,298
National Type (T)	137	387	524	137	387	524	138	387	525
Special Education	20	8	28	20	8	28	20	8	28
Special Model (K9)	0	8	8	0	8	8	0	8	8
Government Aided Religious School (GARS)	15	25	40	15	26	41	15	26	41
TOTAL	2,005	5,771	7,776	2,004	5,772	7,776	2,000	5,772	7,772

Note : Data as of 31st January 2019

Source : Educational Planning and Research Division

2. SCHOOLS - PRIMARY

Percentage of Classes in MOE Primary Schools (2019)

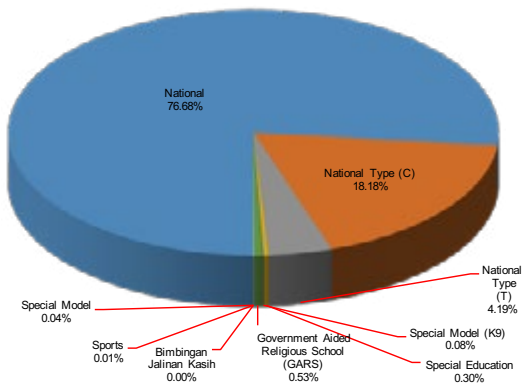


Table 2.2 Number of Classes in Primary Schools (2017-2019)

Type of Schools	2017	2018	2019
National	80,104	80,587	81,291
National Type (C)	19,239	19,219	19,271
National Type (T)	4,455	4,425	4,447
Special Education	314	328	315
Special Model (K9)	80	81	81
Government Aided Religious School (GARS)	515	544	557
Special Model	46	47	46
Sports	6	6	6
Bimbingan Jalanan Kasih	3	3	4
TOTAL	104,762	105,240	106,018

Note : 1. Excluding pre-school classes

2. Special Model (K9) - Primary school with secondary level from Form 1 to 3

3. Special Model - Secondary school with primary level from Year 4 to 6

Source : School Management Division (Data as of 31st January)

B) Other Agencies

Table 2.3 Number of Primary Schools in Private Institutions (2019)

Type of Schools	2019
Academic Primary	66
Religious Primary	59
TOTAL	125

Note : Data as of 31st January 2019

Source : Private Education Division, MOE

Table 2.4 Number of Primary Schools in Institutions Under Other Government Agencies (2019)

Type of Schools	2019
People Religious Primary School (SRAR)	84
State Religious Primary School (SRAN)	23
TOTAL	107

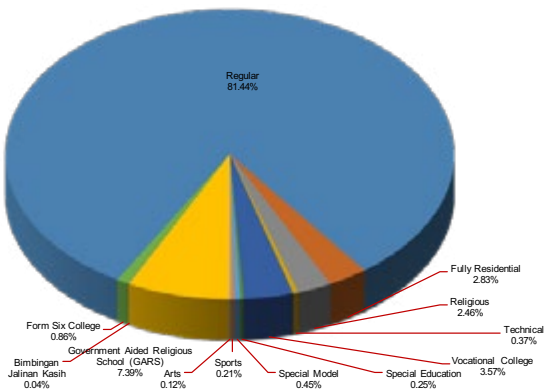
Note : Data as of 28th February 2019

Source : JAKIM



2. SCHOOLS - SECONDARY

Percentage of MOE Secondary Schools (2019)



A) MOE Secondary Schools

Table 2.5 Number of Secondary Schools (2017-2019)

Type of Schools	2017			2018			2019		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
Regular	943	1,047	1,990	937	1,045	1,982	935	1,049	1,984
Fully Residential	34	35	69	34	35	69	34	35	69
Religious	27	30	57	27	32	59	27	33	60
Technical	8	1	9	8	1	9	8	1	9
Vocational College	45	35	80	49	38	87	49	38	87
Special Education	5	1	6	5	1	6	5	1	6
Special Model	3	8	11	3	8	11	3	8	11
Sports	4	1	5	4	1	5	4	1	5
Arts	3	0	3	3	0	3	3	0	3
Government Aided Religious School (GARS)	54	126	180	54	126	180	54	126	180
Bimbingan Jalanan Kasih	1	0	1	1	0	1	1	0	1
Form Six College	0	0	0	9	5	14	14	7	21
TOTAL	1,127	1,284	2,411	1,134	1,292	2,426	1,137	1,299	2,436

Note : Data as of 31st January 2019

Source : Educational Planning and Research Division

2. SCHOOLS - SECONDARY

Percentage of Classes in MOE Secondary Schools (2019)

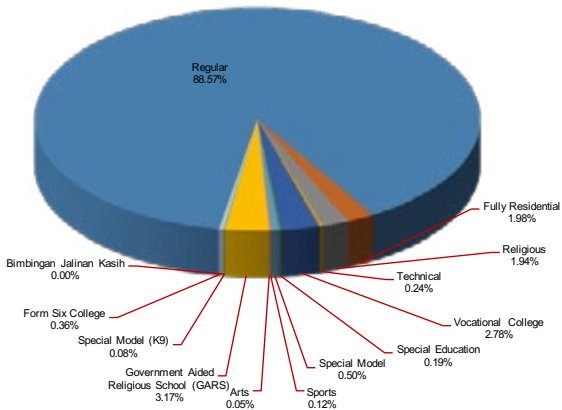


Table 2.6 Number of Classes in Secondary Schools (2017-2019)

Type of Schools	2017	2018	2019
Regular	70,777	70,473	70,374
Fully Residential	1,547	1,593	1,574
Religious	1,517	1,529	1,546
Technical	154	176	189
Vocational College	2,257	2,395	2,212
Special Education	152	161	154
Special Model	409	407	401
Sports	89	89	95
Arts	41	38	40
Government Aided Religious School (GARS)	2,464	2,499	2,522
Bimbingan Jalanan Kasih	2	1	2
Special Model (K9)	50	51	63
Form Six College	0	181	286
TOTAL	79,459	79,593	79,458

Note : 1. Excluding primary classes in Special Model School
 2. Special Model (K9) - Primary school with secondary level from Form 1 to 3
 3. Special Model - Secondary school with primary level from Year 4 to 6

Source : School Management Division (Data as of 31st January 2019)

B) Other Agencies

Table 2.7 Number of Secondary Schools in Private Institutions (2019)

Type of Schools	2019
Academic Secondary	65
Chinese Independent Secondary Schools	60
Religious Secondary	39
Correspondence Secondary School	0
TOTAL	164

Note : Data as of 31st January 2019

Source : Private Education Division, MOE

Table 2.8 Number of Secondary Schools in Institutions Under Other Government Agencies (2019)

Type of Schools	2019
People Religious Secondary School (SMAR)*	96
State Religious Secondary School (SMAN)*	111
MARA Junior Science Colleges (MJSC)	54
Royal Military College (RMC)	1
TOTAL	262

Note : Data as of 31st January 2019

* Data as of 28th February 2019

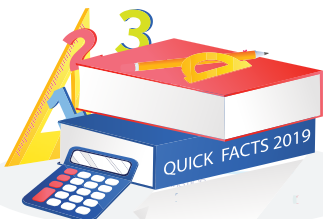
Source : State Religious Department (SMAR, SMAN); MARA; Royal Military College

Table 2.9 Number of Private Institutions With Two Levels (Primary and Secondary Schools) (2019)

Type of Schools	2019
Expatriate	15
International	153
Special Education	15
TOTAL	183

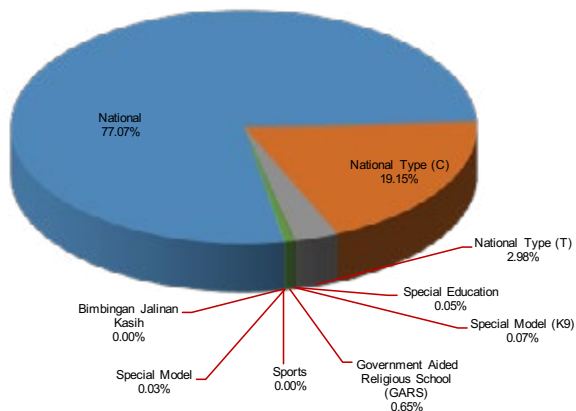
Note : Data as of 31st January 2019

Source : Private Education Division, MOE



3. ENROLMENT - PRIMARY

Percentage of Enrolment in MOE Primary Schools (2019)



A) MOE Primary Schools

Table 3.1 Enrolment at Primary Level by Type of Schools (2017-2019)

Type of Schools	2017	2018	2019
National	2,044,299	2,071,890	2,101,453
National Type (C)	527,453	518,543	522,283
National Type (T)	81,483	81,488	81,321
Special Education	1,185	1,215	1,231
Special Model (K9)	2,187	2,074	1,990
Government Aided Religious School (GARS)	16,453	17,184	17,594
Special Model	798	818	786
Sports	28	31	22
Bimbingan Jalanan Kasih	76	75	81
TOTAL	2,673,962	2,693,318	2,726,761

- Notes :
1. Excluding pre-school enrolment
 2. Special Model (K9) - Primary school with secondary level from Form 1 to 3
 3. Special Model - Secondary school with primary level from Year 4 to 6
 4. Including enrolment of Year 4 to Year 6 students in Special Model and Sports School
 5. Enrolment in Year 1 to Year 6 includes pupils in SEIP

Source : School Management Division (APDM - Data as of 31st January 2019)

3. ENROLMENT - PRIMARY

Percentage of Enrolment at Primary Level by Gender (2019)

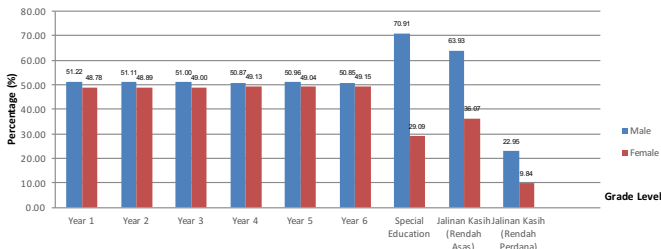


Table 3.2 Enrolment at Primary Level by Grade and Gender (2017-2019)

