

PENANG STATISTICS

QUARTER 4, 2019



PENANG
INSTITUTE
making ideas work

10 Brown Road, 10350 George Town, Penang
Tel: (04) 228 3306 | Fax: (04) 226 7042
E-mail: enquiry@penanginstitute.org
Website: www.penanginstitute.org

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.

Table of Contents

PHYSICAL ATTRIBUTES	3
DEMOGRAPHY	3
<i>Penang: Estimated Population (in '000) and Distribution by Districts, 2014 – 2018</i>	3
<i>Penang: Estimated Population by Sex (in '000), 2015 – 2019</i>	3
<i>Penang: Estimated Population by Ethnic Group (in '000), 2015 – 2019</i>	4
ECONOMIC	4
<i>Penang: Gross Domestic Product (In 2015–Constant Prices), 2015 – 2018</i>	4
<i>Penang: Consumer Price Index (2010=100), Jan – Dec 2019</i>	5
PRIMARY SECTOR	6
AGRICULTURE	6
<i>Penang: Agriculture Land Use by Crops (hectares), 2010 – 2018</i>	6
LIVESTOCK	6
<i>Penang: Livestock Production, 2010 – 2019</i>	6
<i>Penang: Production and Value of Livestock, 2018 & 2019</i>	7
FISHERIES	7
<i>Penang: Landing Types, 2015 – 2018</i>	7
SECONDARY SECTOR	8
MANUFACTURING	8
<i>Penang: Approved Manufacturing Projects by Industry, Jan-Sep 2019</i>	8
<i>Approved Manufacturing Projects by State, Jan – Sep 2019</i>	9
TERTIARY SECTOR	9
UTILITIES	9
WATER	9
<i>Penang: Water Production and Consumption (Million Litres), 2011 – 2019</i>	9
<i>Penang: Daily Water Supply and Consumption, 2018 and 2019</i>	10
ELECTRICITY	10
<i>Penang: Power Demand & Supply, 2007 – 2019</i>	10
TELECOMMUNICATIONS	11
<i>Direct Exchange Line (DEL) Penetration Rate per 100 Households by State, Q1 2018 – Q3 2019</i>	11
<i>Mobile Cellular Penetration Rate per 100 Inhabitants by State, 2018 – Q3 2019</i>	11
<i>Broadband Penetration Rate per 100 Inhabitants by State, Q1 2018 – Q3 2019</i>	12
TRANSPORT	13
ROAD TRANSPORT	13
<i>New Motor Vehicle Registration, Jan – Dec 2019</i>	13
TRADE	14
TRADE BALANCE	14
<i>Export, Import and Balance of Trade, Jan – Dec 2019 (RM million)</i>	14
LOGISTICS	15
PENANG AIRPORT	15
<i>Passenger Movements (Domestic & International), Jan – Dec 2019</i>	15
<i>Aircraft Movements (Arrival & Departure), Jan – Dec 2019</i>	16
<i>Cargo Handled (Domestic & International), Jan – Dec 2019</i>	16
PENANG PORT	17
<i>Number of Ship Calls, Jan – Sep 2019</i>	17
<i>Gross Registered Tonnage (Domestic & Foreign), Jan – Sep 2019</i>	17
<i>Type of Cargo Handled, Jan – Sep 2019</i>	18
TOURISM	18
<i>Penang: Average Occupancy Rate, Jan – Sep 2019</i>	18
PROPERTY	19

Penang: House Price Index, Q1 2014 – Q3 2019	19
Penang: Number of Transactions by Price Range for the Principal Property Sub-Sectors	20
Penang: Value of Transactions (RM million) by Price Range for the Principal Property Sub-Sectors.....	21
EDUCATION	22
Penang: Number of Schools, Students & Teachers at the Pre-School Level, 2019.....	22
Penang: Number of Schools, Students & Teachers at the Primary Level, as of Jun 2019	22
Penang: Number of Schools, Students & Teachers at the Secondary Level, as of Jun 2019.....	22
HEALTH	22
Penang: Life Expectancy at Birth, 2012 – 2019	22
Penang: Health Manpower, 2017 – 2018.....	23
Penang: Number of Beds, Bed Occupancy Rate (BOR) & Average Length of Stay (ALOS) for Government Hospitals, 2017 – 2018.....	23
Penang: 10 Principal Causes of Deaths* in Government Hospitals, 2018.....	24
SELECTED NATIONAL STATISTICS	25
Malaysia: Gross Domestic Product by Sector, Q4 2018 – Q4 2019.....	25
Malaysia: Currency Exchange Rates, Jan – Dec 2019	26
Malaysia: National Indices and Employment Data, Q4 2019	26
Malaysia: Federal Government Accounts, 2013 – 2018	27
Malaysia: Producer Price Index (2010=100), Jan – Dec 2019.....	28
Malaysia: Consumer Price Index (2010=100), Jan – Dec 2019.....	29
Malaysia: Industrial Production Index (2015=100), Jan – Dec 2019.....	30

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), 2015 – 2019

Gender	2015	2016	2017	2018	2019e
Male	855.2	864.6	877.1	886.5	893.0
Female	842.9	853.0	867.0	876.3	881.7
Total	1,698.1	1,717.7	1,744.1	1,762.8	1,774.6

