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## PHYSICAL ATTRIBUTES

### Area:

<i>State of Penang</i>	1031 sq km
Penang Island	293 sq km
Seberang Perai	738 sq km

### Location:

Latitudes	5°8' - 5°35'
Longitudes	100°8' - 100°32'

### Climate:

<i>Tropical Monsoon</i>	
Temperature (Day)	27°C - 30°C
Temperature (Night)	22°C - 24°C
Mean Annual Rainfall	267 cm
Relative Humidity	70% - 90%

## DEMOGRAPHY

### Penang: Estimated Population (in '000) and Distribution by Districts

<i>District</i>	<b>1991</b>	<b>1997</b>	<b>1998</b>
	(census)	(estimated)	(estimated)
Timur Laut	395.7	433.8	443.7
Barat Daya	122.8	147.4	151.6
Seberang Perai Utara	224.6	254.9	256.3
Seberang Perai Tengah	236.3	278.9	284.9
Seberang Perai Selatan	84.8	96.9	97.9
<b>State of Penang</b>	<b>1,064.2</b>	<b>1,221.9</b>	<b>1,234.4</b>

Source: State Population Report, Penang, 1991, Department of Statistics, Malaysia; State/District Data Bank, 1997, 1998, Department of Statistics, Malaysia.

### Penang: Estimated Population by Sex (in '000)

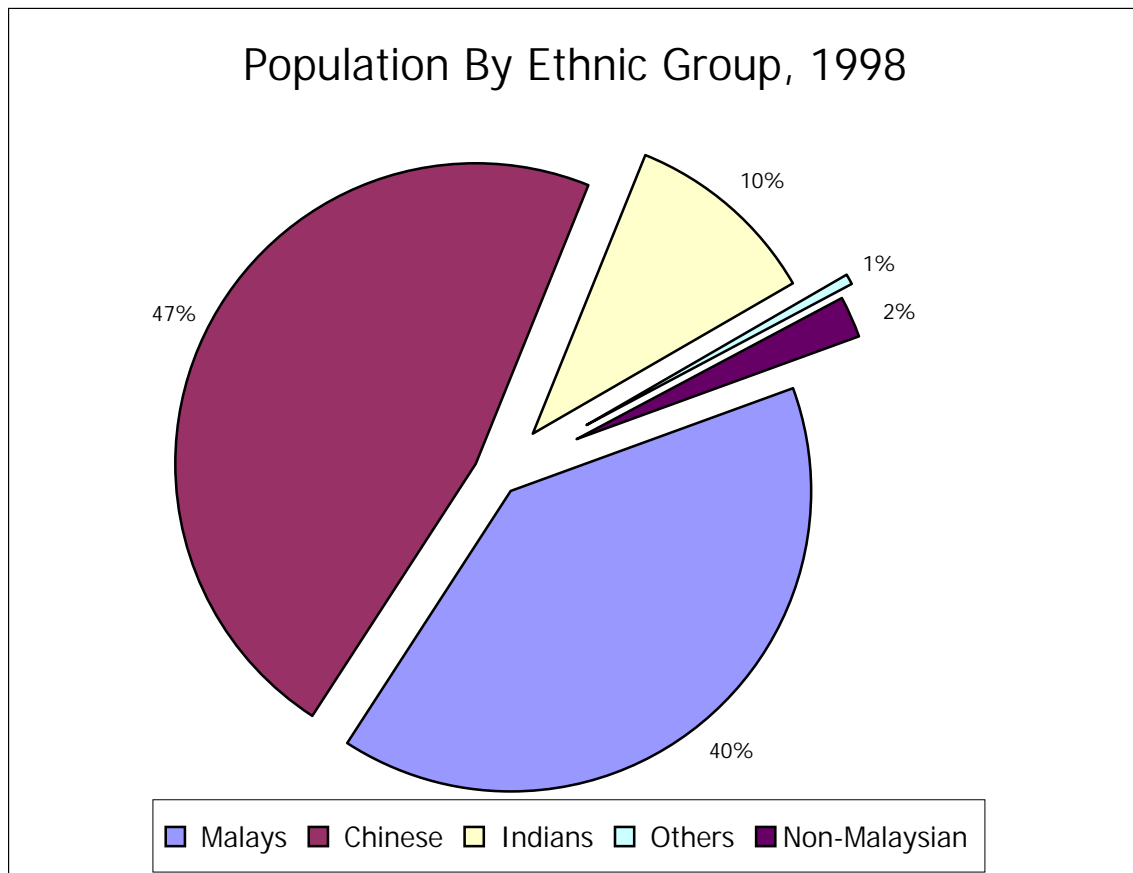
<i>Gender</i>	<b>1991</b>	<b>1997</b>	<b>1998</b>
	(census)	(estimated)	(estimated)
Male	526.0	607.2	613.3
Female	538.1	614.7	621.1
<b>Total</b>	<b>1,064.2</b>	<b>1,221.9</b>	<b>1,234.4</b>

Source: State Population Report, Penang, 1991, Department of Statistics, Malaysia; State/District Data Bank, 1997, 1998, Department of Statistics, Malaysia.

**Penang: Estimated Population by Ethnic Group (in '000)**

<b>Ethnic Group</b>	<b>1991</b>	<b>1997</b>	<b>1998</b>
	(census)	(estimated)	(estimated)
Malaysian:	526.0	607.2	613.3
Malays	405.4	465.5	486.7
Other Bumiputera	1.1	1.3	1.9
Chinese	523.2	600.8	581.9
Indians	112.8	129.5	129.5
Others	5.8	6.6	6.6
Non-Malaysian Citizens	15.9	18.2	27.7
<b>Total</b>	<b>1,064.2</b>	<b>1,221.9</b>	<b>1,234.4</b>

Source: State Population Report, Penang, 1991, Department of Statistics, Malaysia; State/District Data Bank, 1997, 1998, Department of Statistics, Malaysia.