Grade Level	2017			2018			2019		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Year 1	225,116	214,909	440,025	232,694	222,005	454,699	237,931	226,570	464,501
Year 2	230,617	220,779	451,396	225,947	216,349	442,296	233,499	223,349	456,848
Year 3	229,653	218,912	448,565	229,932	220,775	450,707	225,367	216,502	441,869
Year 4	222,987	214,180	437,167	227,802	218,262	446,064	228,195	220,371	448,566
Year 5	220,624	211,072	431,696	221,726	213,715	435,441	226,297	217,789	444,086
Year 6	220,559	212,696	433,255	219,271	210,502	429,773	220,493	213,137	433,630
Special Education	22,088	9,770	31,858	24,091	10,247	34,338	26,366	10,814	37,180
Jalinan Kasih (Rendah Asas)							39	22	61
Jalinan Kasih (Rendah Perdana)							14	6	20
TOTAL	1,371,644	1,302,318	2,673,962	1,381,463	1,311,855	2,693,318	1,398,201	1,328,560	2,726,761

Note : 1. Excluding pre-school enrolment

2. Including enrolment of Year 4 to Year 6 in Special Model Schools and Sports Schools

Source : School Management Division (APDM - Data as of 31st January 2019)

B) Other Agencies

Table 3.3 Enrolment at Primary Level in Private Institutions (2019)

Type of Schools	2019		Total
	Male	Female	
Academic Primary	7,374	6,349	13,723
Religious Primary	14,547	11,981	26,528
TOTAL	21,921	18,330	40,251

Note : Data as of 31st January 2019

Source : Private Education Division, MOE

Table 3.4 Enrolment at Primary Level in Institutions Under Other Government Agencies (2019)

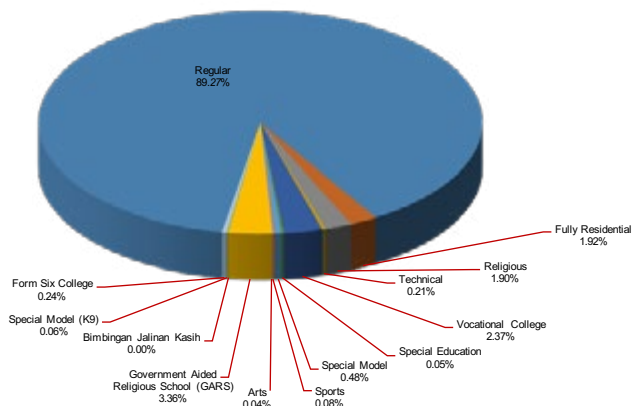
Type of Schools	2019		Total
	Male	Female	
People Religious Primary School (SRAR)	14,422	11,238	25,660
State Religious Primary School (SRAN)	8,240	8,532	16,772
TOTAL	22,662	19,770	42,432

Note : Data as of 28th February 2019

Source : JAKIM

3. ENROLMENT - SECONDARY

Percentage of Enrolment at Secondary Level by Type of Schools (2019)



A) MOE Secondary Schools

Table 3.5 Enrolment at Secondary Level by Type of Schools (2017-2019)

Type of Schools	2017	2018	2019
Regular	1,884,012	1,819,865	1,792,083
Fully Residential	36,956	38,351	38,518
Religious	38,221	38,448	38,200
Technical	3,371	3,957	4,305
Vocational College	52,033	54,150	47,514
Special Education	1,062	1,164	1,043
Special Model	10,551	10,117	9,636
Sports	1,492	1,552	1,666
Arts	897	887	899
Government Aided Religious School (GARS)	69,244	69,089	67,546
Bimbingan Jalanan Kasih	39	24	57
Special Model (K9)	1,155	1,083	1,120
Form Six College	0	3,111	4,909
TOTAL	2,099,033	2,041,798	2,007,496

Note : 1. Excluding pre-school enrolment in secondary schools

2. Special Model (K9) - Primary school with secondary level from Form 1 to Form 3

Source : School Management Division (APDM - Data as of 31st January)

Table 3.6 Enrolment at Secondary Level by Grade, Academic Streams and Gender (2017-2019)

Grade	2017			2018			2019		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lower Secondary									
Special Education (Form 1-Form 3)	18,556	9,012	27,568	19,248	9,218	28,466	20,213	9,431	29,644
Remove Class	10,538	5,289	15,827	9,467	4,575	14,042	8,875	4,218	13,093
Form 1	200,977	199,120	400,097	195,211	193,765	388,976	192,467	189,209	381,676
Form 2	195,948	193,557	389,505	195,853	195,762	391,615	190,123	190,362	380,485
Form 3	197,142	198,167	395,309	191,394	191,770	383,164	191,830	193,799	385,629
Total	623,161	605,145	1,228,306	611,173	595,090	1,206,263	603,508	587,019	1,190,527
Upper Secondary (Form 4)									
Form 4 Special Education	234	202	436	na	na	na	109	83	192
Form 4 Arts	116,318	105,593	221,911	110,536	101,870	212,406	111,762	101,596	213,358
Form 4 Science	37,528	55,428	92,956	34,394	49,214	83,608	33,171	47,254	80,425
Form 4 Religious	375	464	839	3,259	5,152	8,411	2,793	3,745	293,783
Form 4 Vocational/Technology	22,502	28,689	51,191	20,552	27,116	47,668	19,946	25,240	45,186
Form 4 Vocational	11,117	6,483	17,600	11,177	6,347	17,524	9,849	5,909	15,758
Form 4 Technical	372	365	737	865	744	1,609	994	905	1,899
Year 1 Vocational College	3,742	1,760	5,502	6,298	3,333	9,631	3,937	2,679	6,616
Year 1 Skills Training (NVTC)	50	19	69	212	120	332	443	170	613
Total	192,238	199,003	391,241	187,293	193,896	381,189	183,004	187,581	370,585
Upper Secondary (Form 5)									
Form 5 Special Education	255	204	459	na	na	na	31	27	58
Form 5 Arts	109,345	106,536	215,881	105,149	101,893	207,042	106,175	101,911	208,086
Form 5 Science	37,195	56,150	93,345	33,754	50,032	83,786	33,199	48,628	81,827
Form 5 Religious	225	324	549	2,184	3,714	5,898	2,273	2,987	5,260
Form 5 Vocational/Technology	23,930	32,669	56,599	20,054	26,683	46,737	19,138	25,933	45,071
Form 5 Vocational	10,157	6,321	16,478	9,958	6,211	16,169	7,820	4,511	12,331
Form 5 Technical	1,202	1,043	2,245	1,201	1,147	2,348	1,257	1,149	2,406
Year 2 Vocational College	9,905	5,474	15,379	9,831	5,129	14,960	8,594	4,670	13,264
Year 2 Skills Training (NVTC)	683	230	913	752	253	1,005	953	364	1,317
Short / Special Skill Course	...	...	0	na	na	na	na	na	na
Total	192,897	208,951	401,848	182,883	195,062	377,945	179,440	190,180	369,620
Post-Secondary									
Form 6 Lower									
Arts	...	...	0	na	na	na	na	na	na
Science	...	...	0	na	na	na	na	na	na
Religious	700	1,164	1,864	923	1,503	2,426	1,086	1,602	2,688
Year 3 Vocational College	9,389	5,961	15,350	9,185	5,174	14,359	8,683	4,701	13,384
Year 3 Vocational College MPV	...	...	0	na	na	na	na	na	na
Year 1 Pre-university	79	36	115	102	60	162	131	91	222
Total	10,168	7,161	17,329	10,210	6,737	16,947	9,900	6,394	16,294
Form 6 Upper									
Form 6 Upper Special Education	0	0	0	na	na	na	4	1	5
Arts	11,840	27,782	39,622	12,358	27,953	40,311	12,547	29,710	42,257
Science	2,472	3,393	5,865	2,165	2,608	4,773	2,221	2,656	4,877
Technology	15	21	36	na	na	na	7	8	47,134
Year 2 Pre-university	57	26	83	80	35	115	100	45	145
Year 4 Vocational College	9,359	5,344	14,703	8,614	5,641	14,255	8,304	4,810	13,114
SBJK							39	18	57
Total	23,743	36,566	60,309	23,217	36,237	59,454	23,222	37,248	60,470
GRAND TOTAL	1,042,207	1,056,826	2,099,033	1,014,776	1,027,022	2,041,798	999,074	1,008,422	2,007,496

Note : 1. Including enrolment of Form 1 to 3 students in Comprehensive Special Model (K9) Schools

2. Excluding pre-schools students in secondary schools

3. Data for Form 6 Lower is not available (...) because Form 6 begins in May, except for students who are taking STAM in religious school

Source : School Management Division (APDM - Data as of 31st January 2019)

B) Other Agencies

Table 3.7 Enrolment at Secondary Level in Private Institutions (2019)

Type of Schools	2019		Total
	Male	Female	
Academic Secondary	8,041	6,829	14,870
Chinese Independent Secondary Schools	39,723	38,399	78,122
Religious Secondary	5,709	3,964	9,673
Correspondence Secondary School	0	0	0
TOTAL	53,473	49,192	102,665

Note : Data as of 31st January 2019

Source : Private Education Division, MOE

Table 3.8 Enrolment at Secondary Level in Institutions Under Other Government Agencies (2019)

Type of Schools	2019		Total
	Male	Female	
People Religious Secondary School (SMAR)*	13,194	10,692	23,886
State Religious Secondary School (SMAN)*	21,011	26,735	47,746
MARA Junior Science Colleges (MJSC)	16,110	20,490	36,600
Royal Military College (RMC)	385	0	385
TOTAL	50,700	57,917	108,617

Note : Data as of 31st January 2019

* Data as of 28th February 2019

Source : State Religious Department (SMAR/SMAN), MARA, Royal Military College

Table 3.9 Enrolment in Private Institutions with Two Levels (Primary and Secondary) (2019)

Type of Schools	2019		Total
	Male	Female	
Expatriate	1,492	1,464	2,956
International	35,995	31,405	67,400
Special Education	531	333	864
TOTAL	38,018	33,202	71,220

Note : Data as of 31st January 2019

Source : Private Education Division, MOE

C) Matriculation

Table 3.10 Matriculation : Number of Colleges, Academic Personnel and Enrolment Level (2016- 2018)