e: Estimate

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

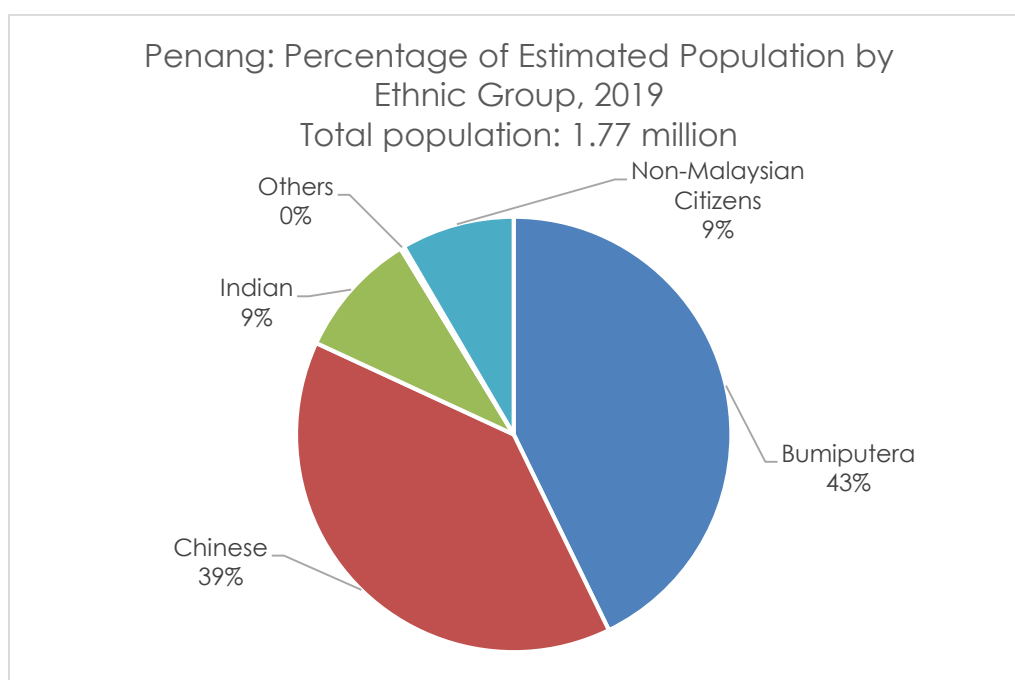
Penang: Estimated Population by Ethnic Group (in '000), 2015 – 2019

Ethnic Group	2015	2016	2017	2018	2019e
Malaysian Citizens	1,556.9	1,571.4	1,593.8	1,610.6	1,625.2
Bumiputera	701.6	711.8	728.6	744.8	759.5
Chinese	685.8	688.9	694.2	694.2	693.9
Indian	164.3	165.7	166.1	166.5	166.8
Others	5.2	5.0	5.0	5.0	5.1
Non-Malaysian Citizens	141.2	146.3	150.3	152.3	149.4
Total	1,698.1	1,717.7	1,744.1	1,762.8	1,774.6

e: Estimate

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 – Dec 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
Apr	123.1	137.4	165.4	94.3	122.2	115.3	128.1	114.0	95.1	110.4	118.7	132.8	119.6
May	123.2	137.3	165.4	94.0	122.4	115.4	128.2	114.1	95.1	110.5	118.7	132.8	119.3
Jun	123.1	137.3	165.2	93.8	122.4	115.5	128.1	113.7	95.1	110.5	118.7	132.8	119.9
Jul	123.4	138.1	165.2	93.4	122.4	115.4	128.2	113.8	95.1	110.5	118.8	133.3	120.3
Aug	123.7	138.6	164.8	93.3	122.9	115.5	128.4	113.6	95.1	110.5	118.8	133.3	121.0
Sep	123.7	138.4	164.8	93.3	122.9	115.2	128.5	113.8	95.1	110.9	118.8	133.4	121.5
Oct	123.8	138.3	164.8	93.2	123.0	115.5	128.7	114.1	95.9	110.9	118.8	133.4	121.2
Nov	124.0	138.5	165.1	93.1	123.4	115.5	129.3	114.0	95.9	110.9	118.8	133.5	121.6
Dec	124.0	138.7	164.3	92.7	123.4	115.4	129.1	114.1	95.9	110.9	118.7	133.6	121.2
% 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
Apr	0.7	1.0	2.0	-3.8	2.5	0.7	-1.0	-3.1	-0.8	-0.4	0.3	1.2	0.5
May	0.7	1.0	2.0	-3.8	2.5	0.6	-0.9	-3.0	-0.7	-0.3	0.3	1.2	0.2
Jun	2.2	2.8	3.2	-0.8	2.9	2.9	1.2	-2.6	2.4	3.5	0.3	2.1	3.5
Jul	2.1	3.0	3.8	-1.3	2.5	2.4	1.0	-2.5	2.4	3.5	0.4	2.4	3.4
Aug	2.0	3.1	3.7	-1.7	2.0	2.5	1.0	-2.7	2.5	3.5	0.4	2.3	4.2
Sep	1.5	2.6	3.6	-1.8	1.9	1.5	1.4	-2.7	0.0	0.8	0.6	1.8	3.4
Oct	1.3	2.1	2.6	-2.0	2.0	1.4	1.4	-2.7	0.8	0.5	0.4	1.6	2.8
Nov	1.1	1.9	1.0	-1.9	1.5	1.2	1.6	-2.9	0.8	0.5	0.4	1.7	3.4
Dec	1.0	1.6	0.4	-2.3	1.5	0.7	1.8	-2.1	0.8	0.1	0.3	1.8	2.9

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
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 – 2019

Type	Year									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Meat ('000 Metric Tonnes)										
Cow & Buffalo	0.93	0.86	1.66	1.65	4.33	3.21	2.80	2.90	5.00	5.50
Goat & Sheep	0.02	0.02	0.11	0.20	0.26	0.22	0.21	0.25	0.41	0.43
Chicken & Duck	55.16	56.72	79.07	75.69	71.17	69.30	69.81	69.09	81.94	95.74
Pig	15.35	11.18	24.34	31.46	33.44	31.58	30.65	31.47	35.37	33.53
Quail	-	-	-	-	-	-	-	-	0.21	0.22
Turkey	-	-	-	-	-	-	-	-	0.04	0.05
Total	71.46	68.78	105.18	109.00	109.20	104.31	103.47	103.71	122.95	135.47