## ECONOMIC

### Penang: Gross Domestic Product 1990, 1995, 1997-1999 (In 1987 – Constant Prices, RM Milion)

	1990	1995	1997	1998	1999	2000(f)
Agri, forestry, fishing	228.4	216.3	223.2	223.2	225.5	227.7
M&Q	23.4	162.6	250.4	191.1	191.1	193.0
Manufacturing	3,394.3	5,935.8	7,219.1	6,390.4	7,005.8	7,960.0
Construction	249.5	439.0	537.8	414.2	414.2	418.2
Tertiary	3,987.0	6,761.4	8,037.2	7,959.4	8,174.1	8,510.8
Total (@ producers' value)	7,882.5	13,515.2	16,267.8	15,178.3	16,010.6	17,309.7
Total (@ purchasers' value)	7,685.4	13,193.6	15,789.4	14,455.0	15,372.7	16,620.0

Source: SERI

(f): forecast

### Penang: Sectoral Share of Gross Domestic Product (%) 1990, 1995, 1997-2000

	1990	1995	1997	1998	1999	2000(f)
Agri, forestry, fishing	2.90	1.60	1.37	1.47	1.42	1.3
M&Q	0.30	1.20	1.54	1.26	1.20	1.1
Manufacturing	43.05	43.92	44.38	42.10	42.47	46.0
Construction	3.17	3.25	3.31	2.73	2.61	2.4
Tertiary	50.58	50.03	49.41	52.44	52.30	49.2
Total	100.00	100.00	100.00	100.00	100.00	100.00

Source: SERI

(f): forecast

### Penang: Gross Domestic Product % Growth Per Annum

	1990-95	1995-97	1997-98	1998-99	1999-2000(f)
Agri, forestry, fishing	-1.1	1.6	0.0	1.0	1.0
M&Q	47.4	24.1	-23.7	0.0	1.0
Manufacturing	11.8	10.3	-11.5	9.6	13.6
Construction	12.0	10.7	-23.0	0.0	1.0
Tertiary	11.1	9.0	-1.0	2.7	4.1
Total (@ producers' value)	11.4	9.7	-6.7	5.5	8.1
Total (@ purchasers' value)	11.4	9.4	-8.6	6.3	8.1

Source: SERI

(f): forecast

## EMPLOYMENT

### Penang: Labour Force Participation Rate by Gender and Ethnic Group 1996 & 1997 (%)

	1996			1997		
	Male	Female	Total	Male	Female	Total
Total Malaysian	81.0	38.5	59.7	83.0	51.0	66.9
Malay	81.3	41.4	61.5	83.3	53.5	68.3
Other Bumiputera	100.0	100.0	100.0	100.0	100.0	100.0
Chinese	80.7	35.4	58.1	83.4	50.2	66.6
Indian	81.5	40.2	60.0	83.6	44.2	64.0
Others	73.1	42.8	57.4	60.9	50.2	56.4
Non-Malaysian	97.8	88.1	92.8	99.4	82.0	92.0
Total	81.4	39.9	60.6	84.0	52.4	68.2

Source: State/District Data Bank, Malaysia, 1997 & 1998

### Penang: Employment by Gender and Economic Sectors 1996 & 1997 (%)

	1996			1997		
	Male	Female	Total	Male	Female	Total
Agri, Forestry & Fishing	4.4	0.9	3.2	2.9	0.5	2.0
M&Q	0.2	0.0	0.1	0.2	0.0	0.1
Manufacturing	33.8	50.8	39.4	37.5	47.9	41.1
Construction	6.7	0.4	4.7	9.3	1.4	6.2
Utilities	1.0	0.1	0.7	1.2	0.3	0.9
Transport, Storage, Comm.	8.1	1.8	6.0	7.5	1.5	5.2
WRHR	22.6	18.3	21.1	20.0	20.4	20.1
FIREBS	5.4	5.1	5.3	4.2	5.7	4.8
Community & Soc Services	17.9	22.7	19.5	17.3	22.4	19.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Source: State/District Data Bank, Malaysia, 1997 & 1998

Note: Slight discrepancies may occur due to rounding.

### Penang: Employed Persons by Industry 1990-1999 ('000).

	1990	1992	1993	1995	1996	1997	1998	1999
Agri, Forestry & Fishing	24.8	18.4	18.2	12.0	14.4	11.0	19.7	15.9
M&Q	0.5	0.4	0.3	0.4	0.6	0.8	1.1	0.9
Manufacturing	172.8	218.8	222.5	215.3	177.0	228.7	237.7	237.7
Construction	34.1	32.3	28.6	27.4	20.9	34.4	39.0	38.6
Utilities	4.1	3.5	4.4	3.5	3.0	4.7	3.8	3.4
Transport, Storage, Comm.	25.5	28.7	32.9	27.6	27.1	28.6	32.6	27.3
WRHR	103.4	94.7	81.7	94.7	95.0	111.2	112.5	119.8
FIREBS	14.4	20.8	20.2	23.7	23.9	26.5	29.3	40.3
Community & Soc Services	77.8	95.0	122.1	81.1	87.5	106.1	109.5	119.0
Total	457.2	512.6	531.0	485.8	449.4	552.0	585.2	602.9

Source: Labour Force Survey, Department of Statistics, Malaysia

Note: Slight discrepancies may occur due to rounding.

## PRIMARY SECTOR

### AGRICULTURE

#### Penang: Agriculture Areas (in hectares) 1985-1998

Type	Year				
	1985	1990	1995	1997	1998
Rubber	27,210	19,000	13,487	13,487	13,487
Oil Palm	4,685	11,179	16,444	15,158	15,158
Padi	17,610	24,889	14,351	14,351	14,351
Coconut	14,137	5,674	2,479	2,479	2,479
Cocoa	1,114	1,751	1,683	143	143
Vegetables	510	1,014	1,314	1,216	1,778
Fruits	2,520	5,740	7,110	7,096	6,929
Cloves	408	237	224	224	69
Nutmeg	612	181	168	168	86
Cash Crops	1,086	239	199	234	474
Total	69,892	69,904	57,459	54,556	54,954

Source: Derived from data from the Jabatan Pertanian Negeri Pulau Pinang

## SECONDARY SECTOR

### MANUFACTURING

#### Penang: Approved Manufacturing Projects, Employment and Capital Investment, 1987-1999

Year	Approved Projects			Employment Generated	Capital Investment (RM Million)
	Malaysia	Penang	% of national		
1987	333	59	17.7	16,662	635.74
1988	732	73	10.0	17,833	729.56
1989	792	115	14.5	27,032	1,183.07
1990	906	132	14.6	24,952	1,867.26
1991	973	125	12.8	22,455	1,525.13
1992	874	119	13.6	14,295	1,096.05
1993	686	87	12.7	10,378	516.82
1994	870	95	10.9	15,203	934.49
1995	898	89	9.9	13,779	1,606.65
1996	782	97	12.4	11,993	3,185.40
1997	759	90	11.9	9,736	1,449.10
1998	844	104	12.3	10,911	2,666.52
1999	708	93	13.1	4,762	2,685.3