	2016	2017	2018*
Number of Matriculation Colleges	15	15	15
Number of Academic Personnel	2,725	2,464	2,417
% Female	64.37	68.00	68.02
Total Enrolment	20,463	22,771	23,604
% Female	70.42	69.00	68.79

Note : * Data as of 31st January 2018

Source : Matriculation Division, MOE

4. SPECIAL EDUCATION

Table 4.1 Enrolment in Special Education Schools by Grade and Gender (2017-2019)

Grade	2017			2018			2019		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Primary									
CFLD	88	37	125	148	80	228	124	83	207
Preschool	60	37	97	67	37	104	63	47	110
Year 1	82	89	171	77	64	141	114	71	185
Year 2	86	86	172	75	79	154	81	52	133
Year 3	77	61	138	78	83	161	81	82	163
Year 4	98	64	162	85	63	148	82	83	165
Year 5	99	89	188	104	64	168	96	67	163
Year 6	91	76	167	100	92	192	118	68	186
Total	681	539	1,220	734	562	1,296	759	553	1,312
Secondary									
Form 1	23	15	38	27	19	46	26	27	53
Form 2	38	26	64	28	14	42	26	17	43
Form 3	36	26	62	35	29	64	24	14	38
Form 4	26	34	60	33	26	59	31	21	52
Form 5	26	11	37	26	31	57	31	27	58
Total	149	112	261	149	119	268	138	106	244
Secondary - Vocational Programme									
SKM Level 1	123	75	198	148	89	237	88	63	151
SKM Level 2	161	156	317	280	223	503	273	182	455
SKM Level 3	84	66	150	81	71	152	114	74	188
Total	368	297	665	509	383	892	475	319	794
Post Secondary									
Form 6 Upper	0	0	0	1	2	3	4	1	5
Total	0	0	0	1	2	3	4	1	5
GRAND TOTAL	1,198	948	2,146	1,393	1,066	2,459	1,376	979	2,355

Note : CFLD - Class for Learning Disabilities (Students with learning disabilities and unable to learn with other students)

Source : Special Education Division, MOE

Table 4.2 Number of Classes, Enrolment and Teachers in Special Education Integration Programme (2017-2019)

	2017			2018			2019		
	Pre-school	Primary	Secondary	Pre-school	Primary	Secondary	Pre-school	Primary	Secondary
Class	206	3,048	2,518	178	5,350	4,112	179	5,653	4,278
Enrolment	1,122	27,231	21,745	808	33,174	28,244	764	35,761	29,455
Teacher	204	8,083	5,308	176	8,193	5,497	179	8,191	5,694

Notes : Special Education Integration Programme refers to a programme for students with disabilities in regular schools

Source : Special Education Division, MOE

Table 4.3 Enrolment in Special Education Integration Programme by Grade (2017-2019)

Grade	2017	2018	2019
Primary			
CFLD	29,336	5,593	25,045
Year 1	153	9,459	2,476
Year 2	100	5,675	2,110
Year 3	233	4,608	1,954
Year 4	443	4,021	1,787
Year 5	410	2,307	1,366
Year 6	414	1,511	1,023
Total	31,089	33,174	35,761
Secondary			
CFLD	23,721	11,831	23,940
Form 1	319	4,147	1,814
Form 2	350	4,352	1,477
Form 3	301	3,194	1,236
Form 4	322	2,727	491
Form 5	289	1,969	497
Total	25,302	28,220	29,455
Post Secondary			
Form 6 (Lower)	0	0	0
Form 6 (Upper)	22	24	0
Total	22	24	0
GRAND TOTAL*	56,413	61,418	65,216
Partial Inclusion	13,081	16,454	24,998
Full Inclusion	12,315	1,260	1,328
Total Inclusive	25,396	17,714	26,326
Preschool	1,122	808	764

- Notes : 1. Inclusive - Students with Special Educational Needs (SEN) studying in regular classrooms together with mainstream students.
 2. * Grand Total of Students with SEN include enrolment in full and partial inclusive programme.
 3. Inclusive Programme comprises students of SEN enrolled in full and partial inclusive education.
 4. Data as 31st January 2019

Table 4.4 Enrolment of Inclusive Programme in Regular Schools and Special Education Integration Programme (2019)

	Regular Schools	SEIP	
	Full Inclusion	Full Inclusion	Partial Inclusion
Pre	167		
Primary	7,162	485	11,621
Secondary	7,375	843	13,377
Total Inclusive	14,704	1,328	24,998

Note : Data included enrolment in regular schools
 Source : Special Education Division, MOE

5. TEACHERS - PRIMARY

A) MOE Primary Schools

Table 5.1 Number of Teachers at Primary Level by Type of Training (2019)

Type of Schools	Graduate	Non-Graduate	Untrained	Total
National	155,329	32,540	1,004	188,873
National Type (C)	27,858	8,878	364	37,100
National Type (T)	7,213	1,649	11	8,873
Special Education	741	94		835
Government Aided Religious School - Primary (GARS)	767	420	163	1,350
Special Model (Primary)	259	25	2	286
TOTAL	192,167	43,606	1,544	237,317

- Note : 1. Graduates - Teachers who have a degree
 2. Non-Graduates - Teachers who have a teaching certificate/diploma
 3. Untrained - include contract teachers

Data do not include :

- (i) Teachers seconded to semi-government agencies, state religious schools, and other agencies;
 (ii) Teachers on study leave with full-pay or half-pay; and
 (iii) Teachers in common posts pending re-deployment.

Source : School Management Division (Data as of 31st January 2019)

Percentage of Primary School Teachers by Gender (2017-2019)

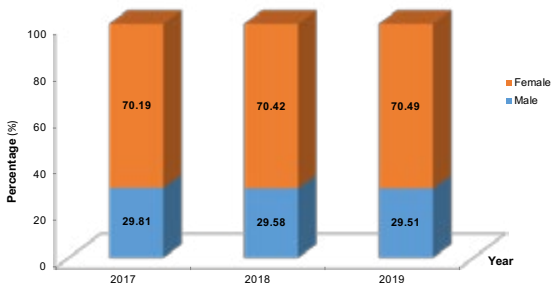


Table 5.2 Number and Percentage of Teachers at Primary Level by Gender (2017 - 2019)

Gender	2017	%	2018	%	2019	%
Male	71,349	29.81	71,018	29.58	70,025	29.51
Female	168,004	70.19	169,083	70.42	167,292	70.49
TOTAL	239,353	100.00	240,101	100.00	237,317	100.00

Source : School Management Division (Data as of 31st January 2019)

Percentage of Primary School Teachers by Gender and Age Group (2019)

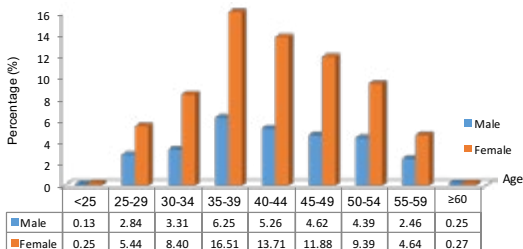


Table 5.3 Number of Teachers at Primary Level by Gender and Age Group (2018)

Age Group	<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	≥60	TOTAL
Male	298	6,748	7,863	14,831	12,494	10,956	10,417	5,831	587	70,025
Female	598	12,921	19,935	39,173	32,543	28,190	22,293	11,007	632	167,292
TOTAL	896	19,669	27,798	54,004	45,037	39,146	32,710	16,838	1,219	237,317

Source : School Management Division (Data as of 31st January 2019)

B) Other Agencies

Table 5.4 Number of Teachers at Primary Level in Private Institutions (2019)

Type of Schools	2019
Academic Primary	1,093
Religious Primary	1,900
TOTAL	2,993

Note : Data as of 31st January 2019

Source : Private Education Division, MOE

Table 5.5 Number and Percentage of Teachers at Primary Level in Institutions Under Other Government Agencies (2019)

Type of Schools	2019
People Religious Primary School (SRAR)	1,833
State Religious Primary School (SRAN)	806
TOTAL	2,639

Note : Data as of 28th February 2019

Source : State Religious Department

5. TEACHERS - SECONDARY

A) MOE Secondary Schools

Table 5.6 Number of Teachers at Secondary Level by Type of Training (2019)

Type of Schools	Graduate	Non-Graduate	Untrained	Total
Regular	149,635	2,662	1,569	153,866
Fully Residential	4,128	12	149	4,289
Religious	3,700	50	439	4,189
Technical	480	2	1	483
Vocational College	8,351	313	409	9,073
Special Education	448	5	0	453
Special Model	991	21	0	1,012
Sports	371	4	0	375
Art	140	1	15	156
Government Aided Religious School (GARS)	5,110	606	1,541	7,257
Bimbingan Jalanan Kasih	16	0	0	16
Form Six College	1,418	0	0	1,418
TOTAL	174,788	3,676	4,123	182,587

- Note :
1. Graduates - Teachers who have a degree
 2. Non-Graduates - Teachers who have a teaching certificate/diploma
 3. Untrained - include contract teachers
 4. Data do not include :
 - (i) Teachers seconded to semi-government agencies, state religious schools, and other agencies;
 - (ii) Teachers on study leave with full-pay or half-pay; and
 - (iii) Teachers in common posts pending re-deployment.