Source: Department of Veterinary Services, Penang

Penang: Production and Value of Livestock, 2018 & 2019

Commodity/Unit		2018			2019		
		Production	Value	Distribution	Production	Value	Distribution
		(Metric Tonnes)	(RM million)	%	(Metric Tonnes)	(RM million)	%
Meat	Cow, Buffalo	4,990.71	64.36	6.85	5,499.21	74.24	6.69
	Goat, Sheep	409.04	11.45	1.22	427.16	11.96	1.08
	Pig	35,367.00	279.40	29.73	33,528.92	268.23	24.16
	Chicken	81,058.34	483.28	51.43	94,206.45	640.88	57.73
	Duck	877.67	3.69	0.39	1,536.20	9.83	0.89
	Quail	207.53	3.42	0.36	223.01	3.79	0.34
	Turkey	43.00	1.20	0.13	50.16	1.32	0.12
Bird's nest (raw un-cleaned)		-	-	-	7.68	24.56	2.21
Eggs	Chicken	239,119,300	81.94	8.72	182,677,500	63.94	5.76
	Duck	11,470,976	5.51	0.59	8,984,800	4.31	0.39
Fresh Milk		564,350 litre	5.52	0.59	829,799 litre	7.11	0.64
Total			939.77	100.0		1,110.17	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-Sep 2019

Industry	No.	Employment	Domestic Investment (RM million)	Foreign Investment (RM million)	Total Capital Investment (RM million)
Electronics & Electrical Products	32	10,364	158.4	8,805.9	8,964.3
Scientific & Measuring Equipment	3	1,526	0.0	2,388.2	2,388.2
Chemical & Chemical Products	11	280	432.2	30.4	462.6
Non-Metallic Mineral Products	2	173	19.5	423.2	442.8
Fabricated Metal Products	15	597	251.0	26.8	277.9
Transport Equipment	4	269	51.3	123.9	175.2
Plastic Products	7	385	18.0	143.9	161.8
Machinery & Equipment	11	454	102.5	0.5	102.9
Food Manufacturing	8	304	60.8	0.8	61.6
Paper, Printing & Publishing	4	128	51.6	1.0	52.6
Basic Metal Products	2	60	29.9	13.5	43.4
Rubber Products	3	61	28.3	11.7	40.0
Petroleum Products (Incl. Petrochemicals)	2	110	8.6	29.1	37.7
Furniture & Fixtures	6	216	31.1	0.8	31.9
Miscellaneous	1	76	11.2	1.0	12.2
Wood & Wood Products	1	10	3.0	0.0	3.0
Textiles & Textile Products	1	0	0.0	0.0	0.0
Total (Jan-Sep 2019)	113	15,013	1,257.4	12,000.7	13,258.1
Total (Jan-Dec 2018)	108	9,499	2,087.6	3,693.4	5,781.0

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 – Sep 2019

State	No.	Domestic Investment (RM million)	Foreign Investment (RM million)	Total Capital Investment (RM million)
Johor	129	3,798.3	3,899.1	7,697.4
Kedah	27	338.2	7,466.1	7,804.3
Kelantan	4	12.1	6.4	18.4
Melaka	26	537.8	263.9	801.6
Negeri Sembilan	33	1,797.7	844.2	2,641.9
Pahang	25	934.2	821.5	1,755.8
Perak	44	3,503.4	1,320.0	4,823.3
Perlis	1	0.0	53.3	53.3
Pulau Pinang	113	1,257.4	12,000.7	13,258.1
Sabah	6	744.7	146.1	890.7
Sarawak	14	118.3	1,082.4	1,200.6
Selangor	232	5,257.3	11,172.8	16,430.1
Terengganu	5	74.0	50.0	124.0
Kuala Lumpur	12	167.4	0.0	167.4
Labuan	0	0.0	0.0	0.0
Total	671	18,540.7	39,126.4	57,667.1

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 – 2019

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%
2019	398,976	1.9%	307,532	0.3%

Source: Penang Water Supply Corporation (PBA)

Penang: Daily Water Supply and Consumption, 2018 and 2019

	2018			2019		
	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)	292.1	1,307.0	1,599.1	292.1	1,307.0	1,599.1
Average Daily Production (million litres/day)	463.8	609.2	1,073.0	454.8	638.3	1,093.1
Average Daily Consumption (million litres/day)	369.7	470.2	839.9	371.2	471.4	842.6
No. of Services (consumers)	303,441	312,641	616,082	312,475	318,775	631,250
Daily Consumption ('000 litre)						
Per Consumer	1.22	1.50	1.36	1.19	1.48	1.33
Per Industrial Consumer	3.89	4.10	3.99	3.93	4.06	4.00
Per Domestic Consumer	0.82	1.04	0.93	0.80	1.04	0.92

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

ELECTRICITY

Penang: Power Demand & Supply, 2007 – 2019

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%
2019	1,724	4,239	59.3%

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 – Q3 2019

State	2018				2019		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Johor	27.4	26.5	26.1	24.7	23.0	22.2	21.5
Kedah & Perlis	19.5	18.6	18.0	16.8	17.4	16.6	15.9
Kelantan	13.7	13.4	13.3	12.7	12.2	11.6	11.2
Melaka	31.3	30.1	29.3	27.8	25.9	24.8	24.0
Negeri Sembilan	30.8	29.8	28.9	27.4	25.3	24.5	23.9
Pahang	20.9	20.3	20.1	19.0	17.6	16.9	16.4
Perak	30.7	29.5	29.0	26.6	24.7	23.8	23.2
Pulau Pinang	30.7	29.5	28.3	26.6	24.3	23.0	22.0
Sabah	11.9	11.3	10.8	10.1	9.5	9.0	8.6
Sarawak	15.8	14.9	14.1	12.9	11.5	10.8	10.2
Selangor	14.9	14.3	13.9	13.1	11.7	11.2	10.9
Terengganu	23.3	22.5	21.8	20.4	18.8	17.8	16.9
W.P. Kuala Lumpur	7.8	7.5	7.5	7.1	6.4	6.1	5.8
W.P. Labuan	23.1	21.9	21.0	19.2	17.3	16.1	15.7