Source: Derived from data provided by MIDA Penang

**Penang: Approved Manufacturing Projects by Industry 1997-1999**

Industry	No. of Projects			Investment (RM Million)		
	1997	1998	1999	1997	1998	1999
Electrical & Electronic	41	49	46	471.9	674.5	4,609.6
Chemicals & Chemical Prod.	4	4	3	23.9	79.6	8.9
Fabricated Metal Products	7	7	5	75.0	32.4	11.8
Basic Metal Products	3	8	4	412.5	1,478.9	33.4
Machinery Manufacturing	8	11	5	24.0	66.8	3.3
Non-Metallic Mineral Prod.	6	3	4	14.1	-	-
Plastic Products	4	2	8	152.3	45.3	14.2
Paper, Printing & Publishing	5	4	3	217.2	173.3	3.6
Rubber Products	1	2	-	-	7.8	-
Textile & Garments	1	1	6	2.0	7.5	29.7
Food Manufacturing	3	6	1	2.1	62.8	3.5
Wood & Wood Products	-	1	2	-	1.1	26.2
Transport Equipment	2	4	3	12.5	21.3	6.4
Others	5	2	3	41.5	15.2	11.6
<b>Total</b>	<b>90</b>	<b>104</b>	<b>93</b>	<b>1,449.1</b>	<b>2,666.5</b>	<b>4,762.2</b>

Source: Derived from data provided by MIDA Penang

**Approved Manufacturing Projects and Investment by State 1998 –2000 (Jan-Apr)**

State	No. of Projects			Investment (RM Million)		
	1998	1999	2000 (Jan-Aug)	1998	1999	2000 (Jan-Aug)
Wilayah Persekutuan						
Kuala Lumpur	17	30	12	74.2	277.7	84.8
Labuan	-	-	1	-	-	9.5
Terengganu	28	15	5	7,165.3	1,336.4	47.1
Johor	159	172	112	4,513.5	2,312.0	978.1
Selangor	221	187	149	3,832.5	2,572.2	2,659.0
<b>Pulau Pinang</b>	<b>104</b>	<b>93</b>	<b>82</b>	<b>2,666.5</b>	<b>4,777.8</b>	<b>891.1</b>
Sarawak	62	23	11	1,549.5	261.3	7,681.0
Pahang	31	14	15	2,472.5	287.2	1,598.0
Negeri Sembilan	34	32	19	934.7	228.2	1,144.2
Sabah	43	5	10	926.0	27.3	240.7
Kedah	44	43	24	747.1	567.8	149.5
Melaka	34	35	22	903.1	2,871.0	438.8
Perak	52	55	35	510.9	1,293.2	2,391.1
Kelantan	12	4	2	54.2	16.6	13.8
Perlis	3	-	-	20.1	-	-
Location Unconfirmed	1	-	1	35.5	-	10.5
<b>Total</b>	<b>844</b>	<b>708</b>	<b>500</b>	<b>26,405.6</b>	<b>17,020.2</b>	<b>18,337.1</b>

Source: Derived from data provided by MIDA Penang



## Penang: Manufacturing Industry – Principal Statistics

Industry Description	No. of Establishments		Total Employees	
	1995	1996	1995	1996
Food Products	130	270	8,254	8,683
Oil & Fats	17	16	1,236	1,128
Textile & Apparel	98	197	22,701	20,004
Wood Products excluding furniture	27	67	2,882	2,913
Wood-based furniture	9	61	725	675
Paper Products	42	152	8,482	9,131
Chemical Products	47	58	4,741	4,248
Rubber Products	20	32	8,248	7,390
Plastic Products	21	108	10,168	10,070
Non-metallic Mineral Products	30	40	1,143	1,482
Basic Iron & Steel Industry	22	84	5,145	5,870
Non-Ferrous Metal Products	8	10	2,257	2,230
Fabricated Metal Products	58	165	6,169	5,744
Non-electrical Machinery	43	113	14,058	17,192
Electrical Machinery	64	132	103,906	117,038
Motor Vehicles & Other Transport	27	26	3,252	3,498
Scientific & Optical Equipment	10	9	4,636	4,288
Others	41	72	6,852	7,161
<b>TOTAL</b>	<b>714</b>	<b>1612</b>	<b>214,855</b>	<b>228,745</b>

Source: Derived from data provided by DOS, Penang

Industry Description	Value Added (RM '000)		Value Added per Employee (RM)	
	1995	1996	1995	1996
Food Products	389,350	449,794	47,171	51,802
Oil & Fats	69,815	84,013	56,485	74,480
Textile & Apparel	670,087	540,001	29,518	26,995
Wood Products excluding furniture	54,298	74,462	18,840	25,562
Wood-based furniture	17,625	18,351	24,310	27,187
Paper Products	333,920	360,418	39,368	39,472
Chemical Products	473,106	410,719	99,790	96,685
Rubber Products	345,321	359,762	41,867	48,682
Plastic Products	327,794	347,122	32,238	34,471
Non-metallic Mineral Products	55,004	71,413	48,122	48,187
Basic Iron & Steel Industry	400,078	531,305	77,761	90,512
Non-Ferrous Metal Products	118,592	71,446	52,544	32,039
Fabricated Metal Products	199,868	281,155	32,399	48,948
Non-electrical Machinery	493,885	1,075,660	35,132	62,567
Electrical Machinery	4,574,690	5,797,228	44,027	49,533
Motor Vehicles & Other Transport	268,269	251,036	82,494	71,766
Scientific & Optical Equipment	163,667	144,224	35,303	33,634
Others	167,501	190,716	24,446	26,633
<b>TOTAL</b>	<b>9,122,870</b>	<b>11,058,825</b>	<b>42,461</b>	<b>48,346</b>