Source : School Management Division (Data as of 31st January 2019)

Percentage of Secondary School Teachers by Gender (2017-2019)

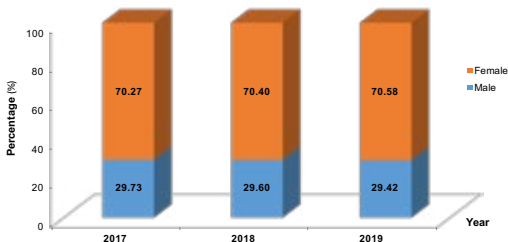


Table 5.7 Number and Percentage of Teachers at Secondary Level by Gender (2017 - 2019)

Gender	2017	%	2018	%	2019	%
Male	54,454	29.73	54,311	29.60	53,717	29.42
Female	128,698	70.27	129,154	70.40	128,870	70.58
TOTAL	183,152	100.00	183,465	100.00	182,587	100.00

Source : School Management Division (Data as of 31st January 2019)

Percentage of Secondary School Teachers by Gender and Age Group (2019)

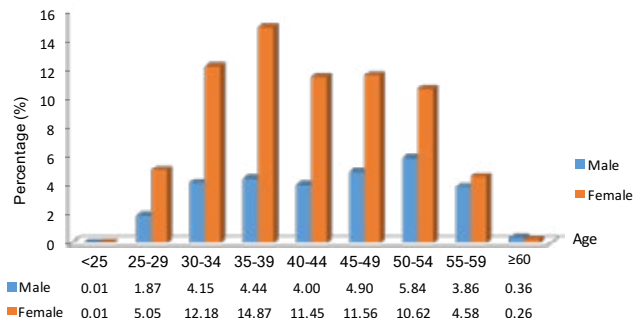


Table 5.8 Number of Teachers at Secondary Level by Gender and Age Group (2019)

Age Group	<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	≥60	TOTAL
Male	17	3,408	7,579	8,103	7,298	8,942	10,657	7,048	665	53,717
Female	21	9,217	22,234	27,155	20,903	21,108	19,395	8,368	469	128,870
TOTAL	38	12,625	29,813	35,258	28,201	30,050	30,052	15,416	1,134	182,587

Source : School Management Division (Data as of 31st January 2019)

B) Other Agencies

Table 5.9 Number of Teachers at Secondary Level in Private Institutions (2019)

Type of Schools	2019
Academic Secondary	1,507
Chinese Independent Secondary Schools	4,208
Religious Secondary	891
Correspondence Secondary School	0
TOTAL	6,606

Note : Data as of 31st January 2019

Source : Private Education Division, MOE

Table 5.10 Number of Teachers at Secondary Level in Institutions Under Other Government Agencies (2019)

Type of Schools	2019
People Religious Secondary School (SMAR)*	2,055
State Religious Secondary School (SMAN)*	4,008
MARA Junior Science Colleges (MJSC)	3,626
Royal Military College (RMC)	54
TOTAL	9,743

Note : Data as of 31st January 2019

* Data as of 28th February 2019

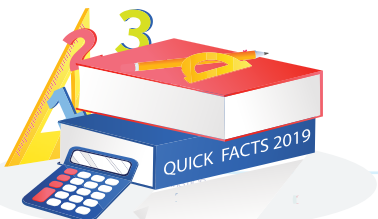
Source : State Religious Department, MARA, Royal Military College (Including 10 teachers from MOD)

Table 5.11 Number of Teachers at Private Institutions with Two Levels (Primary and Secondary) (2019)

Type of Schools	2019
Expatriate	273
International	7,306
Special Education	127
TOTAL	7,706

Note : Data as of 31st January 2019

Source : Private Education Division, MOE



6. PUBLIC EXAMINATIONS

Table 6.1 Primary School Achievement Test (UPSR) (2016-2018)

	2016			2017			2018		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Number of Registered Candidates	226,160	216,966	443,126	220,761	212,850	433,611	219,376	210,623	429,999
Number of Candidates Present	224,240	215,911	440,151	218,964	211,843	430,807	217,669	209,632	427,301
Number of Candidates with Minimum Competency Level*	130,552	162,137	292,689	130,920	162,594	293,514	128,744	159,261	288,005
% of Candidates with Minimum Competency Level	58.22	75.09	66.50	59.79	76.75	68.13	59.15	75.97	67.40
Number of Candidates with all 'A's**	1,619	3,276	4,895	3,204	5,754	8,958	3,160	5,833	8,993
% of Candidates with all 'A's	0.72	1.52	1.11	1.46	2.72	2.08	1.45	2.78	2.10
Number of Candidates with all 'E's	7,295	2,215	9,510	5,155	1,508	6,663	4,427	1,406	5,833
% of Candidates with all 'E's	3.25	1.03	2.16	2.35	0.71	1.55	2.03	0.67	1.37

Note : * Candidates obtaining grades A, B, C or D in all subjects taken i.e. six subjects for National Schools and eight subjects for National Type (C) and (T) Schools.

** A total of 6'A's for candidates in National Schools and 8'A's for candidates in National Type (C) and (T) School.

*** Starting 2017, UPSR reporting is no longer using the National Average Grade.

Source : Examination Syndicate, MOE

Table 6.2 Primary School Achievement Test (UPSR) for Private Candidates (2016-2018)

	2016			2017			2018		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Number of Registered Candidates	5,243	4,446	9,689	5,658	4,597	10,255	5,951	4,921	10,872
Number of Candidates Present	5,211	4,425	9,636	5,634	4,578	10,212	5,915	4,898	10,813
Number of Candidates with Minimum Competency Level*	3,850	3,773	7,623	4,306	3,989	8,295	4,507	4,329	8,836
% of Candidates with Minimum Competency Level	73.88	85.27	79.11	76.43	87.13	81.23	76.20	88.38	81.72
Number of Candidates with all 'A's	60	104	164	156	229	385	140	283	423
% of Candidates with all 'A's	1.15	2.35	1.70	2.77	5.00	3.77	2.37	5.78	3.91
Number of Candidates with all 'E's	75	20	95	78	15	93	69	15	84
% of Candidates with all 'E's	1.44	0.45	0.99	1.38	0.33	0.91	1.17	0.31	0.78

Note : * Candidates obtaining grades A, B, C or D in all subjects taken. Candidates include student enrolled in private school, educational institutions under other government agencies and private candidates.

** Starting 2017, UPSR reporting is no longer using the National Average Grade.

Source : Examination Syndicate, MOE

Table 6.3 Malaysian Certificate of Education (SPM) (2016-2018)

	2016			2017			2018		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Number of Registered Candidates*	180,560	195,447	376,007	179,492	200,479	379,971	169,951	187,292	357,243
Number of Candidates Present	176,594	193,329	369,923	175,733	198,488	374,221	166,009	185,279	351,288
Number of Passes **	138,034	175,633	313,667	139,033	179,852	318,885	132,760	170,583	303,343
% of Passes	78.16	90.85	84.79	79.12	90.61	85.21	79.97	92.07	86.35
Number of Candidates with all 'A's	2,730	4,435	7,165	2,920	4,398	7,318	2,688	4,183	6,871
% of Candidates with all 'A's	1.55	2.29	1.94	1.66	2.22	1.96	1.62	2.26	1.96
Number of Candidates with all 'G's	2,965	790	3,755	3,199	844	4,043	3,270	845	4,115
% of Candidates with all 'G's	1.68	0.41	1.02	1.82	0.43	1.08	1.97	0.46	1.17

Note : * Only candidates from Government Schools, Government-Aided Schools and Government-Aided Religious Schools.

** Students qualify for a certificate, provided they have a minimum pass (Grade E) in both Bahasa Melayu and Sejarah.

Source : Examination Syndicate, MOE

Table 6.4 Malaysian Certificate of Education (SPM) for Private Candidates (2016-2018)

	2016***			2017			2018		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Number of Registered Candidates	18,654	17,902	36,556	21,661	20,181	41,842	21,370	20,287	41,657
Number of Candidates Present*	17,914	17,571	35,485	20,924	19,845	40,787	20,494	19,859	40,353
Number of Passes **	14,338	15,825	30,163	16,892	17,709	34,601	16,935	18,072	35,007
% of Passes	80.04	90.06	85.00	80.73	89.24	84.83	82.63	91.00	86.75
Number of Candidates with all 'A's	674	808	1,482	820	992	1,812	702	863	1,565
% of Candidates with all 'A's	3.76	4.60	4.18	3.92	5.00	4.44	3.43	4.35	3.88
Number of Candidates with all 'G's	215	56	271	288	49	337	220	57	277
% of Candidates with all 'G's	1.20	0.32	0.76	1.38	0.25	0.83	1.07	0.29	0.69

Note : * Candidates include students enrolled in private schools, institutions under other government agencies and private candidates

** Data includes only those who have taken ≥ 6 subjects

Students qualify for a certificate, provided they have a minimum pass (Grade E) in both Bahasa Melayu and Sejarah

*** Data revised by Examination Syndicate, MOE

Source : Examination Syndicate, MOE

Table 6.5 Malaysia Vocational Certificate (SVM) (2015-2017)

	Year / Cohort											
	Cohort 2013						Cohort 2014					
	Session 1			Session 2			Session 1			Session 2		
	M	F	T	M	F	T	M	F	T	M	F	T
Number of Registered Candidates	10,037	5,424	15,461	493	179	672	10,306	5,639	17,187	420	43	463

	Year / Cohort														
	Cohort 2015				Cohort 2016				Cohort 2017						
	Session 1			Session 2	Session 1			Session 2	Session 1						
	M	F	T	M	F	T	M	F	T	M	F	T			
Number of Registered Candidates	10,734	6,365	17,099	-	-	-	9,726	5,337	15,063	337	87	424	9,746	5,026	14,772

	Year / Session qualify for SVM														
	2014			2015			2016								
	Session 2			Session 1			Session 1			Session 2					
	M	F	T	M	F	T	M	F	T	M	F	T			
Number of Candidates Present*	10,034	5,424	15,458	493	179	672	10,210	5,619	15,829	420	43	463	10,695	6,386	17,081
Number of Passes **	9,241	5,328	14,569	439	173	612	9,315	5,512	14,827	393	38	431	9,422	6,066	15,488
% of Passes	92.10	98.23	94.25	89.05	96.65	91.07	91.23	98.10	93.67	93.57	88.37	93.09	88.10	94.99	90.67

	Year / Session qualify for SVM											
	2017						2018					
	Session 1			Session 2			Session 1			Session 2		
	M	F	T	M	F	T	M	F	T	M	F	T
Number of Candidates Present*	-	-	-	9,726	5,337	15,063	337	87	424	9,425	4,949	14,374
Number of Passes **	-	-	-	8,300	5,073	13,373	238	86	324	7,673	4,615	12,288
% of Passes	-	-	-	85.34	95.05	88.78	70.62	98.85	76.42	81.41	93.25	85.49

Notes : * Candidates that attempt at least 1 subject in semester 4

** Candidates qualify for a certificate by fulfilling the requirements below:

1. Minimum grade E in 1104 - Bahasa Melayu
2. Minimum 2.00 in Academic CGPA
3. Competent all vocational module
4. Minimum 2.67 in Vocational CGPA

Data as of 30th Mac 2019

Data revised by Examination Syndicate, MOE

Source : Examination Syndicate, MOE

Table 6.6 Malaysian Higher School Certificate (STPM) (2016-2018)

