

PENANG STATISTICS

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Preface

Penang Statistics is published once every three months. Initiated in 1999, this series collates data provided by government departments and private organisations at state and national level, for the use of policymakers, researchers, academics and investors. The statistics found herein are Penang-relevant, but key national economic statistics are also included, covering the areas of agriculture, fisheries, livestock, manufacturing, water, electricity, telecommunications, property, tourism, logistics, health and education.

This publication is divided into the following categories:

1. The demography of Penang by sex, ethnicity and distribution;
2. Key state economic indicators such as Gross Domestic Product (GDP) and inflation rate;
3. Economic activities, namely primary sector (agriculture, livestock and fisheries) secondary sector (manufacturing) and tertiary sector (utilities, transport, trade, logistics, tourism, property, education, health and education); and
4. Selected national statistics.

Penang Institute would like to thank all state and federal government departments as well as private organisations for their continuous support and assistance in contributing to the success of *Penang Statistics*. It is also hoped that this publication can act as a baseline guide for primary research that will keep policymakers informed of the latest trends affecting Penang.

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PHYSICAL ATTRIBUTES

AREA		
	State of Penang	1,049 sq. km
	Timur Laut	126 sq. km
	Barat Daya	175 sq. km
	Seberang Perai Utara (Butterworth)	268 sq. km
	Seberang Perai Tengah (B.Mertajam)	238 sq. km
	Seberang Perai Selatan (Nibong Tebal)	242 sq. km
LOCATION		
	Latitudes	5° 19'
	Longitudes	100° 19'

Note: The data is updated in 2018

Source: My Local Stats Pulau Pinang, Department of Statistics, Malaysia

DEMOGRAPHY

Penang: Estimated Population (in '000) and Distribution by Districts, 2014 – 2018

District	2014	2015	2016	2017	2018
Timur Laut	533.3	535.2	566.9	572.5	577.9
Barat Daya	214.7	217.6	224.9	228.0	231.1
Seberang Perai Utara	308.1	310.7	327.4	331.9	336.3
Seberang Perai Tengah	391.4	395.1	417.4	422.9	428.2
Seberang Perai Selatan	198.1	204.4	189.1	191.4	193.7
Penang	1,645.7	1,663.0	1,725.8	1,746.7	1,767.2

Note: The mid-year population estimates are based on the adjusted data from the Population and Housing Census Malaysia 2010. Slight discrepancies may occur due to rounding.

Source: My Local Stats Pulau Pinang, Department of Statistics, Malaysia

Penang: Estimated Population by Sex (in '000), 2014 – 2018

Gender	2014	2015	2016	2017	2018
Male	845.3	855.2	864.6	877.1	886.5
Female	832.8	842.9	853.0	867.0	876.3
Total	1,678.1	1,698.1	1,717.7	1,744.1	1,762.8

Note: The mid-year population estimates are based on the adjusted data from the Population and Housing Census Malaysia 2010. Slight discrepancies may occur due to rounding.

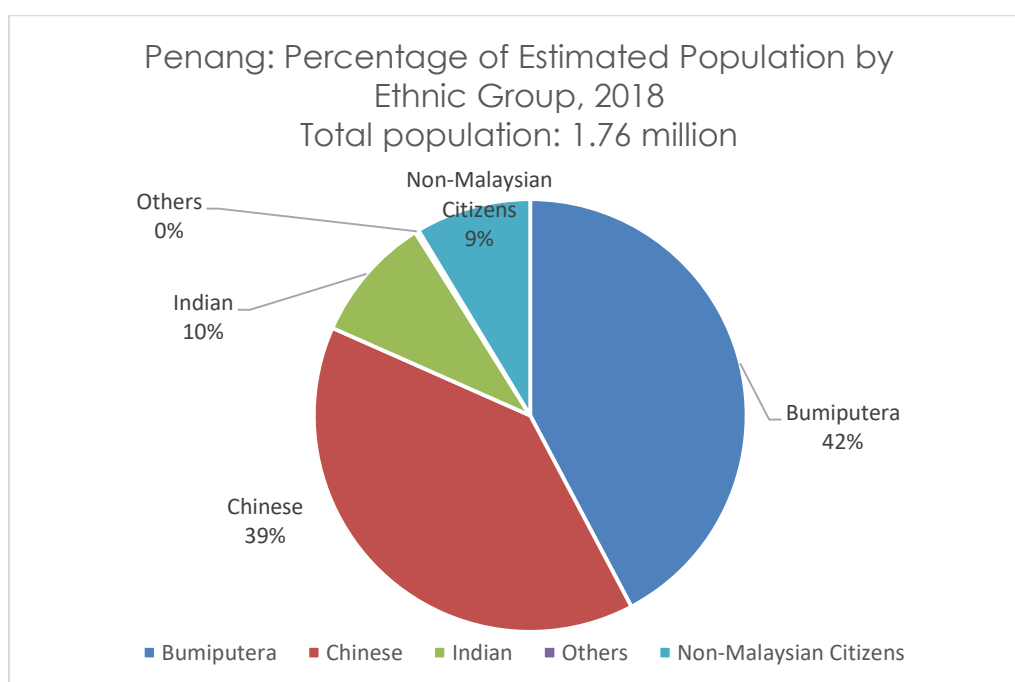
Source: Population Quick Info, Department of Statistics, Malaysia

Penang: Estimated Population by Ethnic Group (in '000), 2014 – 2018

Ethnic Group	2014	2015	2016	2017	2018
Malaysian Citizens	1,543.5	1,556.9	1,571.4	1,593.8	1,610.6
Bumiputera	693.1	701.6	711.8	728.6	744.8
Chinese	683.5	685.8	688.9	694.2	694.2
Indian	161.9	164.3	165.7	166.1	166.5
Others	5.0	5.2	5.0	5.0	5.0
Non-Malaysian Citizens	134.5	141.2	146.3	150.3	152.3
Total	1,678.1	1,698.1	1,717.7	1,744.1	1,762.8

Note: The mid-year population estimates are based on the adjusted data from the Population and Housing Census Malaysia 2010. Slight discrepancies may occur due to rounding.

Source: Population Quick Info, Department of Statistics, Malaysia



Source: Department of Statistics, Malaysia

ECONOMIC

Penang: Gross Domestic Product (In 2015–Constant Prices), 2015 – 2018

Sector	RM million				% change		
	2015	2016	2017e	2018p	2016	2017	2018
Agriculture	2,084	1,988	2,032	1,968	-4.6	2.2	-3.1
Mining & Quarrying	124	135	144	151	9.0	6.2	4.8
Manufacturing	33,597	35,411	37,426	39,460	5.4	5.7	5.4
Construction	2,712	2,984	2,689	2,586	10.0	-9.9	-3.8
Services	38,917	41,167	43,430	46,115	5.8	5.5	6.2
GDP	78,146	82,493	86,738	91,175	5.6	5.1	5.1

Note: Slight discrepancies may occur due to rounding.