Source: Derived from data provided by DOS, Penang

Industry Description	Fixed Assets (RM '000)		Salaries/Wages (RM'000)	
	1995	1996	1995	1996
Food Products	412,048	480,079	98,546	109,617
Oil & Fats	122,691	109,714	20,133	18,925
Textile & Apparel	719,554	627,836	266,931	264,245
Wood Products excluding furniture	49,118	98,772	27,408	33,892
Wood-based furniture	11,552	12,136	5,970	5,640
Paper Products	630,770	753,580	105,611	131,499
Chemical Products	1,218,710	1,179,135	89,030	87,424
Rubber Products	261,714	364,477	93,712	99,216
Plastic Products	340,235	433,543	107,049	120,826
Non-metallic Mineral Products	98,998	121,160	15,933	21,959
Basic Iron & Steel Industry	1,079,877	1,207,705	88,823	107,147
Non-Ferrous Metal Products	128,503	133,676	35,168	39,402
Fabricated Metal Products	384,050	499,129	61,888	68,542
Non-electrical Machinery	596,604	996,904	158,706	254,953
Electrical Machinery	5,222,943	4,814,563	1,410,659	1,698,672
Motor Vehicles & Other Transport	208,092	162,632	53,391	58,319
Scientific & Optical Equipment	169,814	156,939	73,687	73,872
Others	154,809	161,055	71,394	82,089
<b>TOTAL</b>	<b>11,810,082</b>	<b>12,313,035</b>	<b>2,784,039</b>	<b>3,276,239</b>

Source: Derived from data provided by DOS, Penang

Industry Description	Tech. Coef. Of Labour		Capital Intensity (RM)	
	1995	1996	1995	1996
Food Products	0.0491	0.0515	49,921	55,290
Oil & Fats	0.0125	0.0180	99,265	97,264
Textile & Apparel	0.1311	0.1412	31,697	31,386
Wood Products excluding furniture	0.1109	0.1229	17,043	33,907
Wood-based furniture	0.1184	0.1054	15,934	17,979
Paper Products	0.1129	0.1207	74,366	82,530
Chemical Products	0.0491	0.0542	257,058	277,574
Rubber Products	0.0915	0.0993	31,731	49,320
Plastic Products	0.1294	0.1345	33,461	43,053
Non-metallic Mineral Products	0.1037	0.1053	86,612	81,754
Basic Iron & Steel Industry	0.0459	0.0475	209,889	205,742
Non-Ferrous Metal Products	0.0412	0.0434	56,935	59,944
Fabricated Metal Products	0.0810	0.0868	62,255	86,896
Non-electrical Machinery	0.0513	0.0514	42,439	57,987
Electrical Machinery	0.0714	0.0724	50,266	41,137
Motor Vehicles & Other Transport	0.0668	0.0642	63,989	46,493
Scientific & Optical Equipment	0.1988	0.2173	36,629	36,600
Others	0.0815	0.1179	22,593	22,491
<b>TOTAL</b>	<b>0.0711</b>	<b>0.0736</b>	<b>54,968</b>	<b>53,829</b>

Source: Derived from data provided by DOS, Penang

## TERTIARY SECTOR

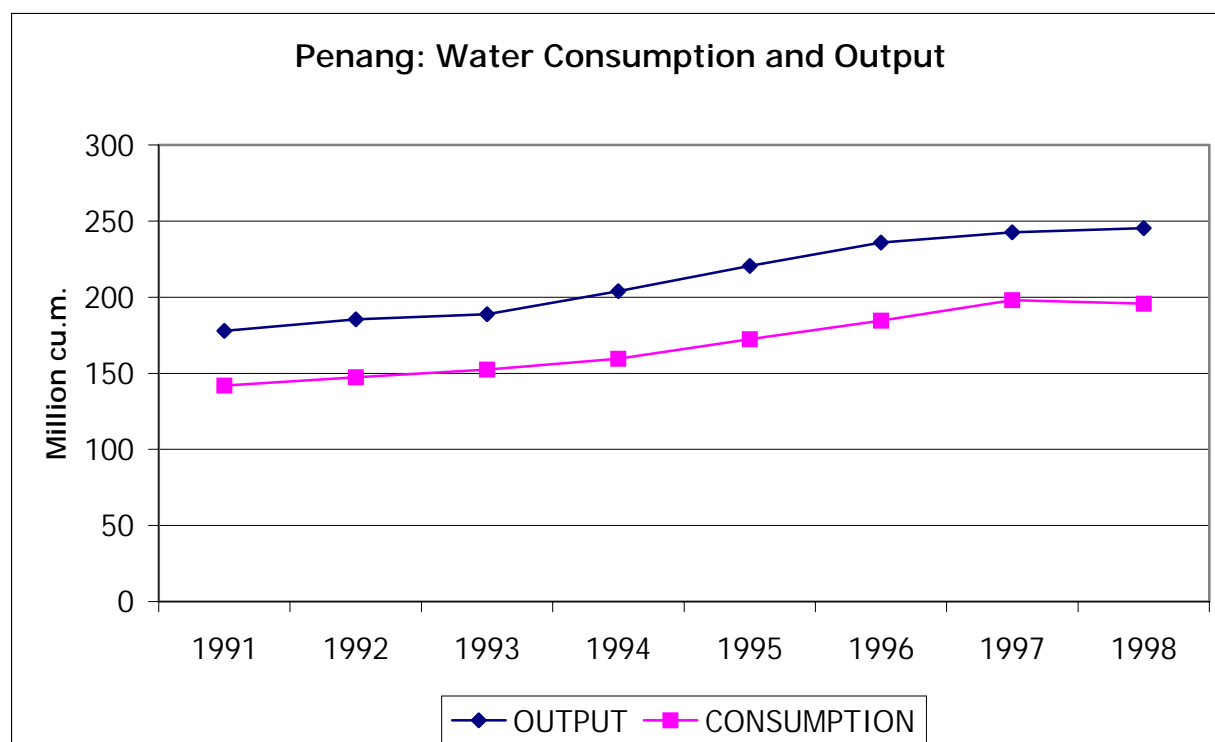
### UTILITIES

#### WATER

#### Penang: Water Output And Consumption 1991-1999 (June) ('000 cubic Metres)

Year	Output	% Increase	Consumption	% Increase
1991	177,829	-	141,866	-
1992	185,413	4.3	147,424	3.9
1993	188,685	1.8	152,477	3.4
1994	204,006	8.1	159,598	3.4
1995	220,550	8.1	172,321	8.0
1996	235,931	7.0	184,541	7.1
1997	242,531	2.8	198,038	7.3
1998	245,425	1.2	195,668	-1.2
1998 (Jan-Jun)	123,602		100,697	
1999 (Jan-Jun)	124,765	0.9	98,092	-2.6