	2016*			2017*			2018*		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Number of Registered Candidates	14,905	32,194	47,099	13,883	30,633	44,516	14,141	30,148	44,289
Number of Candidates Present	13,388	29,868	43,256	13,319	29,722	43,041	13,496	29,358	42,854
Number of Passes (based on the minimum CGPA of 2.0)	11,180	26,303	37,483	11,413	26,808	38,221	11,477	26,763	38,240
% of Passes (based on the minimum CGPA of 2.0)	83.51	88.06	86.65	85.69	90.20	88.80	85.04	91.16	89.23
Number of Passes (minimum full pass for one subject)	13,084	29,478	42,562	13,061	29,431	42,492	13,228	29,056	42,284
% of Passes (minimum full pass for one subject)	97.73	98.69	98.40	98.06	99.02	98.72	98.01	98.97	98.67

Source : Malaysian Examination Council, MOE

* Data revised by Malaysian Examination Council, MOE

Table 6.7 Malaysian Higher School Certificate (STPM) for Private Candidates (2016-2018)

	2016*			2017*			2018*		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Number of Registered Candidates	146	166	312	97	133	230	75	102	177
Number of Candidates Present	122	155	277	89	124	213	66	96	162
Number of Passes (based on the minimum CGPA of 2.0)	79	132	211	67	103	170	45	79	124
% of Passes (based on the minimum CGPA of 2.0)	64.75	85.16	76.17	75.28	83.06	79.81	68.18	82.29	76.54
Number of Passes (minimum full pass for one subject)	107	151	258	83	119	202	61	90	151
% of Passes (minimum full pass for one subject)	87.70	97.42	93.14	93.26	95.97	94.84	92.42	93.75	93.21

Source : Malaysian Examination Council, MOE

* Data revised by Malaysian Examination Council, MOE

Table 6.8 Malaysian Higher Religious Education Certificate (STAM) (2016-2018)

Year	2016**			2017			2018		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Number of Registered Candidates*	796	1,314	2,110	929	1,436	2,365	959	1,637	2,596
Number of Candidates Present	681	1,132	1,813	797	1,229	2,026	798	1,375	2,173
Number of Passes	503	845	1,348	580	934	1,514	598	1,080	1,678
% of Passes	73.86	74.65	74.35	72.77	76.00	74.73	74.94	78.55	77.22
National Average Grade	2.89	2.88	2.88	2.97	2.83	2.88	2.87	2.83	2.84

Note : * Only candidates from Government Schools and Government-Aided Religious Schools.

** Data revised by Examination Syndicate, MOE

Source : Examination Syndicate, MOE



Table 6.9 Malaysian Higher Religious Education Certificate (STAM) for Private Candidates and Candidates from Other Government Agencies (2016-2018)

Year	SMAN								
	2016**			2017			2018		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Number of Registered Candidates	1,786	2,831	4,617	2,012	2,939	4,951	1,982	2,914	4,896
Number of Candidates Present	1,448	2,360	3,808	1,540	2,394	3,934	1,575	2,392	3,967
Number of Passes	954	1,685	2,639	1,087	1,753	2,840	1,099	1,797	2,896
% of Passes	65.88	71.40	69.30	70.58	73.22	72.19	69.78	75.13	73.00
National Average Grade	3.08	2.96	3.00	2.97	2.94	2.95	3.01	2.90	2.94
Year	SMAR								
	2016**			2017			2018		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Number of Registered Candidates	348	332	680	329	375	704	509	470	979
Number of Candidates Present	309	302	611	292	339	631	431	429	860
Number of Passes	110	116	226	116	167	283	180	188	368
% of Passes	35.60	38.41	36.99	39.73	49.26	44.85	41.76	43.82	42.79
National Average Grade	3.88	3.77	3.82	3.79	3.56	3.66	3.71	3.67	3.69
Year	PRIVATE SCHOOL								
	2016**			2017			2018		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Number of Registered Candidates	13	17	30	28	24	52	26	31	57
Number of Candidates Present	10	16	26	26	24	50	25	30	55
Number of Passes	4	13	17	14	17	31	13	21	34
% of Passes	40.00	81.25	65.38	53.85	70.83	62.00	52.00	70.00	61.82
National Average Grade	3.65	2.71	3.07	3.50	2.91	3.22	3.41	3.02	3.19
Year	PRIVATE CANDIDATES								
	2016**			2017			2018		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Number of Registered Candidates	136	42	178	134	62	196	164	50	214
Number of Candidates Present	103	33	136	99	53	152	124	40	164
Number of Passes	47	9	56	42	23	65	47	17	64
% of Passes	45.63	27.27	41.18	42.42	43.40	42.76	37.90	42.50	39.02
National Average Grade	3.35	3.82	3.46	3.48	3.41	3.46	3.70	3.66	3.69

Notes : * Data for private candidates include those who have registered for STAM for the first time with 10 compulsory subjects.

** Data revised by Examination Syndicate, MOE

Source : Examination Syndicate, MOE



7. TEACHER EDUCATION

Table 7.1 Number of Institutes, Academic Personnel, Administration Personnel and Enrolment in Institutes of Teacher Education (ITE) (2017-2019)

	2017	2018	2019
Number of Institutes of Teacher Education	27	27	27
Academic Personnel	3,025	3,180	2,912
% Female	45.58	45.31	46.36
Administration Personnel	na	1,902	2,237
% Female	na	50.42	47.79
Total Enrolment	13,576	13,334	15,538
% Female	73.60	70.98	70.76

Note : Data as of 31st January 2019

Source : Institute of Teacher Education Malaysia, MOE

Table 7.2 Enrolment and Academic Personnel in Institutes of Teacher Education (2019)

Institute of Teacher Education	Enrolment			Academic Personnel			Administration Personnel		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1 IPG Kampus Perlis	88	205	293	42	30	72	35	38	73
2 IPG Kampus Darulaman	325	712	1,037	107	76	183	52	41	93
3 IPG Kampus Sultan Abdul Halim	37	153	190	52	45	97	46	43	89
4 IPG Kampus Pulau Pinang	231	502	733	62	71	133	60	39	99
5 IPG Kampus Tuanku Bainun	156	424	580	77	68	145	37	38	75
6 IPG Kampus Ipoh	171	839	1,010	124	83	207	58	37	95
7 IPG Kampus Bahasa Melayu	196	409	605	43	66	109	51	46	97
8 IPG Kampus Bahasa Antarabangsa	111	468	579	33	62	95	37	42	79
9 IPG Kampus Ilmu Khas	214	358	572	55	90	145	36	49	85
10 IPG Kampus Pendidikan Teknik	364	368	732	70	99	169	40	45	85
11 IPG Kampus Pendidikan Islam	460	714	1,174	69	87	156	36	48	84
12 IPG Kampus Raja Melewar	94	328	422	56	58	114	35	41	76
13 IPG Kampus Perempuan Melayu	19	483	502	62	69	131	44	43	87
14 IPG Kampus Tun Hussein Onn	81	236	317	46	39	85	38	31	69
15 IPG Kampus Temenggong Ibrahim	275	613	888	57	56	113	55	49	104
16 IPG Kampus Tengku Ampuan Afzan	198	677	875	70	29	99	44	35	79
17 IPG Kampus Dato' Razali Ismail	404	634	1,038	81	36	117	56	40	96
18 IPG Kampus Sultan Mizan	66	155	221	93	21	114	36	45	81
19 IPG Kampus Kota Bharu	40	125	165	82	39	121	39	35	74
20 IPG Kampus Gaya	167	416	583	44	50	94	36	33	69
21 IPG Kampus Kent	204	395	599	48	37	85	39	39	78
22 IPG Kampus Tawau	82	192	274	30	20	50	40	35	75
23 IPG Kampus Keningau	47	121	168	24	14	38	39	31	70
24 IPG Kampus Batu Lintang	225	591	816	52	41	93	47	39	86
25 IPG Kampus Sarawak	34	126	160	20	17	37	50	40	90
26 IPG Kampus Rajang	35	124	159	21	10	31	29	33	62
27 IPG Kampus Tun Abdul Razak	219	627	846	42	37	79	53	34	87
TOTAL	4,543	10,995	15,538	1,562	1,350	2,912	1,168	1,069	2,237

Note : IPGM - Institut Pendidikan Guru Malaysia (Institute of Teacher Education Malaysia)

Data as of 31st January 2019

Source : Institute of Teacher Education, MOE

8. TERTIARY EDUCATION - HIGHER EDUCATION SECTOR

Table 8.1 Number of Public Universities and Enrolment

Public Universities		Enrolment	
1	Universiti Malaya	UM	32,142
2	Universiti Sains Malaysia	USM	29,183
3	Universiti Kebangsaan Malaysia	UKM	33,113
4	Universiti Putra Malaysia	UPM	28,151
5	Universiti Teknologi Malaysia	UTM	31,992
6	Universiti Utara Malaysia	UUM	31,587
7	Universiti Islam Antarabangsa Malaysia	UIAM	30,870
8	Universiti Malaysia Sarawak	UNIMAS	16,377
9	Universiti Malaysia Sabah	UMS	17,785
10	Universiti Pendidikan Sultan Idris	UPSI	22,426
11	Universiti Teknologi MARA	UiTM	172,686
12	Universiti Sultan Zainal Abidin	UniSZA	12,411
13	Universiti Malaysia Terengganu	UMT	10,529
14	Universiti Sains Islam Malaysia	USIM	12,181
15	Universiti Tun Hussein Onn Malaysia	UTHM	17,862
16	Universiti Teknikal Malaysia Melaka	UTeM	13,857
17	Universiti Malaysia Pahang	UMP	12,748
18	Universiti Malaysia Perlis	UnIMAP	13,266
19	Universiti Malaysia Kelantan	UMK	8,953
20	Universiti Pertahanan Nasional Malaysia	UPNM	4,583
TOTAL			552,702

Note : Data as of 31st December 2018

Source : Planning and Policy Coordination Division, Higher Education Sector, MOE

Table 8.2 Entrants, Enrolment and Graduates at Public University by Fields of Study and Gender