Source: Department of Statistics, Malaysia

Penang: Consumer Price Index (2010=100), Jan – Mar 2019

Period	All groups	Food & non-alcoholic beverages	Alcoholic beverages & tobacco	Clothing & footwear	Housing, water, electricity, gas & other fuels	Furnishings, household equipment & routine	Health	Transport	Communication	Recreation services and culture	Education	Restaurant & hotels	Miscellaneous goods and services
2019													
Jan	122.3	137.5	164.1	94.9	121.6	115.0	127.3	109.3	95.1	110.8	118.7	131.5	118.4
Feb	122.7	137.9	164.3	94.3	122.2	115.4	127.8	110.0	95.1	110.5	118.7	132.3	118.5
Mar	123.0	137.5	165.5	94.2	122.2	115.5	128.3	113.4	95.1	110.4	118.7	132.3	119.0
% change (y-o-y)													
Jan	-0.2	1.0	1.9	-3.0	2.2	0.2	-0.9	-9.0	-0.9	0.5	0.3	1.0	-0.3
Feb	0.2	1.0	2.0	-3.6	2.5	0.8	-0.5	-8.0	-0.9	-0.2	0.3	1.5	0.3
Mar	0.6	1.0	2.1	-3.6	2.5	0.9	-0.4	-3.6	-0.8	-0.4	0.3	1.4	0.4

Source: Department of Statistics, Malaysia

PRIMARY SECTOR

AGRICULTURE

Penang: Agriculture Land Use by Crops (hectares), 2010 – 2018

Type	Year									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	
Paddy	12,782.0	12,782.0	12,782.0	12,782.0	12,782.0	12,782.0	12,782.0	12,782.0	12,782.0	12,782.0
Fruits	6,926.2	6,921.1	6,085.1	6,706.4	5,298.1	4,816.1	4,714.3	3,660.2	3,660.1	
Rubber	10,837.6	10,837.6	10,837.6	10,837.6	NA	NA	NA	NA	NA	
Oil Palm	13,595.0	13,864.6	13,864.6	13,480.0	14,204.0	14,447.0	14,135.0	13,563.0	13,800.0	
Vegetables	477.2	477.2	600.6	601.1	690.6	712.3	712.1	688.5	851.2	
Coconut	1,984.8	1,991.8	1,991.8	1,980.6	493.5	343.9	329.1	278.7	286.48	
Cocoa	9.4	8.2	8.2	8.2	2.0	2.0	0.0	0.0	0.0	
Cash Crops	273.8	274.11	198.5	207.45	194.62	159.2	216.5	212.6	212.6	
Spices	251.2	251.0	180.0	229.5	97.0	136.2	140.3	159.9	154.0	
Others	41.8	32.2	35.7	38.0	11.5	9.0	8.8	11.8	NA	
Total	47,179.0	47,439.8	46,584.0	46,870.9	33,773.3	33,407.8	33,038.1	31,356.6	31,746.4	

Note: Slight discrepancies may occur due to rounding.

NA: Not available

Source: Derived from the data provided by Department of Agriculture, Penang; Penang in Numbers 2014/2015 & 2015/2016, Penang State Economic Planning Division (BPEN); Malaysian Palm Oil Berhad (MPOB); and Rubber Industry Smallholders Development Authority (RISDA)

LIVESTOCK

Penang: Livestock Production, 2010 – 2018

Type	Year								
	2010	2011	2012	2013	2014	2015	2016	2017	2018
Meat ('000 Metric Tonnes)									
Cow & Buffalo	0.93	0.86	1.66	1.65	4.33	3.21	2.80	2.90	5.00
Goat & Sheep	0.02	0.02	0.11	0.20	0.26	0.22	0.21	0.25	0.41
Chicken & Duck	55.16	56.72	79.07	75.69	71.17	69.30	69.81	69.09	81.94
Pig	15.35	11.18	24.34	31.46	33.44	31.58	30.65	31.47	35.37
Quail	-	-	-	-	-	-	-	-	0.21
Turkey	-	-	-	-	-	-	-	-	0.04
Total	71.46	68.78	105.18	109.00	109.20	104.31	103.47	103.71	122.95

Source: Department of Veterinary Services, Penang

Penang: Production and Value of Livestock, 2017 & 2018

Commodity/Unit		2017			2018		
		Production	Value	Distribution	Production	Value	Distribution
		(Metric Tonnes)	(RM million)	%	(Metric Tonnes)	(RM million)	%
Meat	Cow, Buffalo	2,891.60	39.04	4.59	4,990.71	64.36	6.85
	Goat, Sheep	249.11	7.55	0.89	409.04	11.45	1.22
	Pig	31,471.80	278.21	32.74	35,367.00	279.40	29.73
	Chicken	69,086.75	438.96	51.65	81,058.34	483.28	51.43
	Duck				877.67	3.69	0.39
	Quail	127.40	2.10	0.25	207.53	3.42	0.36
	Turkey	48.36	1.35	0.16	43.00	1.20	0.13
Eggs	Chicken	235,635,244 quantity	78.53	9.24	239,119,300	81.94	8.72
	Duck				11,470,976	5.51	0.59
Fresh Milk		589,888 litre	4.14	0.49	564,350 litre	5.52	0.59
Total			849.88	100.0		939.77	100.0

Source: Department of Veterinary Services, Penang

FISHERIES

Penang: Landing Types, 2015 – 2018

		Production and value				% change (y-o-y)		
		2015	2016	2017	2018	2016	2017	2018
Fish	Metric Tonnes	27,550	33,137	22,175	21,689	20.3%	-33.1%	-2.2%
	RM (million)	181.12	272.85	244.36	234.44	50.6%	-10.4%	-4.1%
Prawns	Metric Tonnes	9,261	9,537	8,251	5,828	3.0%	-13.5%	-29.4%
	RM (million)	266.69	282.00	260.01	212.93	5.7%	-7.8%	-18.1%
Squid	Metric Tonnes	1,088	705	568	1,529	-35.2%	-19.4%	169.2%
	RM (million)	14.69	12.15	8.40	25.57	-17.3%	-30.8%	204.3%
Crab	Metric Tonnes	536	998	556	757	86.2%	-44.3%	36.2%
	RM (million)	11.25	26.04	13.84	17.58	131.4%	-46.9%	27.0%
Trash Fish (Ikan Baja)	Metric Tonnes	11,225	11,906	16,494	24,502	6.1%	38.5%	48.6%
	RM (million)	7.97	10.93	19.41	30.11	37.1%	77.6%	55.1%