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, 2018 – Q3 2019

State	2018	Q1 2019	Q2 2019	Q3 2019
Johor	148.7	148.4	148.5	150.1
Kedah	109.6	111.0	111.4	113.2
Kelantan	106.4	107.5	106.0	107.2
Melaka	136.3	124.0	124.3	126.2
Negeri Sembilan	157.1	148.2	144.2	144.0
Pahang	111.6	110.4	110.5	112.4
Perak	133.8	127.5	128.5	127.9
Perlis	123.3	119.0	119.5	120.7
Pulau Pinang	145.5	147.5	152.2	152.8
Sabah	81.7	82.1	81.8	83.2
Sarawak	108.2	110.5	111.0	112.4
Selangor	124.1	129.3	131.4	133.0
Terengganu	117.9	104.1	103.7	106.0
W.P. Kuala Lumpur	235.3	237.0	249.6	266.0
W.P. Labuan	73.7	62.0	88.7	90.2
W.P. Putrajaya	74.9	80.8	147.6	75.5
Malaysia	130.2	131.4	132.4	134.2

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 – Q3 2019

State	2018				2019		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Johor	143.7	143.1	141.9	139.5	146.9	148.0	148.7
Kedah	88.0	89.5	90.5	95.6	100.5	102.6	103.2
Kelantan	78.4	80.4	80.8	87.2	90.9	92.3	93.1
Melaka	112.2	113.4	112.4	116.4	124.0	126.3	125.7
Negeri Sembilan	134.4	136.2	138.0	141.0	147.1	144.2	142.5
Pahang	89.3	90.5	91.1	96.9	102.0	103.6	104.8
Perak	107.6	111.5	115.1	114.1	121.2	122.5	120.9
Perlis	88.4	96.1	100.3	102.6	107.7	111.2	115.9
Pulau Pinang	138.1	134.0	131.9	138.9	148.5	154.2	151.5
Sabah	67.9	75.6	74.9	76.4	81.3	81.0	82.0
Sarawak	91.3	92.2	93.0	107.0	112.3	109.6	108.6
Selangor	131.8	129.9	127.8	131.5	138.5	139.8	140.8
Terengganu	85.0	87.4	87.8	90.7	92.4	94.5	97.4
WP Kuala Lumpur	220.7	226.3	243.8	240.8	245.6	260.7	265.0
WP Labuan	73.2	73.6	74.0	72.0	71.7	96.7	95.9
WP Putrajaya	87.4	92.4	92.5	90.2	93.0	107.2	100.0
Malaysia	115.9	117.9	118.6	121.1	127.1	128.9	129.4

Source: Malaysian Communications and Multimedia Commission (MCMC)

TRANSPORT

ROAD TRANSPORT

New Motor Vehicle Registration, Jan – Dec 2019

Month	Region	Motorcycle	Private Car	Bus	Taxi	Car Rental	Goods Vehicle	Others	Total
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
Apr	Penang	2,490	217	5	2	0	206	47	2,967
	Malaysia	53,357	50,698	84	49	344	3,242	1,238	109,012
May	Penang	2,465	221	7	0	0	218	53	2,964
	Malaysia	51,886	61,864	114	68	949	3,209	1,307	119,397
Jun	Penang	1,678	165	1	3	1	172	41	2,061
	Malaysia	36,144	40,719	74	56	586	2,220	901	80,700
Jul	Penang	2,591	204	3	2	3	248	69	3,120
	Malaysia	55,037	52,025	122	71	726	3,631	1,366	112,978
Aug	Penang	2,497	193	5	3	11	249	56	3,014
	Malaysia	51,144	51,702	102	71	408	3,138	1,330	107,895
Sep	Penang	2,059	194	4	2	6	232	58	2,555
	Malaysia	46,743	44,890	104	49	397	2,645	1,156	95,984
Oct	Penang	2,303	253	2	7	12	183	54	2,814
	Malaysia	50,207	53,527	69	103	327	3,132	1,365	108,730
Nov	Penang	2,180	275	2	2	2	235	42	2,738
	Malaysia	45,596	51,747	87	81	481	3,158	1,344	102,494
Dec	Penang	1,974	299	0	5	0	224	51	2,553
	Malaysia	52,487	54,446	67	78	347	3,529	1,363	112,317
Jan-Dec 2019	Penang	27,533	2,725	38	27	45	2,484	579	33,431
	Malaysia	595,970	604,581	1,055	699	5,687	35,874	14,732	1,258,598
Jan-Dec 2018	Penang	32,105	4,826	37	19	39	3,161	624	40,811
	Malaysia	552,741	600,313	1,018	575	6,598	40,715	16,702	1,218,662
% change (y-o-y)	Penang	-14.2	-43.5	2.7	42.1	15.4	-21.4	-7.2	-18.1
	Malaysia	7.8	0.7	3.6	21.6	-13.8	-11.9	-11.8	3.3