Fields of study	Entrants			Enrolment			Graduate		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1 Education	3,236	8,798	12,034	10,138	26,061	36,199	2,104	6,221	8,325
2 Arts and Humanities	6,705	11,374	18,079	19,242	33,918	53,160	3,696	7,570	11,266
3 Social Sciences, Business and Law	20,321	44,380	64,701	58,764	123,823	182,587	11,152	28,064	39,216
4 Science, Mathematics and Computer	11,548	17,853	29,401	32,310	54,287	86,597	6,093	12,714	18,807
5 Engineering, Manufacturing and Construction	20,550	16,569	37,119	70,223	57,474	127,697	14,188	12,915	27,103
6 Agriculture and Veterinary	1,871	2,435	4,306	4,910	6,875	11,785	1,040	1,732	2,772
7 Health and Welfare	2,469	6,584	9,053	9,426	24,661	34,087	1,767	5,298	7,065
8 Services	3,104	4,320	7,424	8,372	11,608	19,980	1,804	2,987	4,791
9 General Programmes	269	336	605	269	341	610			
TOTAL	70,073	112,649	182,722	213,654	339,048	552,702	41,844	77,501	119,345

Note : Data as of 31st December 2018

Source : Planning and Policy Coordination Division, Higher Education Sector, MOE

8. TERTIARY EDUCATION - HIGHER EDUCATION SECTOR

Table 8.3 Percentage and Ratio of Students at Public Higher Education Institutes by Gender

Male		Female		Enrolment	Student Ratio Male to Female 1:1.6
Number	%	Number	%		
213,654	38.66	339,048	61.34	552,702	

Source : Planning and Policy Coordination Division, Higher Education Sector, MOE

Table 8.4 Enrolment and Percentage of International Students at Public Higher Education Institutes

Local Student	%	International Student	%	Total
522,361	94.51	30,341	5.49	552,702

Source : Planning and Policy Coordination Division, Higher Education Sector, MOE

Table 8.5 Enrolment and Percentage of Graduates at Public Higher Education Institutes

Under Graduate	%	Post Graduate	%	Others	%	Total
457,369	82.75	95,333	17.25	0	0.00	552,702

Note : 1. Undergraduate includes Advanced Diploma, Degree, Diploma, Matriculation, Professional, Pre Diploma, Certificate & Pre Session

2. Postgraduate includes Postgraduates Diploma, Masters and Ph.D

Source : Planning and Policy Coordination Division, Higher Education Sector, MOE

Table 8.6 Student and Academic Staff Ratio at Public Higher Education Institutes

Academic Staff (A)*	Enrolment (B)**	Ratio (A:B)
31,528	552,702	1:17.5

Note : * Academic Staff - data as of 31st December 2019

** Enrolment - data as of 31st October 2019

Source : Planning and Policy Coordination Division, Higher Education Sector, MOE

9. EDUCATIONAL EXPENDITURE

Table 9.1 Percentage of Actual Total Educational Expenditure Against Total Government Expenditure (2017-2019)

	Percentage (%)		
	2017	2018	2019
Educational Expenditure to Government Expenditure	16.92	21.25	19.03

Note : 1. Official Federal Government Expenditure Report for year 2018 has not been released by Accountant General's Department therefore figures exhibited are as per Budget Book
2. Data for year 2019 are as per Budget Book

Source : Finance Division, MOE

Table 9.2 Actual Educational Capital and Recurrent Expenditure at Current Price (2017-2019)

	(RM Millions)		
	2017	2018	2019
Capital	1,096	4,412	5,110
Recurrent Expenditure	43,783	55,553	55,128
TOTAL	44,879	59,965	60,238

Note : 1. Official Federal Government Expenditure Report for year 2018 has not been released by Accountant General's Department therefore figures exhibited are as per Budget Book
2. Data for year 2019 are as per Budget Book

Source : Finance Division, MOE

Table 9.3 Percentage of Actual Educational Capital and Recurrent Expenditure (2017-2019)

	Percentage (%)		
	2017	2018	2019
Capital	2.44	7.36	8.48
Recurrent Expenditure	97.56	92.64	91.52

Note : 1. Official Federal Government Expenditure Report for year 2018 has not been released by Accountant General's Department therefore figures exhibited are as per Budget Book
2. Data for year 2019 are as per Budget Book

Source : Finance Division, MOE

Table 9.4 Actual Educational Recurrent Expenditure by Category (2017-2019)

Category	RM (Millions)		
	2017	2018	2019
Emolument	35,688.82	37,743.84	39,033.12
Service & Supply	4,645.22	4,596.08	3,714.78
Asset	93.13	157.08	103.23
Fixed Charges & Grants	3,355.85	13,054.90	12,275.71
Other Expenditure	0.03	1.10	1.63
TOTAL	43,783.05	55,553.00	55,128.47

Note : 1. Official Federal Government Expenditure Report for year 2018 has not been released by Accountant General's Department therefore figures exhibited are as per Budget Book
2. Data for year 2019 are as per Budget Book

Source : Finance Division, MOE

Table 9.5 Percentage of Recurrent Educational Expenditure by Category (2017-2019)

Category	Percentage (%)		
	2017	2018	2019
Emolument	81.51	67.94	70.80
Services & Supply	10.61	8.27	6.74
Asset	0.21	0.28	0.19
Fixed Charges & Grants	7.66	23.50	22.27
Other Expenditure	0.00	0.00	0.00

Note : 1. Official Federal Government Expenditure Report for year 2018 has not been released by Accountant General's Department therefore figures exhibited are as per Budget Book
2. Data for year 2019 are as per Budget Book

Source : Finance Division, MOE

10. ECONOMIC INDICATORS

Table 10.1 Economic Indicators (2017- 2019)

GDP	2017	2018^p	2019^f
GDP: Real Growth Rate (%)	5.9	4.7	4.9
GNI: Per Capita (RM)	41,128	42,627	44,686
GDP Composition by Sector (% of growth)	2017	2018	2019^f
Agriculture, forestry and fishing	7.2	- 0.2	3.1
Mining and quarrying	1.0	- 0.6	0.7
Manufacturing	6.0	4.9	4.7
Construction	6.7	4.5	4.7
Services (including government services)	6.2	6.3	5.9
Inflation Rate [CPI] (% of growth)	3.7	1.0	2.5~3.5
Federal Government Finance (RM million)	2017	2018^e	2019^f
Revenue	220,406	235,460	261,814
Operating Expenditure	217,695	235,450	259,850
Development Expenditure	43,032	54,337	54,044
Employment by Sector (% of share)	2017^p	2018^p	2019^f
Agriculture, forestry and fishing	11.3	10.6	12.4
Mining and quarrying	0.7	0.6	0.5
Manufacturing	17.4	16.9	16.5
Construction	8.7	8.5	9.0
Services	61.9	63.4	61.6
Unemployment rate (%)	2017	2018	2019^f
	3.4	3.3	3.3
Labour Force (million persons)	2017	2018	2019^f
	14,952.6	15,280.3	15,576

Note : ^e Estimate

^f Forecast

^p Preliminary

Source : Department of Statistics Malaysia (DOSM); Economic Outlook 2019, Ministry of Finance (MOF).



11. DEMOGRAPHIC INDICATORS

Table 11.1 Population by Age Group (2017 - 2018)

Age Group	2017 (Number in Millions)		2018 ^e (Number in Millions)	
	Number	Percentage	Number	Percentage
0-3	2.1	6.5	2.1	6.4
4-5	1.1	3.3	1.0	3.2
6-11	3.0	9.4	3.0	9.4
12-14	1.6	4.9	1.5	4.8
15-16	1.1	3.5	1.1	3.4
17-18	1.1	3.6	1.2	3.6
19-23	3.2	9.9	3.2	9.7
24-29	3.9	12.2	4.0	12.2
30-39	5.2	16.2	5.3	16.4
40-49	3.7	11.5	3.7	11.5
50-59	3.0	9.3	3.0	9.4
60-69	1.9	6.0	2.0	6.1
70-79	0.9	2.7	0.9	2.8
80+	0.3	1.0	0.3	1.1
Total	32.0	100.0	32.4	100.0

Note : 1. Mid-Year Population Estimates were based on the adjusted Population and Housing Census of Malaysia 2010

2. The added total may differ due to rounding

3. ^e estimates

Source : Department of Statistics (DOS), Malaysia

Table 11.2 Population by State (2017- 2018)

State	2017 (Number in Millions)		2018 ^e (Number in Millions)	
	Number	Percentage	Number	Percentage
Johor	3.7	11.6	3.7	11.6
Kedah	2.1	6.7	2.2	6.7
Kelantan	1.8	5.7	1.9	5.7
Melaka	0.9	2.9	0.9	2.9
N. Sembilan	1.1	3.5	1.1	3.5
Pahang	1.6	5.1	1.7	5.1
Perak	2.5	7.8	2.5	7.7
Perlis	0.3	0.8	0.3	0.8
Pulau Pinang	1.7	5.4	1.8	5.5
Selangor	6.4	19.9	6.5	20.0
Terengganu	1.2	3.8	1.2	3.8
Sabah	3.9	12.0	3.9	12.0
Sarawak	2.8	8.6	2.8	8.6
WPKL	1.8	5.6	1.8	5.5
WP Labuan	0.1	0.3	0.1	0.3
WP Putrajaya	0.1	0.3	0.1	0.3
Total	32.0	100.0	32.4	100.0

Note : 1. Mid-Year Population Estimates were based on the adjusted Population and Housing Census of Malaysia 2010

2. The added total may differ due to rounding

3. ^e estimates

Source : Department of Statistics (DOS), Malaysia

Table 11.3 Population by Region and Strata (2017 - 2018)

REGION	POPULATION (in millions)			
	2017		2018 ^e	
	Urban	Rural	Urban	Rural
Peninsular Malaysia	20.1	5.2	20.5	5.1
Sabah & W.P Labuan	2.4	1.6	2.4	1.6
Sarawak	1.6	1.2	1.6	1.2
Total	24.1	7.9	24.5	7.9

Note : 1. Mid-Year Population Estimates were based on the adjusted Population and Housing Census of Malaysia 2010

2. The added total may differ due to rounding

3. ^eestimates

Source : Department of Statistics (DOS), Malaysia

Table 11.4 Population by Strata (2017 - 2018)