Source: Derived from data provided by the Penang Water Authority



Source: Derived from data provided by the Penang Water Authority

**Penang: Daily Water Supply and Consumption 1997 & 1999**

	1998			1999		
	Penang Island	Seberang Perai	Penang State	Penang Island	Seberang Perai	Penang State
No. of Treatment Plants	6	4	10	6	4	10
Max. Capacity of Treatment Plants (cu.m./day)	168,182	704,545	872,727	172,727	881,820	1,054,547
Average Daily Production (cu.m.)	336,556	335,843	672,399	116,788	533,542	650,330
Average Daily Consumption (cu.m)	269,745	266,333	536,078	275,963	265,979	541,942
No. of Services (consumers)	161,096	153,825	314,921	168,000	160,300	328,300
Daily Consumption (cu.m)						
Per consumer	1.67	1.73	1.70	1.64	1.66	1.65
Per industrial consumer	7.16	6.16	6.63	6.76	5.71	6.24
Per domestic consumer	1.09	1.16	1.13	1.08	1.12	1.1

Source: Derived from data provided by the Penang Water Authority

**ELECTRICITY****Penang: Power Demand & Supply**

Year	Maximum Demand (MW)	Installed Capacity (MW)	Excess Capacity (%)
1992	593	800	34.9
1993	637	800	25.6
1994	715	800	11.9
1995	784	800	2.0
1996	869	1442	65.9
1997	970	2186	56.0
1998	954	2014	111.0
1999*	987	2091	112.0
2000*	1022	2244	120.0

Note: \* Projected Figures

Source: TNB, Penang.

## TRANSPORT

### ROAD TRANSPORT

#### Motor Vehicle Re-registration 2000

Month	Region	Motorcycle	Private Passenger Car	Taxi	Bus	Lorry & Van	Hire Car	Others	Total
January	Penang	642445	356985	2399	3763	35364	312	11418	1,052,686
	Malaysia	5108435	3813234	55815	47798	644509	9987	305045	9,984,823
February	Penang	645253	359551	2398	3767	35466	314	11453	1,058,202
	Malaysia	5133301	3837746	55776	47870	646030	9943	305681	10,036,347
March	Penang	648805	362911	2402	3790	35606	321	11472	1,065,307
	Malaysia	5160384	3870730	55829	47960	648668	10051	306574	10,100,196
April	Penang	651583	365965	2400	3806	35755	330	11506	1,071,345
	Malaysia	5182744	3900607	55902	48004	650674	10052	307347	10,155,330
May	Penang	654249	369332	2402	3813	35892	335	11553	1,077,576
	Malaysia	5204686	3930818	55983	48076	652831	10060	308197	10,210,651
June	Penang	657199	372683	2412	3824	36049	335	11628	1,084,130
	Malaysia	5226195	3959642	56036	48166	654840	10152	309059	10,264,090
July	Penang	659975	376227	2421	3845	36169	340	11666	1,090,643
	Malaysia	5251054	3991576	56061	48283	656737	10168	310248	10,324,127
August	Penang	662948	379824	2420	3857	35301	337	11727	1,097,414
	Malaysia	5274814	4023863	48362	56104	658567	10378	311330	10,383,418
September	Penang	665695	382523	2427	3868	36429	336	11794	1,103,072
	Malaysia	5297220	4051994	56072	48470	660505	10503	312429	10,437,193
October	Penang	668427	386098	2439	3880	36567	344	11853	1,109,608
	Malaysia	5317860	4083469	56150	48523	662063	10649	313396	10,492,110

#### New Motor Vehicle Registration 2000

Month	Region	Motorcycle	Private Passenger Car	Taxi	Bus	Lorry & Van	Hire Car	Others	Total
January	Penang	2868	2590	3	6	114	0	19	5,600
	Malaysia	23293	25278	169	61	1666	85	747	51,299
February	Penang	2780	2552	3	1	106	6	55	5,503
	Malaysia	20880	23246	174	27	1434	103	622	46,486
March	Penang	3404	3282	10	2	156	11	36	6,901
	Malaysia	22677	30878	267	40	2495	278	844	57,479
April	Penang	2751	2985	5	4	171	9	54	5,979
	Malaysia	18940	28552	284	27	2174	112	852	50,941
May	Penang	2705	3460	12	1	153	3	58	6,392
	Malaysia	19523	29954	316	44	2334	216	987	53,374
June	Penang	2938	3346	6	4	158	2	88	6,542
	Malaysia	19340	27836	229	46	2167	199	881	50,698
July	Penang	2754	3545	4	4	142	0	49	6,498
	Malaysia	20824	30605	217	64	2019	271	1121	55,121
August	Penang	2952	3571	9	5	144	4	62	6747
	Malaysia	20336	31235	233	56	2130	324	1165	55479
September	Penang	2638	2670	10	3	156	3	72	5552
	Malaysia	19372	26898	152	57	2191	441	1218	50329
October	Penang	2605	3553	11	1	155	7	59	6391
	Malaysia	18052	30321	242	34	1971	367	1008	51995

Source: Derived from the statistics provided by Jabatan Pengangkutan Jalan, Malaysia

## TRADE

### PENANG AIRPORT

#### Aircraft Movements per annum, 1991-2000 (Jan-Nov)

Year	No. of Movement
1991	30,818
1992	36,826
1993	35,034
1994	35,950
1995	35,556
1996	36,956
1997	35,445
1998	31,816
1999	27,465
2000 (Jan-Nov)	25,163