Source: Department of Fisheries, Malaysia

SECONDARY SECTOR

MANUFACTURING

Penang: Approved Manufacturing Projects by Industry, Jan-Dec 2018

Industry	No.	Employment	Domestic Investment (RM million)	Foreign Investment (RM million)	Total Capital Investment (RM million)
Electronics & Electrical Products	11	3,892	3.9	1,479.4	1,483.3
Machinery & Equipment	32	1,625	1,055.3	222.2	1,277.5
Petroleum Products (Incl. Petrochemicals)	1	103	0.0	1,063.0	1,063.0
Transport Equipment	9	1,019	433.6	24.0	457.6
Plastic Products	7	549	34.5	373.6	408.1
Fabricated Metal Products	22	802	254.2	63.1	317.3
Furniture & Fixtures	1	417	0.0	240.0	240.0
Scientific & Measuring Equipment	4	336	3.2	211.5	214.7
Paper, Printing & Publishing	5	253	108.8	0.0	108.8
Non-Metallic Mineral Products	3	157	78.2	4.0	82.1
Chemical & Chemical Products	6	84	52.9	5.7	58.6
Miscellaneous	1	178	45.1	0.0	45.1
Food Manufacturing	4	55	14.8	6.9	21.7
Basic Metal Products	1	20	2.0	0.1	2.1
Wood & Wood Products	1	9	1.0	0.0	1.0
Total (Jan-Dec 2018)	108	9,499	2,087.6	3,693.4	5,781.0
Total (Jan-Dec 2017)	120	13,553	2,271.4	8,540.5	10,811.9

Note: Slight discrepancies may occur due to rounding. Data is subject to adjustments and revisions by MIDA.

Source: Malaysian Investment Development Authority (MIDA)

Approved Manufacturing Projects by State, Jan – Dec 2018

State	No.	Domestic Investment (RM million)	Foreign Investment (RM million)	Total Capital Investment (RM million)
Johor	144	6,474.6	24,040.1	30,514.7
Selangor	241	8,110.4	10,837.0	18,947.4
Sarawak	11	6,400.6	2,259.1	8,659.7
Pahang	15	456.5	7,571.9	8,028.4
Pulau Pinang	108	2,087.6	3,693.4	5,781.0
Terengganu	11	320.9	4,582.5	4,903.4
Melaka	42	2,479.3	773.1	3,252.4
Negeri Sembilan	40	826.4	1,604.4	2,430.8
Kedah	41	759.5	1,626.8	2,386.3
Perak	37	949.1	937.8	1,886.9
Sabah	13	181.4	45.9	227.3
Kuala Lumpur	10	141.4	25.6	167.1
Kelantan	6	76.7	24.6	101.2
Labuan	1	81.0	0.0	81.0
Perlis	1	8.0	0.0	8.0
Total	721	29,353.4	58,022.2	87,375.6

Note: Slight discrepancies may occur due to rounding. Data is subject to adjustments and revisions by MIDA.

Source: Malaysian Investment Development Authority (MIDA)

TERTIARY SECTOR

UTILITIES

WATER

Penang: Water Production and Consumption (Million Litres), 2011 – 2018

Year	Production	% Increase	Consumption	% Increase
2011	347,123	-0.6%	283,159	-0.8%
2012	352,762	1.6%	290,625	2.6%
2013	360,709	2.3%	295,109	1.5%
2014	363,198	0.7%	296,898	0.6%
2015	370,286	2.0%	296,662	-0.1%
2016	385,641	4.1%	302,627	2.0%
2017	386,052	0.1%	301,617	-0.3%
2018	391,652	1.4%	306,574	1.6%

Source: Penang Water Supply Corporation (PBA)

Penang: Daily Water Supply and Consumption, 2017 and 2018

	2017			2018		
	Penang Island	Seberang Perai	Penang State	Penang Island	Seberang Perai	Penang State
No. of Treatment Plants	6	3	9	6	3	9
Max. Capacity of Treatment Plants (million litres/day)	310.1	1,307.0	1,617.1	292.1	1,307.0	1,599.1
Average Daily Production (million litres/day)	463.8	593.9	1,057.7	463.8	609.2	1,073.0
Average Daily Consumption (million litres/day)	369.3	457.0	826.3	369.7	470.2	839.9
No. of Services (consumers)	297,718	306,829	604,547	303,441	312,641	616,082
Daily Consumption ('000 litre)						
Per Consumer	1.24	1.49	1.37	1.22	1.50	1.36
Per Industrial Consumer	3.93	4.01	3.97	3.89	4.10	3.99
Per Domestic Consumer	0.83	1.03	0.93	0.82	1.04	0.93

Source: Penang Water Supply Corporation (PBA) and author's own calculation.

ELECTRICITY

Penang: Power Demand & Supply, 2007 – 2018

Year	Maximum Demand (MW)	Installed Capacity (MW)	Excess Capacity %
2007	1,284	3,294	61.0%
2008	1,361	3,294	58.7%
2009	1,074	3,213	66.6%
2010	1,283	3,213	60.1%
2011	1,230	3,213	61.7%
2012	1,280	3,303	61.2%
2013	1,360	3,334	59.2%
2014	1,508	3,456	56.4%
2015	1,524	3,456	55.9%
2016	1,622	3,456	53.1%
2017	1,594	4,680	65.9%
2018	1,615	4,710	65.7%

Note: Excluding demand of 132kV customers supplied via direct 132kV connection.

Source: Tenaga Nasional Berhad, Penang

TELECOMMUNICATIONS

Direct Exchange Line (DEL) Penetration Rate per 100 Households by State, Q1 2018 – Q1 2019

State	2018				2019
	Q1	Q2	Q3	Q4	Q1
Johor	27.4	26.5	26.1	24.7	23.0
Kedah & Perlis	19.5	18.6	18.0	16.8	17.4
Kelantan	13.7	13.4	13.3	12.7	12.2
Melaka	31.3	30.1	29.3	27.8	25.9
Negeri Sembilan	30.8	29.8	28.9	27.4	25.3
Pahang	20.9	20.3	20.1	19.0	17.6
Perak	30.7	29.5	29.0	26.6	24.7
Pulau Pinang	30.7	29.5	28.3	26.6	24.3
Sabah	11.9	11.3	10.8	10.1	9.5
Sarawak	15.8	14.9	14.1	12.9	11.5
Selangor	14.9	14.3	13.9	13.1	11.7
Terengganu	23.3	22.5	21.8	20.4	18.8
W.P. Kuala Lumpur	7.8	7.5	7.5	7.1	6.4
W.P. Labuan	23.1	21.9	21.0	19.2	17.3

Notes: Direct Exchange Line (DEL) connects a customer's equipment to the Public Switched Telephone Network (PSTN) and has a dedicated port on a telephone exchange. The penetration rate refers to the total DELs to residential only.