LOCATION	2017		2018 ^e	
	Population ('000)	%	Population ('000)	%
Urban	24,080.40	75.20	24,496.70	75.60
Rural	7,942.20	24.80	7,888.30	24.40
Total	32,022.60	100.00	32,385.00	100.00

Note : 1. Mid-Year Population Estimates were based on the adjusted Population and Housing Census of Malaysia 2010

2. The added total may differ due to rounding

3. ^eestimates

Source : Department of Statistics (DOS), Malaysia

Table 11.5 Birth, Death and Fertility Rates (2016 - 2018)

	2016	2017	2018 ^e
Crude birth rate (per 1,000 population)	16.10	15.90	15.80
Crude death rate (per 1,000 population)	5.10	5.30	5.10
Infant mortality rate (per 1,000 live births)	6.70	6.90	6.20
Total Fertility Rate (per woman aged 15-49 years)	2.00	1.90	1.90

Note : ^e estimate figure

Source : Department of Statistics (DOS), Malaysia

Table 11.6 Literacy Rate (2016-2018)

	2016			2017			2018		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Literacy Rate Age 10 and above (%)	97.50	94.60	96.00	97.70	94.80	96.30	97.60	94.90	96.30
Literacy Rate, Adult (Age 15+) (%)	97.20	94.00	95.60	97.50	94.20	95.90	97.40	94.40	95.90
Literacy Rate, Youth (Age 15-24) (%)	99.20	99.40	99.30	99.00	99.20	99.10	99.00	99.30	99.10

Note : 1. Definition of literacy : has received formal education

2. Population figures are derived from the Labour Force Survey and excludes non-Malaysian citizens

Source : Department of Statistics (DOS), Malaysia

Table 11.7 Educational Attainment (2016-2018)

	2016			2017			2018		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Educational Attainment, Ages 25+, No Formal Education (%)	4.1	8.1	6.0	3.7	7.8	5.7	4.1	7.7	5.8
Educational Attainment, Ages 25+, Primary (%)	19.7	19.7	19.7	19.2	18.5	18.8	18.8	18.1	18.5
Educational Attainment, Ages 25+, Secondary (%)	53.6	47.3	50.5	54.0	48.1	51.2	53.6	48.2	51.0
Educational Attainment, Ages 25+, Tertiary (%)	22.6	24.9	23.7	23.1	25.7	24.3	23.5	26.1	24.7

	2016			2017			2018		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Educational Attainment, Ages 15+, No Formal Education (%)	3.7	6.6	5.1	3.5	6.4	4.9	3.9	6.5	5.2
Educational Attainment, Ages 15+, Primary (%)	16.6	16.1	16.4	16.0	15.0	15.5	16.0	14.7	15.4
Educational Attainment, Ages 15+, Secondary (%)	55.5	49.2	52.5	56.0	50.0	53.1	55.5	50.0	52.8
Educational Attainment, Ages 15+, Tertiary (%)	24.1	28.1	26.0	24.5	28.6	26.4	24.7	28.8	26.7



12. MALAYSIA EDUCATION INDICATORS

Table 12.1 Enrolment Rates (2016-2018)

	2016	2017	2018
Primary*			
Enrolment	2,788,565	2,795,058	2,835,088
Population 6+ - 11+**	2,867,791	2,855,585	2,896,400
Enrolment Rate (%)	97.24	97.88	97.88
Lower Secondary			
Enrolment	1,392,659	1,378,001	1,354,572
Population 12+ - 14+**	1,480,105	1,426,890	1,422,071
Enrolment Rate (%)	94.09	96.57	95.25
Upper Secondary			
Enrolment	903,341	886,227	853,804
Population 15+ - 16+**	1,071,540	1,054,147	987,562
Enrolment Rate (%)	84.30	84.07	86.46
Post Secondary			
Enrolment***	180,589	184,388	186,948
Population 17+ - 18+**	1,065,493	1,046,975	1,051,267
Enrolment Rate (%)	16.95	17.61	17.78

Note : * Excluding pre-school enrolment in primary schools.

** Based on Live Birth

*** Including enrolment in Form 6, Matriculation Centres and ITE under the Ministry of Education

Source : Educational Planning and Research Division, MOE.

Table 12.2 Transition Rates: Primary to Lower Secondary and Lower Secondary to Upper Secondary Level (2016-2018)

	Percentage (%)		
	2016	2017	2018
From Year 6 to Form 1	96.05	97.52	96.81
From Form 3 to Form 4	96.04	97.12	96.76

Note : Data includes MOE, Private, MRSM, RMC, Religious Schools

Source : Educational Planning and Research Division

Table 12.3 Pupil-Teacher Ratio (2016-2018)

	Percentage (%)		
	2016	2017	2018
Primary	11.59	11.61	11.73
Secondary	11.97	11.75	11.31

Source : Educational Planning and Research Division

Table 12.4 Average Class Size (Pupils per Class) (2016-2018)

	2016	2017	2018
Primary	25.68	26.93	25.60
Secondary	26.45	25.70	25.18

Source : Malaysia Educational Statistics (2016-2018), EPRD, MOE.

Table 12.5 Average School Size (Pupils per School) (2016-2018)

	2016	2017	2018
Primary	345	346	347
Secondary	904	842	853

Source : Educational Planning and Research Division

Table 12.6 Percentage of Teachers in Primary Schools by Gender and Age Group (2018-2019)

Age Group	2018 Gender		2019 Gender	
	% Male	% Female	% Male	% Female
<25	0.42	1.15	0.13	0.25
25-29	3.46	6.76	2.84	5.44
30-34	3.95	10.96	3.31	8.40
35-39	6.59	17.05	6.25	16.51
40-44	4.55	11.73	5.26	13.71
45-49	4.51	10.95	4.62	11.88
50-54	4.15	8.83	4.39	9.39
55-59	1.94	3.00	2.46	4.64
≥60	0.01	0.00	0.25	0.27
Total	29.58	70.43	29.51	70.49

Source : School Management Division (e-Operasi - Data as of 31st January)

Table 12.7 Percentage of Teachers in Secondary Schools by Gender and Age Group (2018-2019)

Age Group	2018 Gender		2019 Gender	
	% Male	% Female	% Male	% Female
<25	0.05	0.15	0.01	0.01
25-29	2.53	6.85	1.87	5.05
30-34	4.53	15.05	4.15	12.18
35-39	4.30	13.38	4.44	14.87
40-44	4.10	11.05	4.00	11.45
45-49	5.28	11.46	4.90	11.56
50-54	5.80	9.38	5.84	10.62
55-59	2.98	3.08	3.86	4.58
≥60	0.03	0.01	0.36	0.26
Total	29.60	70.41	29.42	70.58

Source : School Management Division (e-Operasi - Data as of 31st January)

13. WORLD EDUCATION INDICATORS

Table 13.1 UIS Indicators – (Malaysia) Enrolment by Level of Education - Enrolment by ISCED Level

ISCED	Level of Education	Enrolment (2016)	Enrolment (2017)	Enrolment (2018)
0	Pre-School	943,022	988,393	999,557
1	Primary	3,101,007	3,084,630	3,084,630 ^P
2	Lower Secondary	1,391,757	1,379,597	1,348,161
3	Upper Secondary	1,367,896	1,365,042	1,244,809
4	Post Secondary	-	-	-
5	Short Cycle Tertiary	468,382	440,816	458,065
6	Bachelors Degree	674,598	677,178	685,571
7	Master	149,895	89,216	98,052
8	Ph.D	43,675	41,717	43,188

Note : 1. ISCED - International Standard Classification of Education
 2. * Revised data
 3. ^P Preliminary

Source : UNESCO Institute for Statistics (UIS)

Table 13.2 Gross Enrolment Ratio : Primary and Secondary Education

	Finland	Malaysia	Japan	Germany	Australia	Republic of Korea	UK	USA
Reference year	2016	2017	2016	2016	2017	2016	2016	2016
Primary	100	103	98	103	101	97	101	101
Secondary	152	86	102	102	151	100	152	99

Source : UNESCO Institute for Statistics (UIS)

Table 13.3 Transition Rate from Primary to Secondary Education (%)

	Finland	Malaysia	Japan	Germany	Australia	Republic of Korea	UK	USA
Reference year	2015	2016	2015	2015		2015		
Transition rate from primary to secondary	99.99	91.05	99.97	99.91	na	99.65	na	na

Source : UNESCO Institute for Statistics (UIS)

Table 13.4 Female Participation in Education (%)

	Finland	Malaysia	Japan	Germany	Australia	Republic of Korea	UK	USA
Reference year	2016	2017	2016	2016	2017	2016	2016	2016
Pre-primary	48.87	49.32	...	48.46	47.70	48.58	48.82	48.79
Primary	48.81	48.90	48.75	48.57	48.67	48.32	48.81	48.92
Secondary	51.21	49.88	48.83	47.12	45.78	47.72	51.48	48.79
Tertiary	53.28	52.32	47.46	48.25	57.59	41.26	56.39	56.07

Source : UNESCO Institute for Statistics (UIS)

Table 13.5 Pupil-Teacher Ratio

	Finland	Malaysia	Japan	Germany	Republic of Korea	UK	USA
Reference year	2016	2017	2016	2016	2016	2016	2015
Pre-primary	11.54	15.32	27.30	7.81	13.25	20.04*	13.76
Primary	13.32	11.66	15.87	12.15	16.31	15.05	14.46
Secondary	13.24	12.28	11.21	12.01	13.84	19.45	14.70

Note : 1. * = 2014

Source : UNESCO Institute for Statistics (UIS)

Table 13.6 School Life Expectancy

	Finland	Malaysia	Japan	Germany	Australia	Republic of Korea	UK	USA
Reference year	2016	2017	2016	2016	2017	2016	2016	2016
Pre-primary	3.34	1.93	2.60	3.25	1.67	2.94	2.22	2.15
Primary and secondary	14.67	11.33	12.04	13.12	15.66	11.77	16.14	12.00
Tertiary	4.31	2.14	3.18	3.16	5.41	4.62	2.89	4.03
Primary to Tertiary	19.32	13.47	15.23	17.10	22.10	16.39	19.03	16.27

Note : ... data not available

Source : UNESCO Institute for Statistics (UIS)