Source: Derived from series of Airport Statistics, Malaysia Airports Berhad

#### Number of Passengers (Domestic & International) per annum, 1991-2000 (Jan-Nov)

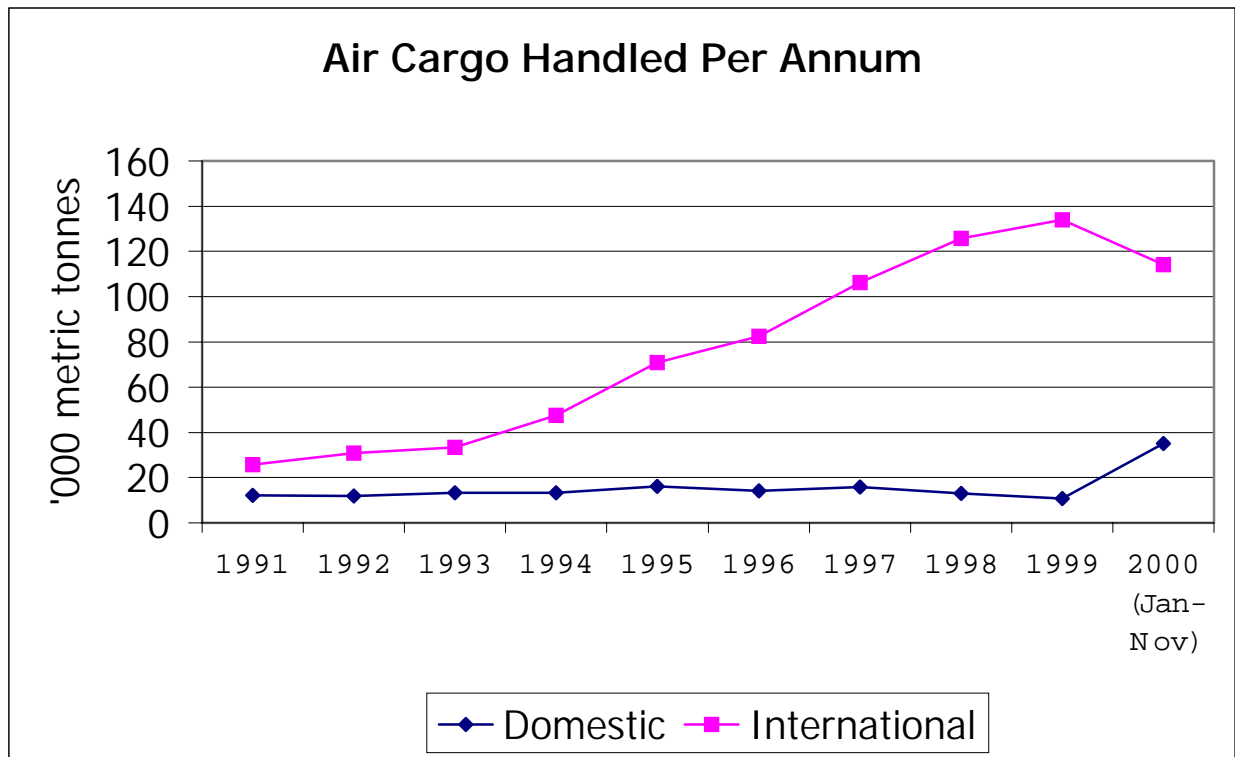
Year	No. of Passengers (millions)		
	Domestic	International	Total
1991	1.27	0.90	2.17
1992	1.56	1.08	2.64
1993	1.65	1.13	2.78
1994	1.58	1.20	2.78
1995	1.60	1.25	2.85
1996	1.70	1.18	2.88
1997	1.68	1.23	2.91
1998	1.35	1.10	2.45
1999	1.35	1.10	2.45
2000 (Jan-Nov)	1.35	1.15	2.50

Source: Derived from series of Airport Statistics, Malaysia Airports Berhad

**Cargo Handled (Domestic & International) per annum, 1991-2000 (Jan-Nov)**

Year	Cargo Handled (in '000 metric tonnes)*		
	Domestic	International	Total
1991	12.06	25.72	37.78
1992	11.84	30.78	42.62
1993	13.21	33.42	46.63
1994	13.38	47.58	60.96
1995	16.13	70.70	86.83
1996	14.16	82.37	96.53
1997	15.96	106.21	122.17
1998	12.32	124.74	137.06
1999	10.62	133.89	144.51
2000(Jan-Nov)	34.98	114.06	149.04

\* The figures from 1993 onwards are based on new categorization method.  
 Source: Derived from series of Airport Statistics, Malaysia Airports Berhad.



**PENANG PORT****Annual Number of Shipcalls, 1991-2000 (Jan-Oct)**

Year	Domestic	Foreign	Total
1990	2,437	3,091	5,528
1991	2,750	3,051	5,801
1992	3,058	3,208	6,266
1993	1,327	4,716	6,043
1994	1,379	4,820	6,199
1995	1,443	5,022	6,465
1996	1,416	5,117	6,533
1997	1,725	5,346	7,071
1998	2,553	5,072	7,625
1999	2,635	4,736	7,371
2000 (Jan-Oct)	2,674	3,321	5,995

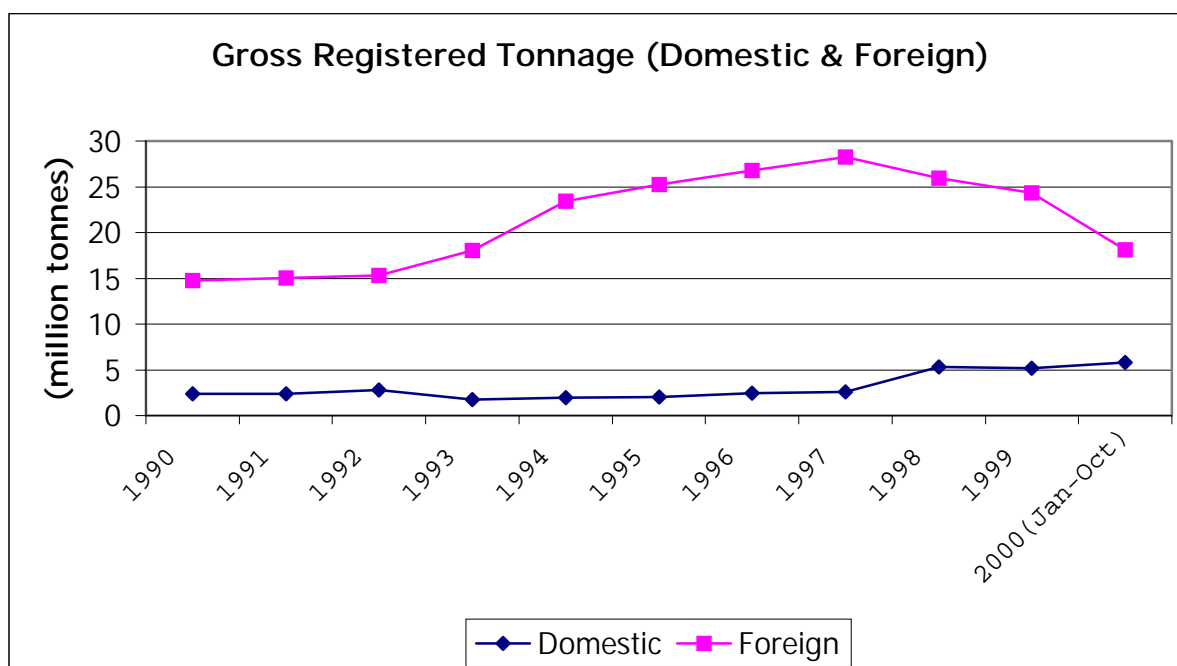
Source: Derived from the statistics provided by Penang Port Sdn Bhd