Source: Malaysian Communications and Multimedia Commission (MCMC)

Mobile Cellular Penetration Rate per 100 Inhabitants by State, 2016 – Q1 2019

State	2016	2017	2018	Q1 2019
Johor	144.8	137.2	148.7	148.4
Kedah	122.9	101.6	109.6	111.0
Kelantan	127.9	121.5	106.4	107.5
Melaka	135.7	151.3	136.3	124.0
Negeri Sembilan	155.0	150.1	157.1	148.2
Pahang	130.9	109.0	111.6	110.4
Perak	121.6	133.4	133.8	127.5
Perlis	131.7	171.7	123.3	119.0
Pulau Pinang	138.6	127.9	145.5	147.5
Sabah	112.7	112.4	81.7	82.1
Sarawak	120.7	124.2	108.2	110.5
Selangor	167.2	138.2	124.1	129.3
Terengganu	141.8	133.1	117.9	104.1
W.P. Kuala Lumpur	207.9	185.7	235.3	237.0
W.P. Labuan	110.4	99.8	73.7	62.0
W.P. Putrajaya	158.2	112.4	74.9	80.8
Malaysia	139.9	131.2	130.2	131.4

Note: Mobile-cellular penetration rate per 100 inhabitants are from the Hand Phone Users Survey conducted by the MCMC annually.

Source: Malaysian Communications and Multimedia Commission (MCMC)

Broadband Penetration Rate per 100 Inhabitants by State, Q1 2018 – Q1 2019

State	2018				2019
	Q1	Q2	Q3	Q4	Q1
Johor	143.7	143.1	141.9	139.5	146.9
Kedah	88.0	89.5	90.5	95.6	100.5
Kelantan	78.4	80.4	80.8	87.2	90.9
Melaka	112.2	113.4	112.4	116.4	124.0
Negeri Sembilan	134.4	136.2	138.0	141.0	147.1
Pahang	89.3	90.5	91.1	96.9	102.0
Perak	107.6	111.5	115.1	114.1	121.2
Perlis	88.4	96.1	100.3	102.6	107.7
Pulau Pinang	138.1	134.0	131.9	138.9	148.5
Sabah	67.9	75.6	74.9	76.4	81.3
Sarawak	91.3	92.2	93.0	107.0	112.3
Selangor	131.8	129.9	127.8	131.5	138.5
Terengganu	85.0	87.4	87.8	90.7	92.4
WP Kuala Lumpur	220.7	226.3	243.8	240.8	245.6
WP Labuan	73.2	73.6	74.0	72.0	71.7
WP Putrajaya	87.4	92.4	92.5	90.2	93.0
Malaysia	115.9	117.9	118.6	121.1	127.1

Source: Malaysian Communications and Multimedia Commission (MCMC)

TRANSPORT

ROAD TRANSPORT

New Motor Vehicle Registration, Oct 2018 – Mar 2019

Month	Region	Motorcycle	Private Car	Bus	Taxi	Car Rental	Goods Vehicle	Others	Total
2018									
Oct	Penang	2,662	194	2	0	2	263	64	3,187
	Malaysia	50,793	45,596	86	50	795	3,644	1,402	102,366
Nov	Penang	2,127	206	2	2	1	256	52	2,646
	Malaysia	41,290	45,419	82	39	896	2,906	1,215	91,847
Dec	Penang	2,146	202	3	1	0	230	71	2,653
	Malaysia	44,725	45,759	58	23	1,031	3,369	1,236	96,201
2019									
Jan	Penang	2,888	330	5	0	0	193	49	3,465
	Malaysia	59,578	50,212	91	16	423	2,966	1,314	114,600
Feb	Penang	1,960	127	1	1	1	110	18	2,218
	Malaysia	41,196	38,432	40	16	195	1,849	817	82,545
Mar	Penang	2,448	247	3	0	9	214	41	2,962
	Malaysia	52,595	54,319	101	41	504	3,155	1,231	111,946
Jan-Mar	Penang	7,296	704	9	1	10	517	108	8,645
2019	Malaysia	153,369	142,963	232	73	1,122	7,970	3,362	309,091
Jan-Mar	Penang	9,493	1,514	9	1	20	720	142	11,899
2018	Malaysia	137,384	137,354	311	163	814	9,231	4,187	289,444
%	Penang	-23.1	-53.5	0.0	0.0	-50.0	-28.2	-23.9	-27.3
change (y-o-y)	Malaysia	11.6	4.1	-25.4	-55.2	37.8	-13.7	-19.7	6.8

Source: Road Transport Department, Malaysia

TRADE

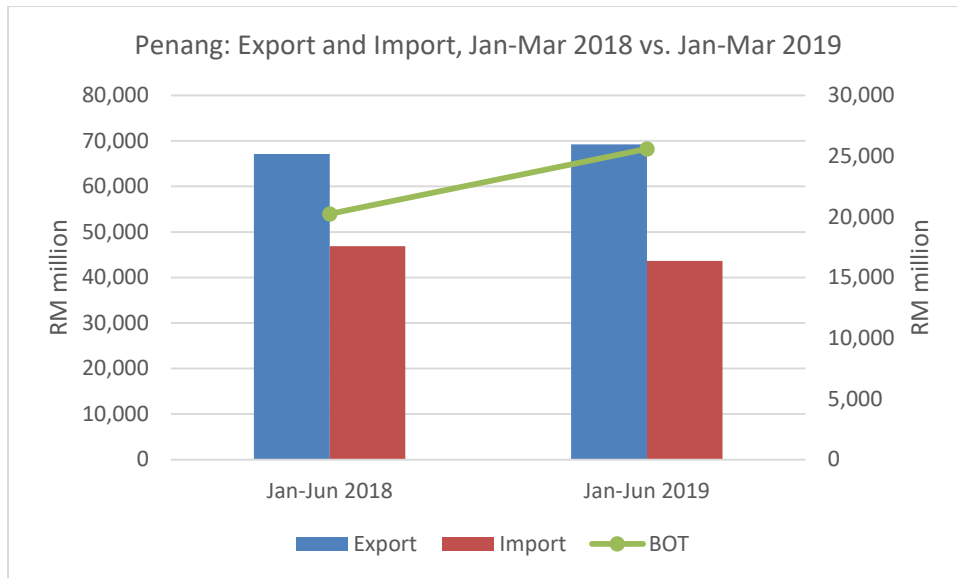
TRADE BALANCE

Export, Import and Balance of Trade, Jan – Mar 2019 (RM million)