Source: Road Transport Department, Malaysia

TRADE

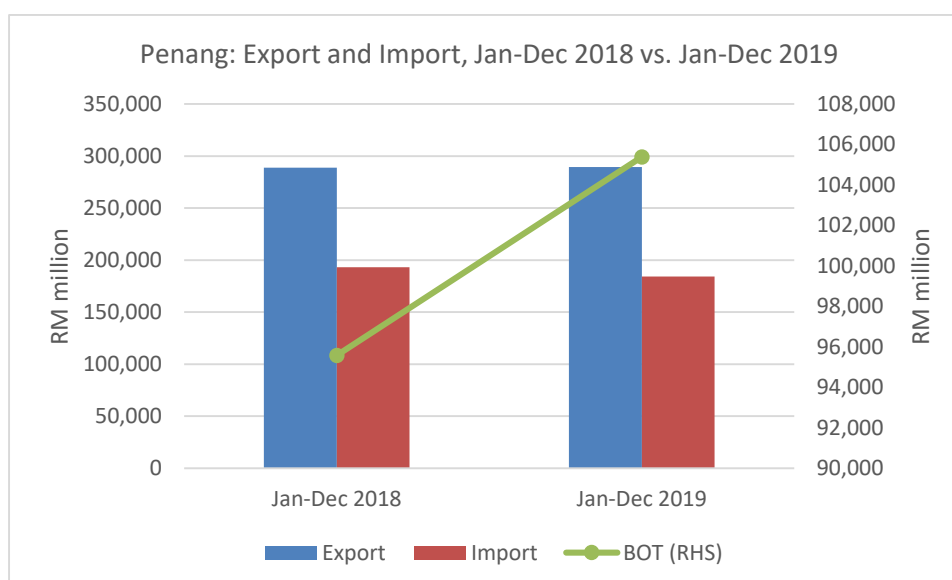
TRADE BALANCE

Export, Import and Balance of Trade, Jan – Dec 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
Apr	85,155	74,346	10,809	25,795	15,423	10,372
May	84,138	75,063	9,075	21,869	15,425	6,444
Jun	76,143	65,631	10,512	22,174	14,868	7,306
Jul	87,958	73,682	14,276	28,381	15,742	12,639
Aug	81,357	70,461	10,896	22,360	15,995	6,365
Sep	77,721	69,367	8,354	22,639	14,812	7,827
Oct	90,594	73,268	17,326	30,419	16,125	14,294
Nov	80,872	74,261	6,611	21,518	16,258	5,260
Dec	86,400	73,822	12,578	25,128	15,856	9,272
Jan-Dec 2019	986,402	849,009	137,393	289,522	184,144	105,377
Jan-Dec 2018	1,003,587	879,804	123,783	288,838	193,268	95,570
% change (y-o-y)	-1.7	-3.5	11.0	0.2	-4.7	10.3

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 – Dec 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
Apr	375,950	309,271	685,221
May	347,281	288,857	636,138
Jun	398,438	328,702	727,140
Jul	424,385	332,555	756,940
Aug	414,403	312,753	727,156
Sep	367,920	284,131	652,051
Oct	371,681	300,819	672,500
Nov	367,237	316,180	683,417
Dec	411,229	361,040	772,269
Jan-Dec 2019	4,579,707	3,751,584	8,331,291
Jan-Dec 2018	4,183,115	3,607,308	7,790,423
% change (y-o-y)	9.5	4.0	6.9

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

Source: Malaysia Airports Holdings Berhad

Aircraft Movements (Arrival & Departure), Jan – Dec 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
Apr	3,264	3,263	6,527
May	3,189	3,192	6,381
Jun	3,287	3,285	6,572
Jul	3,430	3,434	6,864
Aug	3,391	3,392	6,783
Sep	3,203	3,202	6,405
Oct	3,373	3,372	6,745
Nov	3,277	3,280	6,557
Dec	3,475	3,471	6,946
Jan-Dec 2019	39,200	39,196	78,396
Jan-Dec 2018	36,694	36,746	73,440
% change (y-o-y)	6.8	6.7	6.7

Note: Aircraft movements refer to both domestic and international.

Source: Malaysia Airports Holdings Berhad

Cargo Handled (Domestic & International), Jan – Dec 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
Apr	944,547	10,249,422	11,193,969
May	1,102,228	10,711,324	11,813,552
Jun	1,289,602	9,597,475	10,887,077
Jul	1,290,843	11,152,937	12,443,780
Aug	732,026	10,537,008	11,269,034
Sep	668,058	10,368,587	11,036,645
Oct	1,065,560	10,927,653	11,993,213
Nov	953,116	10,854,490	11,807,606
Dec	1,007,565	11,925,915	12,933,480
Jan-Dec 2019	11,908,491	127,737,683	139,646,174
Jan-Dec 2018	11,858,992	133,789,210	145,648,202
% change (y-o-y)	0.4	-4.5	-4.1

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

Source: Malaysia Airports Holdings Berhad

PENANG PORT

Number of Ship Calls, Jan – Sep 2019

Month	Domestic	Foreign	Total
Jan	212	301	513
Feb	205	233	438
Mar	219	347	566
Apr	219	322	541
May	216	310	526
Jun	216	266	482
Jul	217	252	469
Aug	231	218	449
Sep	212	217	429
Jan-Sep 2019	1,947	2,466	4,413
Jan-Sep 2018	2,000	2,894	4,894
% change (y-o-y)	-2.7	-14.8	-9.8

Source: Penang Port Sdn Bhd

Gross Registered Tonnage (Domestic & Foreign), Jan – Sep 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
Apr	2,513,538	3,722,062	6,235,600
May	2,592,157	4,008,682	6,600,839
Jun	2,442,600	3,767,834	6,210,434
Jul	2,641,073	2,558,897	5,199,970
Aug	2,609,363	2,549,592	5,158,955
Sep	2,561,508	2,607,444	5,168,952
Jan-Sep 2019	22,393,583	32,925,167	55,318,750
Jan-Sep 2018	22,219,325	33,203,414	55,422,739
% change (y-o-y)	0.8	-0.8	-0.2

Source: Penang Port Sdn Bhd

Type of Cargo Handled, Jan – Sep 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
Apr	136,079	329,405	354,861	2,040,398	129,405
May	140,299	272,159	439,203	2,008,750	122,371
Jun	119,862	342,641	391,753	1,847,328	119,309
Jul	173,275	324,829	350,065	2,151,005	133,685
Aug	108,186	188,904	391,557	2,061,102	123,667
Sep	92,235	361,869	365,112	1,942,206	120,653
Jan-Sep 2019	892,387	2,230,930	2,536,235	13,736,976	1,113,620
Jan-Sep 2018	1,136,617	3,409,769	3,277,271	17,867,743	1,132,064
% change (y-o-y)	-21.5	-34.6	-22.6	-23.1	-1.6

Source: Penang Port Sdn Bhd

TOURISM

Penang: Average Occupancy Rate, Jan – Sep 2019

	2019								
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Average Occupancy Rate (%)	54.28	56.01	57.17	57.81	54.88	55.44	57.32	57.67	52.31
Average Occupancy Rate for Beach Hotels (%)	60.88	63.01	61.73	61.14	56.51	57.38	59.59	60.81	36.18
Average Occupancy for City Hotels (%)	52.08	53.81	55.39	56.25	53.55	54.28	56.23	56.37	55.70
Average Occupancy for Hotels in Seberang Perai (%)	55.24	56.32	58.99	60.51	59.09	58.63	59.55	59.63	60.77

Note: The occupancy rate from October 2019 onwards is not available.