**Gross Registered Tonnage (Domestic & Foreign) in Million, 1991-2000 (Jan-Oct)**

Year	Domestic	Foreign	Total
1990	2.38	14.78	17.16
1991	2.41	15.05	17.46
1992	2.81	15.33	18.14
1993	1.75	18.02	19.77
1994	1.95	23.40	25.35
1995	2.06	25.26	27.32
1996	2.43	26.76	29.19
1997	2.59	28.23	30.82
1998	5.29	25.93	31.22
1999	5.19	24.35	29.54
2000 (Jan-Oct)	5.80	18.08	23.88

Source: Derived from the statistics provided by Penang Port Sdn Bhd





Source: Derived from the statistics provided by Penang Port Sdn Bhd

### Type of Cargo Handled, 1990-2000 (Jan-Oct)

Year	General Cargo	Dry Bulk	Liquid Bulk	Containerised	Total	Container
		(million freight tonnes)				
1990	2.21	2.06	2.73	3.85	10.85	222,441
1991	2.02	2.31	2.94	4.79	12.06	251,849
1992	1.99	2.46	3.14	5.63	13.22	303,367
1993	1.96	2.90	3.28	6.22	14.36	330,915
1994	1.93	2.60	3.31	7.29	15.14	386,182
1995	2.12	2.99	3.46	8.10	16.67	433,474
1996	2.11	3.20	3.52	8.67	17.50	454,765
1997	2.59	3.37	4.11	9.62	19.69	506,863
1998	1.67	2.23	3.86	8.69	16.45	510,307
1999	1.85	2.77	3.99	10.15	18.76	566,409
2000 (Jan-Oct)	1.50	2.80	3.36	9.27	16.93	533,390

Source: Derived from the statistics provided by Penang Port Sdn Bhd

## TOURISM

### Penang: Average Occupancy Rate, Number of Registered Guests and Estimated Total Visitor Arrivals

	1996	1997	1998	1999	2000 (Jan-June)
Average Occupancy Rate	61.64%	59.40%	60.35%	59.66%	54.97%
Average Occupancy Rate for Beach Hotels	59.61%	56.93%	66.07%	62.90%	65.21%
Average Occupancy for City Hotels	64.98%	63.29%	52.35%	56.26%	47.64%
Number of Registered Guests Recorded	1,966,942	1,923,781	1,738,385	2,169,871	n.a.
Estimated Total Visitor Arrivals for the State	3,444,148	3,167,239	3,251,141	3,519,660	1,745,489
Estimated Total Domestic Visitors	44.24%	47.80%	39.10%	41.48%	n.a.
Estimated Total International Visitors	55.76%	52.20%	60.90%	58.52%	n.a.

Source: Tourism Development Division, PDC

## PROPERTY

### Penang: Average House Prices (Jul-Dec 1999) (Average Prices RM/Unit)

	Terraced		Semi-Detached		Detached		High-Rise	
	Single Storey	Double Storey	Single Storey	Double Storey	Single Storey	Double Storey	Flat	Condo./ Apt.
Penang Island	106,859	192,023	175,517	308,030	323,509	570,359	99,567	233,888
Barat Daya	159,895	120,893	258,379	279,571	184,347	492,000	93,438	153,391
S Perai Selatan	74,291	103,805	104,826	171,263	167,104	418,605	ND	ND
S Perai Tengah	96,667	88,000	133,774	202,011	125,835	262,977	55,584	73,786
S Perai Utara	121,765	120,000	170,839	255,667	174,439	417,667	74,005	115,280
Timur Laut	259,699	250,000	385,217	452,651	984,418	1,094,884	107,591	256,348

Source: Derived from Malaysia House Price Indices

### Penang: Average House Prices (Jan-Jun 2000) (Average Prices RM/Unit)

	Terraced		Semi-Detached		Detached		High-Rise	
	Single Storey	Double Storey	Single Storey	Double Storey	Single Storey	Double Storey	Flat	Condo./ Apt.
Penang Island	115,330	210,668	184,077	413,379	375,127	814,162	107,389	224,604
Barat Daya	211,415	309,074	360,000	521,533	148,500	498,400	88,269	171,094
S Perai Selatan	77,135	125,841	98,420	215,900	122,964	443,100	37,500	ND
S Perai Tengah	103,619	159,414	144,714	253,454	145,500	350,000	56,093	ND
S Perai Utara	113,259	159,881	186,250	294,187	197,000	135,000	74,083	116,000
Timur Laut	280,850	372,892	381,818	541,464	767,375	1,177,158	114,822	240,476