	MALAYSIA			PENANG		
	Export	Import	BOT	Export	Import	BOT
Jan	85,400	73,886	11,514	26,428	16,119	10,309
Feb	66,599	55,543	11,056	18,576	12,511	6,065
Mar	84,063	69,679	14,384	24,235	15,010	9,225
Jan-Mar 2019	236,063	199,108	36,955	69,238	43,640	25,598
Jan-Mar 2018	238,660	204,515	34,146	67,122	46,867	20,254
% change (y-o-y)	-1.1	-2.6	8.2	3.2	-6.9	26.4

Note: For Penang data, it is captured at the exit and entry points of Penang port and airport. Slight discrepancies may occur due to rounding.

Source: Department of Statistics, Malaysia



Source: Department of Statistics, Malaysia

LOGISTICS

PENANG AIRPORT

Passenger Movements (Domestic & International), Jan – Mar 2019

Month	No. of Passengers		
	Domestic	International	Total
Jan	354,027	302,763	656,790
Feb	359,238	294,537	653,775
Mar	387,918	319,976	707,894
Jan-Mar 2019	1,101,183	917,276	2,018,459
Jan-Mar 2018	1,022,464	828,025	1,850,489
% change (y-o-y)	7.7	10.8	9.1

Note: Passenger movements refer to arrival, departure and transit.

Source: Malaysia Airports Holdings Berhad

Aircraft Movements (Arrival & Departure), Jan – Mar 2019

Month	No. of Movement		
	Arrival	Departure	Total
Jan	3,109	3,105	6,214
Feb	2,937	2,939	5,876
Mar	3,265	3,261	6,526
Jan-Mar 2019	9,311	9,305	18,616
Jan-Mar 2018	8,863	8,865	17,728
% change (y-o-y)	5.1	5.0	5.0

Note: Aircraft movements refer to both domestic and international.

Source: Malaysia Airports Holdings Berhad

Cargo Handled (Domestic & International), Jan – Mar 2019

Month	Cargo Handled (in kg)		
	Domestic	International	Total
Jan	1,025,820	11,147,658	12,173,478
Feb	755,075	8,565,656	9,320,731
Mar	1,074,051	11,699,558	12,773,609
Jan-Mar 2019	2,854,946	31,412,872	34,267,818
Jan-Mar 2018	2,877,430	31,174,927	34,052,357
% change (y-o-y)	-0.8	0.8	0.6

Note: Cargo handled refers to arrival, departure and transit.

Source: Malaysia Airports Holdings Berhad

PENANG PORT

Number of Ship Calls, Jan – Mar 2019

Month	Domestic	Foreign	Total
Jan	212	301	513
Feb	205	233	438
Mar	219	347	566
Jan-Mar 2019	636	881	1,517
Jan-Mar 2018	656	947	1,603
% change (y-o-y)	-3.0	-7.0	-5.4

Source: Penang Port Sdn Bhd

Gross Registered Tonnage (Domestic & Foreign), Jan – Mar 2019

Month	Domestic	Foreign	Total
Jan	2,436,134	4,795,446	7,231,580
Feb	2,244,996	3,735,228	5,980,224
Mar	2,352,214	5,179,982	7,532,196
Jan-Mar 2019	7,033,344	13,710,656	20,744,000
Jan-Mar 2018	7,330,734	13,396,879	20,727,613
% change (y-o-y)	-4.1	2.3	0.1

Source: Penang Port Sdn Bhd

Type of Cargo Handled, Jan – Mar 2019

Month	(freight weight tonnes)				Container
	General Cargo	Dry Bulk	Liquid Bulk	Containerised	(TEUs)
Jan	122,066	408,510	324,351	1,885,118	114,107
Feb	77,183	300,338	347,762	1,741,146	110,208
Mar	123,623	253,048	328,240	2,063,231	140,215
Jan-Mar 2019	322,872	961,896	1,000,353	5,689,495	364,530
Jan-Mar 2018	366,347	1,124,740	1,040,543	5,739,819	371,270
% change (y-o-y)	-11.9	-14.5	-3.9	-0.9	-1.8

Source: Penang Port Sdn Bhd

TOURISM

Penang: Average Occupancy Rate, Jan – Mar 2019

	2018			2019		
	Jan	Feb	Mar	Jan	Feb	Mar
Average Occupancy Rate (%)	59.38	58.24	63.71	54.28	56.01	57.17
Average Occupancy Rate for Beach Hotels (%)	66.04	66.95	69.06	60.88	63.01	61.73
Average Occupancy for City Hotels (%)	58.08	56.58	63.20	52.08	53.81	55.39
Average Occupancy for Hotels in Seberang Perai (%)	55.50	52.99	57.79	55.24	56.32	58.99

Source: Malaysian Association of Hotels (Penang Chapter)

PROPERTY

Penang: House Price Index, Q1 2014 – Q1 2019

Year	Indices				
	Terraced	High-Rise	Detached	Semi-Detached	All Houses
Weight (2010=100)	34.2	52.2	3.6	9.9	100.0
2014 Q1	143.7	169.0	147.4	149.9	153.5
2014 Q2	149.6	174.3	153.3	148.2	158.1
2014 Q3	154.0	178.9	159.5	157.3	163.1
2014 Q4	155.4	178.5	163.1	161.0	164.4
2015 Q1	154.6	182.3	168.2	164.7	165.6
2015 Q2	157.0	186.2	165.1	164.4	168.5
2015 Q3	163.7	192.1	166.4	168.2	174.2
2015 Q4	165.2	195.6	173.2	176.4	177.3
2016 Q1	161.1	193.8	171.9	179.6	176.9
2016 Q2	162.4	198.2	175.5	179.1	179.1
2016 Q3	167.5	205.7	173.9	180.0	183.8
2016 Q4	164.6	205.8	169.7	179.9	182.9
2017 Q1	170.2	208.1	180.2	183.3	187.2
2017 Q2	174.1	205.7	185.2	191.0	189.3
2017 Q3	176.9	209.4	186.7	193.4	192.3
2017 Q4	175.0	205.8	188.8	195.0	190.5
2018 Q1	173.7	202.6	197.3	204.1	190.4
2018 Q2	173.6	196.0	203.6	209.6	189.0
2018 Q3	176.2	201.5	204.8	215.4	193.1
2018 Q4	178.3	201.3	208.2	215.8	194.2
2019 Q1	179.4	205.5	210.1	211.7	195.8