Source: Malaysian Association of Hotels (Penang Chapter)

PROPERTY

Penang: House Price Index, Q1 2014 – Q3 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
2019 Q2	175.0	206.8	213.9	218.2	195.6
2019 Q3^P	173.1	211.5	219.3	219.2	197.1

P: Preliminary

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	Q3 2018	108	3	6	103	53	0	273
	Q2 2019	129	5	1	130	45	0	310
	Q3 2019	104	4	8	149	60	0	325
50,001 – 100,000	Q3 2018	384	13	4	61	53	0	515
	Q2 2019	317	7	1	49	52	0	426
	Q3 2019	368	10	1	51	66	0	496
100,001 – 150,000	Q3 2018	379	18	7	41	26	1	472
	Q2 2019	396	14	2	64	24	0	500
	Q3 2019	433	21	0	36	29	0	519
150,001 – 200,000	Q3 2018	326	21	4	26	26	0	403
	Q2 2019	333	20	1	26	18	0	398
	Q3 2019	365	35	7	18	30	0	455
200,001 – 250,000	Q3 2018	267	21	5	20	6	0	319
	Q2 2019	307	27	3	8	11	0	356
	Q3 2019	319	26	0	23	8	1	377
250,001 – 300,000	Q3 2018	282	7	6	13	14	0	322
	Q2 2019	226	16	3	14	10	0	269
	Q3 2019	273	17	2	9	16	1	318
300,001 – 400,000	Q3 2018	432	52	5	15	13	0	517
	Q2 2019	376	47	8	14	16	0	461
	Q3 2019	406	50	8	23	10	0	497
400,001 – 500,000	Q3 2018	254	34	7	15	6	1	317
	Q2 2019	274	37	17	8	10	0	346
	Q3 2019	293	51	5	9	12	0	370
500,001 – 1,000,000	Q3 2018	545	82	22	35	25	0	709
	Q2 2019	537	91	16	36	37	0	717
	Q3 2019	517	85	34	27	14	0	677
1,000,001 & Above	Q3 2018	229	72	51	30	63	1	446
	Q2 2019	196	72	44	29	39	1	381
	Q3 2019	163	79	47	44	38	0	371
Total	Q3 2018	3,206	323	117	359	285	3	4,293
	Q2 2019	3,091	336	96	378	262	1	4,164
	Q3 2019	3,241	378	112	389	283	2	4,405

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	Q3 2018	4.47	0.13	0.17	3.30	0.93	0.00	9.00
	Q2 2019	4.86	0.17	0.03	2.72	1.04	0.00	8.82
	Q3 2019	3.87	0.04	0.18	3.14	1.60	0.00	8.82
50,001 – 100,000	Q3 2018	29.30	1.01	0.28	4.64	3.89	0.00	39.11
	Q2 2019	24.59	0.52	0.06	3.76	3.92	0.00	32.86
	Q3 2019	28.12	0.77	0.07	3.98	4.72	0.00	37.65
100,001 – 150,000	Q3 2018	48.49	2.47	0.93	5.12	3.23	0.14	60.37
	Q2 2019	51.65	1.86	0.27	7.97	2.99	0.00	64.74
	Q3 2019	55.95	2.70	0.00	4.45	3.57	0.00	66.67
150,001 – 200,000	Q3 2018	58.24	3.68	0.72	4.63	4.41	0.00	71.67
	Q2 2019	59.58	3.67	0.17	4.68	3.16	0.00	71.25
	Q3 2019	65.57	6.27	1.28	3.15	5.38	0.00	81.66
200,001 – 250,000	Q3 2018	62.06	4.84	1.17	4.53	1.43	0.00	74.04
	Q2 2019	71.33	6.28	0.67	1.78	2.59	0.00	82.65
	Q3 2019	74.23	6.09	0.00	5.25	1.80	0.25	87.61
250,001 – 300,000	Q3 2018	79.23	1.92	1.58	3.65	4.00	0.00	90.37
	Q2 2019	63.36	4.44	0.84	3.84	2.76	0.00	75.24
	Q3 2019	76.45	4.86	0.57	2.45	4.46	0.27	89.07
300,001 – 400,000	Q3 2018	152.58	19.01	1.76	5.11	4.29	0.00	182.76
	Q2 2019	133.00	16.57	2.91	4.85	5.61	0.00	162.93
	Q3 2019	142.58	17.64	2.89	8.14	3.48	0.00	174.73
400,001 – 500,000	Q3 2018	115.47	15.50	3.24	6.59	2.83	0.49	144.12
	Q2 2019	124.97	17.17	7.64	3.55	4.63	0.00	157.97
	Q3 2019	133.18	23.51	2.21	3.91	5.47	0.00	168.27
500,001 – 1,000,000	Q3 2018	377.20	58.14	15.87	25.89	19.42	0.00	496.51
	Q2 2019	369.17	61.70	11.74	26.09	25.49	0.00	494.18
	Q3 2019	362.24	61.78	23.76	19.58	10.71	0.00	478.06
1,000,001 & Above	Q3 2018	618.59	209.20	189.39	64.69	937.55	1.52	2,020.94
	Q2 2019	348.73	158.49	163.48	70.42	112.80	1.60	855.52
	Q3 2019	273.58	343.95	308.18	174.71	179.68	0.00	1,280.10
Total	Q3 2018	1,545.62	315.90	215.08	128.16	981.98	2.15	3,188.89
	Q2 2019	1,251.25	270.86	187.80	129.66	164.98	1.60	2,006.16
	Q3 2019	1,215.76	467.60	339.14	228.76	220.87	0.52	2,472.64

Source: National Property Information Centre (NAPIC)

EDUCATION

Penang: Number of Schools, Students & Teachers at the Pre-School Level, 2019

Type of School	No. of Schools	No. of Students	No. of Teachers
Public [#]	161*	7,505	326
Private	448	19,421	1,933
Total	609	26,926	2,259

[#] 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 2019

Type of School	No. of Schools	No. of Students	No. of Teachers
SK/SRK	149	79,565*	6,527
SJK (C)	90	46,080	3,019
SJK (T)	28	5,470	531
SK (Khas)	3	102	77
SR Agama	1	358	30
Total	271	131,575	10,184