Table 13.7 Educational Attainment of the Population Aged 25 Years and Older

	Finland	Malaysia	Japan	Germany	Australia	Republic of Korea	UK	USA
Reference year	2015	2016	2010	2016	2016	2015	2014	2016
Population (000)	3,951	17,660	97,548	62,025	16,594	36,471	44,822	219,251
No Schooling (%)	x(13)	6.1	0.1	-	x(10)	3.5	0.1	0.4
Incomplete Primary (%)	x(13)	x(4)	x(U)	-	x(10)	1.0	-	0.8
Primary (%)	x(13)	19.7	x(LS)	3.5	7.0	9.8	-	3.3
Lower Secondary (%)	26.0	15.9	16.7	13.5	15.9	9.3	20.9	6.5
Upper Secondary (%)	38.9	37.4	39.9	47.3	29.2	36.1	29.7	45.6
Post-secondary non-tertiary (%)	0.8	2.0	x(US)	9.5	5.0	-	-	-
Short-Cycle Tertiary (%)	11.3	7.5	x(B)	0.6	11.1	11.6	8.0	10.1
Bachelors Degree (%)	11.8	9.7	29.9	14.0	22.7	24.2	17.1	20.8
Masters Degree (%)	10.2	1.3	x(B)	10.2	5.5	3.7	6.4	10.8
Doctoral Degree (%)	1.1	0.3	x(B)	1.3	1.1	0.8	0.9	1.9
Unknown (%)	-	-	13.4	0.2	2.6	-	17.0	-

Note : x(B) - Data included in Bachelors Degree

x(US) - Data included in Upper Secondary

x(LS) - Data included in Lower Secondary

x(P) - Data included in Primary

x(U) - Data included in Unknown

. data not applicable

- magnitude null or negligible

Source : UNESCO Institute for Statistics (UIS)

Table 13.8 Public Expenditure on Education (Initial Government Funding per Student as a Percentage of GDP per capita)

	Finland	Malaysia	Japan	Germany	Australia	Republic of Korea	UK	USA
Reference year	2015	2017		2015	2015	2015	2016	2015
Primary	22.0	16.4	...	17.5	18.9	30.4	25.7	19.9
Secondary	25.9	23.0	...	23.0	17.19	28.5	19.0	22.5*
Tertiary	34.6	25.2	...	34.0	21.54	15.3	36.9	21.3*

Note : 1. ... = missing
2. * = 2014

Source : UNESCO Institute for Statistics (UIS)

Table 13.9 Public Expenditure as Percentage of GDP (%)

	Finland	Malaysia	Japan	Germany	Australia	Republic of Korea	UK	USA
Reference year	2015	2017	2016	2015	2015	2015	2016	2015
Primary	1.44	1.60	1.14	0.62	1.69	1.67*	1.85	1.55
Secondary	2.66	1.99	1.34	2.01	1.62	2.09*	2.08	1.72
Tertiary	1.89	1.00	0.65	1.25	1.54	1.00*	1.34	1.37

Note : 1. * Revised data

Source : UNESCO Institute for Statistics (UIS)



14. MALAYSIA IN INTERNATIONAL ASSESSMENTS

Table 14.1 Programme for International Student Assessment (PISA)

Proportion of children and young people at the end of lower secondary education achieving at least a minimum proficiency level

Year	Reading			Mathematics			Science		
	Male	Female	All	Male	Female	All	Male	Female	All
2009	46.8	65.0	56.0	39.6	41.7	40.7	53.5	60.3	57.0
2012	37.1	56.8	47.3	45.9	50.4	48.2	51.3	57.5	54.5
2015	54.5	70.2	62.8	59.6	65.1	62.5	63.7	68.6	66.3

Note : Level 2 is considered the baseline for minimum proficiency level. The level of which students are able to:

- Science : engage in science-related issues as a critical and informed citizen.
- Reading : demonstrate the reading skills that will enable them to participate effectively and productively in life.
- Mathematics : use basic algorithms, formulae, procedures or conventions to solve problems involving whole numbers

Mean Performance Score

Year	Reading	Mathematics	Science
2009	414	404	422
2012	398	421	420
2015	431	446	443
OECD Average (2015)	493	490	493

Table 14.2 Trends in International Mathematics and Science Study (TIMSS)

Proportion of children and young people at the end of lower secondary education achieving at least a minimum proficiency level

Year	Mathematics			Science		
	Male	Female	All	Male	Female	All
2011	59.7	71.0	65.4	57.9	66.4	62.2
2015	73.4	78.1	75.8	74.2	88.5	77.4

Note : Minimum proficiency level refers to Low International Benchmark where:

- Mathematics : Students have some knowledge of whole numbers and basic graphs.
- Science: Students show some basic knowledge of Biology, Chemistry, Physics and Earth Science.

Source : International Association for the Evaluation of Educational Achievement (IEA), 2015

Average Scale Score

Year	Mathematics	Science
2011	440	426
2015	465	471

15. MALAYSIA IN INTERNATIONAL COMPETITIVENESS REPORTS

(Education related indicators only)

Table 15.1 UN E-Government Survey (Human Capital Index)

	2014	2016	2018
Adult literacy (%)	93.10	94.60	94.64
Gross enrolment ratio (%)	71.30	71.10	68.93
Expected years of schooling (years)	12.60	12.70	12.93
Mean years of schooling (years)	9.50	10.00	10.10
Score	0.77	0.70	~0.69
Component Ranking	106	93	100

Source: United Nation Department of Economics and Social Affairs (UNDESA)

Table 15.2 Global Innovation Index (Human Capital & Research)

	2017	2018
Expenditure on education, %GDP	4.98	4.80
Government expenditure/pupil, secondary, % GDP/capital	18.39	21.50
School life expectancy, years	12.93	13.70
PISA scales in reading, mathematics & science	412.74	412.70
Pupil-teacher ratio, secondary	12.02	13.20
Score	41.90	45.25
Component Ranking	35	31

Note : Human Capital & Research component consists of 12 indicators with 5 Education Indicators, 3 Tertiary Indicators and 4 Research & Development Indicators

Source : INSEAD and World Intellectual Property Organisation (WIPO), 2018

Table 15.3 The Global Competitiveness Report

Table 15.3.1 Health and Primary Education

	2016-2017	2017-2018
Quality of Primary Education (SD)	5.1	5.1
Primary Net Education Enrolment Rate (HD)	94.6	98.1
Score	6.1	6.3
Component Ranking	44	30

Note : Health and Primary Education Component consists of 10 indicators with 8 Health indicators and 2 Education indicators.

Table 15.3.2 Higher Education and Training

	2016-2017	2017-2018
Secondary Gross Education Enrolment Rate (HD)	79.0	77.6
Quality of Education System (SD)	5.3	5.2
Quality of Math and Science Education (SD)	5.2	5.3
Quality of Management Schools (SD)	5.3	5.3
Internet Access in Schools (SD)	5.4	5.3
Score	5.0	4.9
Component Ranking	41	24

Skills	2018-2019		
	Value	Score	Rank
Mean years of schooling	10.5	70.0=	49
Quality of vocational training	5.3	70.8↓	9
Skillset of graduates	5.3	71.8↑	6
Digital skills among population	5.4	73.1↑	11
School life expectancy	13.7	76.0↑	74
Critical thinking in teaching	4.7	61.8↓	16
Pupil-to-teacher ratio in primary education	11.6	96.0↓	18

Note : Higher Education and Training Component consists of 8 indicators with 1 Tertiary education indicator, 2 training indicators and 5 education indicators.

SD : Soft data from Executive Opinion Survey ; HD : Hard data sourced from UNESCO Institute for Statistics (UIS)

Source : World Economics Forum (WEF), 2018

Table 15.4 World Competitiveness Yearbook (Education)

	2017	2018
Total Public Expenditure on Education (%GDP)	4.9	4.5
Total Public Expenditure on Education per capita (USD)	466	423
Public Expenditure on Education per pupil Secondary	18.9	21.5
Pupil-Teacher Ratio (Primary)	11.7	11.5
Pupil-Teacher Ratio Secondary)	12.5	11.99
Secondary Gross Education Enrolment Rate	89.6	88.7
Educational Assessment (Mathematics)(PISA survey of 15-year olds)	446	446
Educational Assessment (Sciences)(PISA survey of 15-year olds)	420	443
Educational System meets the need of a competitive economy (SD)	6.0	5.98
Science in School is sufficiently emphasized (SD)	6.1	6.12
Language Skills are meeting the needs of enterprises (SD)	6.8	6.72
Component Ranking	40	34

Note : Data provided by MOE

SD : Soft data from Executive Opinion Survey

Source : Institute for Management Development (IMD), 2018

ABBREVIATIONS AND SYMBOLS

a	Category is not applicable
e	Estimate Figures
(C)	Chinese
F	Female
f	Forecast
M	Male
p	Preliminary figures
(T)	Tamil
nr	Not relevant
X	Data included in another category
.	Data not applicable
-	Magnitude null or negligible
na	not available
ABIM	Angkatan Belia Islam Malaysia (Muslim Youth Movement of Malaysia)
CFLD	Class For Learning Disabilities
CPI	Consumer Price Index
DOS	Department of Statistics
EPRD	Educational Planning and Research Division
F.T.	Federal Territory
GMT	Greenwich Mean Time
GDP	Gross Domestic Product
GNP	Gross National Product
MOHE	Ministry of Higher Education
ISCED	International Standard Classification of Education
JAKIM	Malaysia Department of Islamic Development
KEMAS	Jabatan Kemajuan Masyarakat (Department of Community Development)
MOE	Ministry of Education
MOF	Ministry of Finance
MOD	Ministry of Defence
NVTC	National Vocational Training Centre
PERPADUAN	National Unity and Integration Department
GARS	Government-Aided Religious School (Sekolah Agama Bantuan Kerajaan)
SEIP	Special Education Integration Programme
SRAN	Sekolah Rendah Agama Negeri (State Religious Primary School)
SRAR	Sekolah Rendah Agama Rakyat (People Religious Primary School)
SMAN	Sekolah Menengah Agama Rakyat (State Religious Secondary School)
SMAR	Sekolah Menengah Agama Rakyat (People Religious Secondary School)
ITEM	Institute of Teacher Education Malaysia
UIS	UNESCO Institute of Statistics