Source: National Property Information Centre (NAPIC)

Penang: Number of Transactions by Price Range for the Principal Property Sub-Sectors

Price Range (RM)	Year	Residential	Commercial	Industrial	Agricultural	Development Land	Others	Total
50,000 & below	Q1 2018	111	5	1	201	98	1	417
	Q4 2018	95	15	2	87	52	1	252
	Q1 2019	103	10	12	107	53	0	285
50,001 – 100,000	Q1 2018	321	31	3	103	52	0	510
	Q4 2018	357	13	3	41	55	1	470
	Q1 2019	330	27	7	68	58	0	490
100,001 – 150,000	Q1 2018	376	19	1	47	30	1	474
	Q4 2018	433	24	6	35	31	0	529
	Q1 2019	383	17	9	51	32	0	492
150,001 – 200,000	Q1 2018	311	19	4	40	31	0	405
	Q4 2018	393	14	3	19	18	0	447
	Q1 2019	308	32	6	28	31	0	405
200,001 – 250,000	Q1 2018	245	25	2	28	23	0	323
	Q4 2018	328	32	1	16	11	0	388
	Q1 2019	277	24	2	26	16	0	345
250,001 – 300,000	Q1 2018	222	17	2	24	6	0	271
	Q4 2018	269	15	4	14	17	0	319
	Q1 2019	257	21	7	18	15	0	318
300,001 – 400,000	Q1 2018	362	47	9	39	8	0	465
	Q4 2018	396	31	6	15	15	0	463
	Q1 2019	383	27	6	21	13	0	450
400,001 – 500,000	Q1 2018	230	41	3	13	14	0	301
	Q4 2018	256	37	19	18	14	0	344
	Q1 2019	242	37	6	24	3	0	312
500,001 – 1,000,000	Q1 2018	568	88	22	39	34	0	751
	Q4 2018	550	88	41	42	43	0	764
	Q1 2019	486	93	20	35	21	0	655
1,000,001 & Above	Q1 2018	203	47	41	25	44	0	360
	Q4 2018	262	83	67	36	67	0	515
	Q1 2019	196	59	30	20	39	0	344
Total	Q1 2018	2,949	339	88	559	340	2	4,277
	Q4 2018	3,339	352	152	323	323	2	4,491
	Q1 2019	2,965	347	105	398	281	0	4,096

Source: National Property Information Centre (NAPIC)

Penang: Value of Transactions (RM million) by Price Range for the Principal Property Sub-Sectors

Price Range (RM)	Year	Residential	Commercial	Industrial	Agricultural	Development Land	Others	Total
50,000 & below	Q1 2018	4.52	0.19	0.03	5.14	2.70	0.02	12.59
	Q4 2018	3.44	0.40	0.10	2.20	1.62	0.04	7.79
	Q1 2019	3.91	0.38	0.27	2.93	1.52	0.00	9.01
50,001 – 100,000	Q1 2018	24.66	2.60	0.20	7.33	4.08	0.00	38.87
	Q4 2018	27.36	0.97	0.21	3.07	4.00	0.05	35.66
	Q1 2019	24.72	2.32	0.51	4.97	4.51	0.00	37.03
100,001 – 150,000	Q1 2018	48.37	2.57	0.12	5.75	3.65	0.13	60.58
	Q4 2018	56.08	3.06	0.72	4.24	3.66	0.00	67.76
	Q1 2019	48.64	2.13	1.12	6.42	4.10	0.00	62.41
150,001 – 200,000	Q1 2018	55.14	3.31	0.79	7.07	5.26	0.00	71.57
	Q4 2018	69.88	2.44	0.55	3.34	3.20	0.00	79.41
	Q1 2019	54.69	5.83	1.08	4.98	5.62	0.00	72.20
200,001 – 250,000	Q1 2018	55.97	5.67	0.48	6.40	5.21	0.00	73.74
	Q4 2018	76.17	7.48	0.25	3.62	2.43	0.00	89.94
	Q1 2019	64.13	5.63	0.45	6.02	3.75	0.00	79.98
250,001 – 300,000	Q1 2018	62.65	4.60	0.55	6.62	1.63	0.00	76.06
	Q4 2018	75.75	4.26	1.05	3.77	4.76	0.00	89.59
	Q1 2019	72.26	5.93	1.91	4.83	4.19	0.00	89.11
300,001 – 400,000	Q1 2018	126.90	16.27	3.42	13.89	2.84	0.00	163.32
	Q4 2018	139.52	11.36	2.14	5.10	5.30	0.00	163.42
	Q1 2019	136.09	9.82	2.10	7.24	4.30	0.00	159.55
400,001 – 500,000	Q1 2018	104.38	18.88	1.35	5.93	6.34	0.00	136.87
	Q4 2018	117.43	17.06	8.84	8.01	6.26	0.00	157.61
	Q1 2019	110.68	17.32	2.86	10.82	1.39	0.00	143.08
500,001 – 1,000,000	Q1 2018	389.91	64.44	14.83	27.90	24.09	0.00	521.17
	Q4 2018	377.17	63.82	29.90	31.07	30.98	0.00	532.93
	Q1 2019	330.33	67.97	12.75	24.14	15.29	0.00	450.48
1,000,001 & Above	Q1 2018	370.21	138.32	198.14	66.50	227.79	0.00	1,000.96
	Q4 2018	519.03	186.52	369.60	83.51	328.81	0.00	1,487.46
	Q1 2019	363.51	123.06	101.92	192.45	150.30	0.00	931.24
Total	Q1 2018	1,242.71	256.85	219.90	152.52	283.61	0.15	2,155.74
	Q4 2018	1,461.82	297.36	413.35	147.93	391.02	0.09	2,711.57
	Q1 2019	1,208.98	240.38	124.97	264.81	194.97	0.00	2,034.10

Source: National Property Information Centre (NAPIC)

EDUCATION

Penang: Number of Schools, Students & Teachers at the Pre-School Level, 2018

Type of School	No. of Schools	No. of Students	No. of Teachers
Public [#]	162*	7,602	324
Private	451	20,113	2,068
Total	613	27,715	2,392

[#] as of Jun 2019, * Pre-schools that are located in either primary or secondary schools.