* 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 2019

Type of School	No. of Schools	No. of Students*	No. of Teachers
SM Berasrama Penuh	2	1,305	135
SM Khas	1	126	53
SM Teknik & Kolej Vokasional ^b	8	4,053	689
SMK ^a	102	93,526	7,807
SMK Agama	15	5,962	701
Total	128	104,972	9,385

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 – 2019

	2012	2013	2014	2015	2016	2017	2018 ^e	2019 ^p
Male	71.2	72.3	72.3	72.4	72.3	72.3	72.5	72.5
Female	77.5	77.5	77.5	77.6	77.7	77.7	77.7	77.8

^p Preliminary; ^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, Q4 2018 – Q4 2019

Component	RM million				
	2018 (Q4)	2019 (Q1)	2019 (Q2)	2019 (Q3)	2019 (Q4)
National Accounts (GDP) at current price	379,383	361,968	371,024	381,534	396,239
Agriculture	27,561	25,805	25,427	30,047	28,665
Mining and Quarrying	34,731	34,212	34,336	28,490	32,318
Manufacturing	80,863	76,695	81,185	82,183	84,206
Electricity, Gas and Water	9,831	9,648	10,168	10,471	10,521
Construction	17,307	17,889	17,274	18,160	17,601
Wholesale and Retail Trade, Hotel and Restaurants	79,174	71,126	73,586	80,063	85,349
Transport, Storage and Communication	34,013	34,539	35,662	36,264	36,567
Finance, Insurance, real estate and business services	41,259	40,953	41,256	41,908	44,110
Other Services	17,905	18,151	18,580	19,105	19,182
Government Services	32,346	28,789	29,190	30,502	33,522
Less : Imputed bank service charges	-	-	-	-	-
Plus : import duties	4,394	4,162	4,359	4,341	4,198
National Accounts (GDP) at 2010 price	357,074	341,710	348,767	360,136	369,878
Agriculture	25,944	24,593	24,192	28,029	24,473
Mining and Quarrying	27,118	26,111	26,019	23,003	26,431
Manufacturing	79,327	75,660	79,011	79,938	81,745
Electricity, Gas and Water	9,138	9,298	9,578	9,679	9,641
Construction	16,418	16,656	16,064	16,950	16,582
Wholesale and Retail Trade, Hotel and Restaurants	73,758	67,400	69,940	75,543	78,887
Transport, storage and Communication	32,977	33,398	34,346	34,981	35,202
Finance, Insurance, real estate and business services	39,766	39,540	39,751	40,364	42,306
Other Services	17,143	17,217	17,516	17,954	18,114
Government Services	31,424	27,983	28,369	29,645	32,570
Less : Imputed bank service charges	-	-	-	-	-
Plus : import duties	4,062	3,853	3,982	4,051	3,926

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

Source: Bank Negara Malaysia

Malaysia: Currency Exchange Rates, Jan – Dec 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
Apr	4.1140	5.3625	4.6233	3.6856	2.9258	3.0340
May	4.1709	5.3654	4.6670	3.7930	2.8970	3.0438
Jun	4.1617	5.2740	4.7007	3.8524	2.8874	3.0540
Jul	4.1244	5.1551	4.6316	3.8129	2.8834	3.0322
Aug	4.1881	5.0895	4.6583	3.9393	2.8356	3.0242
Sep	4.1855	5.1703	4.6074	3.8928	2.8478	3.0329
Oct	4.1879	5.2824	4.6260	3.8734	2.8454	3.0542
Nov	4.1590	5.3593	4.5978	3.8216	2.8403	3.0545
Dec	4.1485	5.4393	4.6096	3.8010	2.8539	3.0566

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, Q4 2019

	Unit Description	Latest Period	Latest Data	Previous Period
Industrial Production Index	2015=100	Dec-19	117.4	116.6
Employment	(million persons)	Q4/19	15.25	15.16
		Dec-19	15.29	15.32
	% of labour force	Q4/19	96.8	96.7
		Dec-19	96.7	96.8
Unemployment	(million persons)	Q4/19	0.512	0.512
		Dec-19	0.517	0.514
	% of labour force	Q4/19	3.2	3.3
		Dec-19	3.3	3.2
Average salaries and wages per employee in manufacturing sector	RM per month	Dec-19	3,969.5	3,642.2
Consumer Price Index	2010=100	Dec-19	122.3	122.1
Producer Price Index	2010=100	Dec-19	107.4	106.5

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						
<i>Revenue</i>	192,388	202,036	215,999	222,401	224,306	227,486
<i>Operating Expenditure</i>	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
<i>Bank</i>	34,835	59,053	16,152	35,072	47,560	81,339
<i>Non-Bank</i>	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 – Dec 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
Apr	105.3	123.9	113.5	76.8	119.3	85.3	110.5	107.1	103.6	103.8
May	105.5	124.0	113.5	75.3	120.3	85.0	110.0	107.6	103.9	104.0
Jun	104.5	124.5	113.6	75.5	114.7	84.6	109.6	107.5	104.6	103.9
Jul	104.4	126.1	113.2	75.4	114.4	84.1	109.3	107.5	104.6	103.9
Aug	104.6	126.3	113.1	79.9	113.6	84.0	109.1	107.5	104.7	103.7
Sep	105.3	125.1	113.0	80.1	115.9	85.5	109.0	107.5	105.2	103.9
Oct	105.1	124.6	112.9	80.1	115.0	86.1	108.6	107.4	105.4	103.3
Nov	106.5	124.4	113.1	90.6	118.3	87.2	108.5	107.1	105.0	103.1
Dec	107.4	124.9	113.4	93.4	119.8	89.4	108.0	107.2	105.6	103.3
% 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
Apr	-1.4	-2.4	-0.7	-13.9	4.1	-12.0	-3.5	-0.9	2.3	-3.0
May	-1.5	-1.3	0.4	-14.9	2.5	-11.3	-3.3	-1.4	2.7	-2.2
Jun	-1.8	-0.4	-0.1	-12.1	-1.6	-10.8	-2.5	-1.2	3.2	-0.9
Jul	-2.2	0.4	-0.5	-9.8	-4.0	-10.1	-2.7	-1.3	3.3	-0.7
Aug	-1.9	1.1	-0.8	-4.3	-5.4	-8.3	-3.2	-1.4	3.4	-0.5
Sep	-2.4	0.6	-1.2	-3.8	-7.4	-5.7	-3.9	-1.6	3.0	-0.2
Oct	-2.9	-0.2	-1.4	0.0	-10.2	-4.2	-4.2	-1.5	2.8	-0.9
Nov	1.2	-0.2	-1.1	22.8	-0.7	0.2	-3.8	-1.4	3.4	-1.1
Dec	3.5	-1.0	-1.0	27.8	5.2	5.4	-2.7	-0.7	3.3	-1.0