Source: Buku Perangkaan Pendidikan Malaysia, Ministry of Education, Malaysia

Penang: Number of Schools, Students & Teachers at the Primary Level, as of Jun 2018

Type of School	No. of Schools	No. of Students	No. of Teachers
SK/SRK	149	78,969*	6,761
SJK (C)	90	45,376	3,158
SJK (T)	28	5,383	537
SK (Khas)	3	105	75
SR Agama	1	357	31
Total	271	130,190	10,562

* Includes Year 4-6 in Special Model Schools

Source: Buku Perangkaan Pendidikan Malaysia, Ministry of Education, Malaysia

Penang: Number of Schools, Students & Teachers at the Secondary Level, as of Jun 2018

Type of School	No. of Schools	No. of Students*	No. of Teachers
SM Berasrama Penuh	2	1,335	138
SM Khas	1	141	50
SM Teknik & Kolej Vokasional ^b	7	4,147	635
SMK ^a	103	96,296	8,023
SMK Agama	15	5,859	650
Total	128	107,778	9,496

Note: * Refers to the total of secondary and post-secondary (Form 6), ^a Includes Special Model Schools, ^b Includes Form 6 College

Source: Buku Perangkaan Pendidikan Malaysia, Ministry of Education, Malaysia

HEALTH

Penang: Life Expectancy at Birth, 2012 – 2018

	2012	2013	2014	2015	2016	2017	2018 ^e
Male	71.2	72.3	72.3	72.4	72.3	72.3	72.5
Female	77.5	77.5	77.5	77.6	77.7	77.7	77.7

^e Estimate

Source: Penang State Health Department (for data from 2012 to 2013); and Pulau Pinang @ a Glance, Department of Statistics, Malaysia (for data from 2014 onwards)

Penang: Health Manpower, 2017 – 2018

Post	2017		2018	
	No. of Post	Post Filled	No. of Post	Post Filled
Total Number of State Health Department Manpower	13,633	12,424	13,838	12,844
Management & Professional				
Medical Officer	1,948	1,812	1,889	1,629
Dental Officer	217	196	217	198
Pharmacist	571	533	571	573
Others	493	452	296	276
Paramedic & Auxiliary				
Assistant Environmental Health Officer	249	20	258	238
Assistant Medical Officer	711	691	742	699
Nurse	3,603	3,521	3,599	3,547
Community Nurse	1,046	961	1,072	951
Radiographer	175	159	190	163
Occupational Therapist	82	73	82	77
Physiotherapist	88	85	88	82
Medical Laboratory Technologist	310	281	310	285
Assistant Pharmacist	190	178	190	176
Dental Nurse	182	181	182	173
Dental Technologist	43	38	43	40
Medical Technologist	2	0	2	0

Source: Penang State Health Department

Penang: Number of Beds, Bed Occupancy Rate (BOR) & Average Length of Stay (ALOS) for Government Hospitals, 2017 – 2018

Hospital	No. of Bed		B.O.R (%)		A.L.O.S (day)	
	2017	2018	2017	2018	2017	2018
Hospital Pulau Pinang	1,136	1,163	68.70	69.93	4.96	4.92
Hospital Seberang Jaya	393	393	84.94	96.28	3.67	3.71
Hospital Bukit Mertajam	242	242	69.64	71.98	3.19	3.30
Hospital Kepala Batas	108	134	88.06	72.38	2.67	2.52
Hospital Sungai Bakap	105	105	49.95	50.00	3.70	3.32
Hospital Balik Pulau	81	81	50.45	53.97	3.06	3.10
Total	2,065	2,118	71.24	73.61	4.04	4.01

B.O.R. – Bed Occupancy Rate

A.L.O.S. – Average Length of Stay

Source: Penang State Health Department

Penang: 10 Principal Causes of Deaths* in Government Hospitals, 2018

No.	Main Causes of Deaths	2018	
		No. of Deaths	%
1	Diseases of the respiratory system	874	20.32
2	Diseases of the circulatory system	866	20.13
3	Certain infectious and parasitic diseases	696	16.18
4	Neoplasms	469	10.90
5	Diseases of the genitourinary system	277	6.44
6	Endocrine, nutritional and metabolic diseases	252	5.86
7	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	248	5.77
8	Diseases of the digestive system	184	4.28
9	Diseases of the nervous system	82	1.91
10	Diseases of the skin and subcutaneous tissue	80	1.86
	Total Deaths (10 Main Causes)	4,028	93.65
	Other causes	273	6.35
	Total Hospital Deaths	4,301	100.00

Note: The percentage of total death discharge calculation is based on UCOD/COD/for main cause of death diagnosis with ICD-10 code.

Source: Penang State Health Department (updated in Jan 2020)

SELECTED NATIONAL STATISTICS

Malaysia: Gross Domestic Product by Sector, Q1 2018 – Q1 2019

Component	RM million				
	2018 (Q1)	2018 (Q2)	2018 (Q3)	2018 (Q4)	2019 (Q1)
National Accounts (GDP) at current price	343,151	348,847	363,085	379,383	361,968
Agriculture	26,877	26,239	29,659	27,561	25,805
Mining and Quarrying	34,657	34,018	33,260	34,731	34,212
Manufacturing	74,379	78,103	79,907	80,863	76,695
Electricity, Gas and Water	8,801	9,262	9,657	9,831	9,648
Construction	17,365	16,688	17,768	17,307	17,889
Wholesale and Retail Trade, Hotel and Restaurants	64,994	67,231	73,211	79,174	71,126
Transport, Storage and Communication	31,479	32,571	33,147	34,013	34,539
Finance, Insurance, real estate and business services	37,493	37,314	38,644	41,259	40,953
Other Services	14,839	15,244	15,588	17,905	18,151
Government Services	27,040	27,567	28,990	32,346	28,789
Less : Imputed bank service charges	-	-	-	-	-
Plus : import duties	5,227	4,610	3,255	4,394	4,162
National Accounts (GDP) at 2010 price	295,288	300,211	311,704	357,074	341,710
Agriculture	22,406	21,948	25,709	25,944	24,593
Mining and Quarrying	25,048	23,832	22,630	27,118	26,111
Manufacturing	67,342	70,844	71,586	79,327	75,660
Electricity, Gas and Water	7,446	7,714	7,875	9,138	9,298
Construction	14,093	13,530	14,517	16,418	16,656
Wholesale and Retail Trade, Hotel and Restaurants	52,511	54,795	59,336	73,758	67,400
Transport, storage and Communication	29,309	30,390	31,031	32,977	33,398
Finance, Insurance, real estate and business services	34,264	34,146	35,404	39,766	39,540
Other Services	13,232	13,473	13,825	17,143	17,217
Government Services	25,154	25,633	26,967	31,424	27,983
Less : Imputed bank service charges	-	-	-	-	-
Plus : import duties	4,484	3,907	2,825	4,062	3,853

Note: Data is subject to adjustments with the revisions carried out by Bank Negara Malaysia.

Source: Bank Negara Malaysia

Malaysia: Currency Exchange Rates, Jan – Mar 2019

Period (RM as at)	USD	GBP	EUR	JPY100	AUD	SGD
Jan	4.1161	5.3068	4.7037	3.7814	2.9415	3.0350
Feb	4.0746	5.2976	4.6203	3.6880	2.9060	3.0092
Mar	4.0790	5.3774	4.6124	3.6696	2.8884	3.0125

Note: All exchange rates are the average of buying and selling interbank rates at noon.

Source: Department of Statistics Malaysia

Malaysia: National Indices and Employment Data, Q1 2019

	Unit Description	Latest Period	Latest Data	Previous Period
Industrial Production Index	2015=100	Mar-19	115.6	103.8
Employment	(million persons)	Q1/19	15.010	14.933
		Mar-19	15.035	15.027
	% of labour force	Q1/19	96.7	96.7
		Mar-19	96.6	96.7
Unemployment	(million persons)	Q1/19	0.517	0.517
		Mar-19	0.521	0.516
	% of labour force	Q1/19	3.3	3.3
		Mar-19	3.4	3.3
Average salaries and wages per employee in manufacturing sector	RM per month	Mar-19	3,732.9	3,705.7
Consumer Price Index	2010=100	Mar-19	121.1	120.8
Producer Price Index	2010=100	Mar-19	104.7	105.0

Note: Slight discrepancies may occur due to rounding.

Source: Bank Negara Malaysia

Malaysia: Federal Government Accounts, 2013 – 2018

Component	RM million					
	2013	2014	2015	2016	2017	2018p
Public Sector Operations						
General Government						
Revenue	192,388	202,036	215,999	222,401	224,306	227,486
Operating Expenditure	236,983	241,305	243,302	236,434	245,121	260,923
Non-financial public enterprises' Operating Surplus	137,402	121,954	78,221	90,691	117,206	96,208
Public Sector Current Account	92,808	82,685	50,918	76,658	96,391	62,771
Net Development Expenditure	139,391	164,483	140,425	139,055	139,456	143,284
Public Sector Overall Balance	-46,584	-81,798	-89,507	-62,397	-43,065	-80,513
Domestic Financing	57,136	52,439	64,566	58,416	55,944	80,673
Bank	34,835	59,053	16,152	35,072	47,560	81,339
Non-Bank	22,301	-6,614	48,414	23,344	8,384	-666
Foreign Borrowing	683	3,133	18,642	313	-3,198	8,605

^p Preliminary

Source: Bank Negara Malaysia

Malaysia: Producer Price Index (2010=100), Jan – Mar 2019

Period	Total	Food	Beverages and tobacco	Crude materials, inedible	Mineral fuels, lubricants, etc.	Animal and vegetable oils and fats	Chemicals	Manufactured goods	Machinery and transport equipment	Miscellaneous manufactured articles
Weight	100.0	7.5	1.3	5.8	21.1	9.3	8.6	13.7	25.6	7.3
Jan	104.4	127.5	114.0	78.3	114.6	84.1	109.9	107.7	102.6	104.4
Feb	105.0	126.9	113.2	78.8	116.0	85.9	109.7	107.0	103.6	104.0
Mar	104.7	125.7	113.3	74.2	116.5	85.8	110.8	107.1	103.6	103.7
% change (y-o-y)										
Jan	-3.6	-1.3	-0.3	-17.4	1.9	-16.4	-4.2	-0.9	-2.2	-3.6
Feb	-1.6	-0.6	-1.4	-15.7	5.2	-13.8	-3.7	-1.5	1.3	-3.3
Mar	-1.5	-1.5	-0.9	-17.6	5.8	-12.8	-2.7	-1.4	1.4	-3.3

Source: Department of Statistics, Malaysia

Malaysia: Consumer Price Index (2010=100), Jan – Mar 2019

Period	All groups	Food & non-alcoholic beverages	Alcoholic beverages & tobacco	Clothing & footwear	Housing, water, electricity, gas & other fuels	Furnishings, household equipment & routine	Health	Transport	Communication	Recreation services and culture	Education	Restaurant & hotels	Miscellaneous goods and services
Weight	100.0	29.5	2.4	3.2	23.8	4.1	1.9	14.6	4.8	4.8	1.3	2.9	6.7
2019													
Jan	120.5	132.9	167.5	94.8	120.1	115.5	121.8	110.7	96.1	111.4	118.8	131.1	111.9
Feb	120.8	133.1	167.4	94.7	120.7	115.8	122.0	111.2	96.1	111.6	119.3	131.3	111.8
Mar	121.1	132.5	167.5	94.8	120.7	116.1	122.3	114.1	96.1	111.5	119.4	131.3	112.2
% change (y-o-y)													
Jan	-0.7	1.0	1.1	-3.3	2.0	-0.3	-0.5	-7.8	-1.3	-0.4	0.9	1.2	-2.4
Feb	-0.4	1.0	1.1	-3.2	2.0	0.1	-0.4	-6.8	-1.2	-0.4	1.3	1.3	-2.2
Mar	0.2	1.1	1.1	-3.0	2.0	0.3	-0.2	-3.0	-1.1	-0.4	1.3	1.0	-2.0

Source: Department of Statistics, Malaysia

Malaysia: Industrial Production Index (2015=100), Jan – Mar 2019

Period	All Divisions	Mining	Manufacturing	Electricity
Weight	100.0	25.14	68.25	6.61
2018				
Jan	113.8	109.1	115.7	111.3
Feb	102.0	95.4	104.4	102.3
Mar	112.1	105.6	114.0	116.8
2019				
Jan	117.4	108.1	120.6	120.0
Feb	103.8	90.6	108.3	107.3
Mar	115.6	105.4	118.7	122.3
% change (y-o-y)				
Jan	3.2	-0.9	4.2	7.8
Feb	1.7	-5.0	3.7	4.9
Mar	3.1	-0.2	4.1	4.8

Source: Department of Statistics, Malaysia

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