Source: Department of Statistics, Malaysia

Malaysia: Consumer Price Index (2010=100), Jan – Dec 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
Apr	121.1	132.3	167.7	94.7	120.7	116.1	122.5	114.6	96.0	111.6	119.4	131.6	112.3
May	121.4	132.7	167.8	94.6	121.1	116.5	122.5	114.8	96.0	111.5	119.5	131.4	112.3
Jun	121.4	132.8	167.9	94.5	121.1	116.6	122.7	114.4	96.0	111.6	119.5	131.7	112.6
Jul	121.5	133.2	167.9	94.1	121.1	116.8	122.8	114.6	96.0	111.5	119.6	131.8	113.0
Aug	121.8	133.5	168.0	94.1	121.7	116.8	123.0	114.5	96.0	111.5	119.7	132.0	113.6
Sep	121.8	133.2	167.9	94.1	121.7	116.7	122.9	114.6	96.0	112.2	120.2	132.2	114.0
Oct	122.0	133.3	167.9	93.8	121.7	116.7	123.0	114.8	97.5	112.2	120.3	132.2	113.8
Nov	122.1	133.3	168.0	93.9	122.2	116.8	123.2	114.8	97.5	112.3	120.3	132.3	114.3
Dec	122.3	133.9	167.8	93.8	122.2	116.9	123.2	114.9	97.5	112.2	120.3	132.5	114.2
% 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
Apr	0.2	1.1	1.2	-3.2	2.0	0.2	-0.3	-2.6	-1.1	-0.4	1.2	0.8	-2.0
May	0.2	1.2	1.3	-3.2	1.8	0.5	-0.3	-2.5	-0.9	-0.4	1.2	0.6	-2.1
Jun	1.5	2.3	2.1	-0.7	2.3	3.1	1.2	-2.1	2.1	2.7	1.4	1.6	1.4
Jul	1.4	2.4	2.3	-1.1	1.9	3.3	1.3	-1.9	2.1	2.4	1.4	1.7	1.8
Aug	1.5	2.6	2.5	-1.1	1.8	3.2	1.4	-2.1	2.2	2.3	1.4	1.7	2.5
Sep	1.1	2.2	2.4	-0.9	1.6	2.1	1.3	-2.2	-0.1	0.8	1.8	1.4	2.7
Oct	1.1	1.8	2.2	-1.3	1.6	1.7	1.4	-2.3	1.5	0.7	1.9	1.2	2.2
Nov	0.9	1.5	0.4	-1.1	1.7	1.5	1.4	-2.4	1.5	0.8	1.6	1.1	2.5
Dec	1.0	1.7	0.2	-1.0	1.7	1.4	1.4	-1.9	1.5	0.6	1.7	1.1	2.4

Source: Department of Statistics, Malaysia

Malaysia: Industrial Production Index (2015=100), Jan – Dec 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
Apr	108.1	97.0	111.6	115.4
May	111.5	100.0	115.1	118.3
Jun	111.0	94.6	116.9	113.3
Jul	113.4	96.4	119.0	121.0
Aug	112.5	95.7	117.8	121.8
Sep	112.1	92.6	119.1	114.1
Oct	117.4	105.3	121.7	119.3
Nov	114.2	103.6	118.1	114.8
Dec	115.9	108.4	118.7	116.2
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
Apr	112.4	99.2	116.4	122.1
May	116.0	102.9	119.9	125.0
Jun	115.3	98.9	121.4	115.2
Jul	114.8	88.3	123.8	123.4
Aug	114.5	92.0	122.0	122.1
Sep	114.1	91.1	122.1	118.8
Oct	117.8	99.2	124.5	119.9
Nov	116.6	104.1	121.3	116.6
Dec	117.4	103.1	122.7	117.2
% 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
Apr	4.0	2.3	4.3	5.8
May	4.0	3.0	4.2	5.7
Jun	3.8	4.6	3.8	1.7
Jul	1.2	-8.4	4.0	2.0
Aug	1.7	-3.9	3.6	0.3
Sep	1.7	-1.6	2.5	4.1
Oct	0.4	-5.8	2.3	0.5
Nov	2.1	0.5	2.7	1.6
Dec	1.3	-4.9	3.4	0.9

Source: Department of Statistics, Malaysia

Acknowledgements

Penang Institute would like to sincerely thank the following state and federal government departments as well as private associations for their continuous support and assistance in supplying important statistics for public use.

- Central Bank of Malaysia (BNM)
- Department of Agriculture, Penang
- Department of Fisheries, Malaysia
- Department of Statistics Malaysia (DOSM)
- Department of Veterinary Services, Penang
- Malaysia Airports Holdings Berhad
- Malaysian Association of Hotels (Penang Chapter)
- Malaysian Communications and Multimedia Commission (MCMC)
- Malaysian Investment Development Authority (MIDA)
- Malaysian Palm Oil Berhad (MPOB)
- Ministry of Education, Malaysia
- National Property Information Centre (NAPIC)
- Penang Port Commission
- Penang State Economic Planning Division (BPEN)
- Penang State Education Department
- Penang State Health Department
- Penang Water Supply Corporation (PBA)
- Road Transport Department, Malaysia
- Rubber Industry Smallholders Development Authority (RISDA)
- Tenaga Nasional Berhad, Penang