Source: Derived from Malaysia House Price Indices

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

	Residential		Commercial		Industrial		Agriculture		Development Land		Others		Total	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
0-25,000	247	203	14	10	0	2	398	364	64	61	2	0	725	640
25,001-50,000	594	581	11	8	1	1	195	198	73	51	2	0	876	839
50,001-75,000	1435	1458	22	33	2	0	119	128	72	26	4	0	1654	1645
75,001-100,000	1364	1430	33	40	0	1	90	94	40	9	3	1	1530	1575
100,001-150,000	1236	1548	83	77	7	6	91	72	41	29	3	3	1461	1735
150,001-200,000	643	854	110	178	41	20	50	61	30	24	2	0	876	1137
200,001-250,000	338	351	131	107	57	38	36	29	20	14	0	0	582	539
250,001-500,000	507	780	328	254	205	127	55	57	62	52	8	1	1165	1271
500,001-1,000,000	126	159	106	97	35	47	23	19	42	34	3	0	335	356
1,000,000 & above	16	29	11	19	17	23	23	9	95	32	6	0	168	112
Total	6506	7393	849	823	365	265	1080	1031	539	332	33	5	9372	9849
(% Breakdown)	69.4	75.1	9.1	8.4	3.9	2.7	11.5	10.5	5.8	3.4	0.4	0.1	100.0	100.0

Source: Derived from Malaysia House Price Indices, Jan-Jun 1998, Jul-Dec 1999, and series of Property Market Reports

## Penang: House Price Indices

Index 1990 = 100

Year	Indices				
	Terraced	Semi-Detached	Detached	High-Rise	All Houses
1988	90.0	87.2	72.9	77.9	87.7
1989	92.0	92.5	77.5	88.1	92.2
1990	100.0	100.0	100.0	100.0	100.0
1991	110.6	111.3	118.2	117.6	111.7
1992	113.9	116.0	135.1	125.5	115.7
1993	118.5	125.3	145.2	132.7	124.3
1994	126.0	143.3	162.5	145.0	132.5
1995	149.7	151.1	180.9	160.0	145.0
1996	153.7	170.0	197.2	156.4	152.1
1997	165.7	184.6	206.1	170.8	169.2
1998	157.7	167.3	179.2	162.7	159.4
1999	161.0	169.3	173.4	163.4	165.4
2000 (Jan-Jun)	177.4	186.5	186.9	164.6	171.5

Source: Derived from Malaysia House Price Indices, Jan-Jun 1998, Jul-Dec 1999, and series of Property Market Reports

## EDUCATION

### Penang: Number of Schools, Students and Teachers at the Primary Level 1998 & 1999

Type of School	No. of Schools		No. of Students		No. of Teachers	
	1998	1999	1998	1999	1998	1999
SK/SRK	123	123	77,733	77,688	4,051	4,019
SRJK(C)	90	90	54,124	54,061	2,504	2,504
SRJK(T)	28	28	4,815	4,821	343	343
SR Khas	3	3	199	199	54	57
<b>Total</b>	<b>244</b>	<b>244</b>	<b>136,871</b>	<b>136,769</b>	<b>6,952</b>	<b>6,923</b>

Source: Jabatan Pendidikan Pulau Pinang

### Penang: Number of Schools, Students and Teachers at the Secondary Level 1998 & 1999

Type of School	No. of Schools		No. of Students		No. of Teachers	
	1998	1999	1998	1999	1998	1999
SM Biasa	71	71	101,889	106,011	5,536	5,503
SM (Asrama Penuh)	1	1	525	725	72	73
SM Khas	1	1	246	227	43	42
SM Vokasional & SM Teknik	5	5	2,827	2,895	311	322
SM Agama	4	4	2,252	3,132	186	180
<b>Total</b>	<b>82</b>	<b>82</b>	<b>107,739</b>	<b>112,990</b>	<b>6,148</b>	<b>6,120</b>

Source: Jabatan Pendidikan Pulau Pinang

## HEALTH

### Life Expectancy (Peninsula Malaysia):

Male	69.6 years
Female	74.6 years

### Vital Statistics of Penang (per thousand), 1991-2000 (Jan-May):

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000(f)
Crude Birth Rate	22.3	21.9	21.5	22.8	24.9	23.6	21.8	20.8	20.9	19.00
Crude Death Rate	5.5	4.5	5.3	6.3	5.9	6.4	6.2	6.2	6.09	6.00
Infant Mortality Rate	8.2	8.7	9.0	8.7	7.2	7.5	7.0	6.2	5.55	5.31
Prenatal Mortality Rate	12.6	13.9	12.8	12.5	9.9	9.5	8.6	8.3	8.97	7.35
Neonatal Mortality Rate	6.3	6.2	6.8	6.3	5.0	5.3	4.9	4.1	3.98	4.90
Toddler Mortality Rate	0.4	0.5	0.4	0.3	0.4	0.4	0.3	0.4	0.19	0.15
Maternal Mortality Rate	0.5	0.4	0.3	0.6	0.3	0.3	0.4	0.5	0.16	0.16

(f): Forecast

Source: Penang State Health Department, series of Penang Health Information and from unpublished sources

### Penang: Ratio of Medical Professionals – Population

	1993	1994	1995	1996	1997	1998	1999	2000(f)
Doctor	1:1435	1:1514	1:1482	1:1432	1:1353	1:1244	1:1194	1:1145
Dentist	1:11932	1:9365	1:9576	1:8882	1:9258	1:9425	1:8203	1:7871
Nurse	1:606	1:713	1:669	1:677	1:728	1:689	1:633	1:600

(f): Forecast

Source: Penang State Health Department, series of Penang Health Information and from unpublished sources

**Penang: Health Facilities 1996-2000**

	1996	1997	1998	1999	2000
Government Hospital	5	5	5	5	5
Private Hospital	10	11	11	11	11
Private Maternity Home	8	7	7	8	8
Polyclinic	6	6	6	6	6
Mother & Child Health Care	12	12	12	12	12
Health Centre	16	16	16	16	16
Rural Clinics	28	28	61	61	61
Midwives-quarters-cum-clinics	38	38	3	3	3

Source: Penang State Health Department, series of Penang Health Information and from unpublished sources

**Penang: No. of Hospital Beds (Government & Private) According to Administrative District**

District	1998			1999			2000		
	Govt	Private	Total	Govt	Private	Total	Govt	Private	Total
Timur Laut	1276	1523	<b>2799</b>	1236	1394	<b>2630</b>	1236	n.a	<b>n.a</b>
Barat Daya	71	50	<b>121</b>	71	50	<b>121</b>	314	n.a	<b>n.a</b>
S. Perai Utara	0	200	<b>200</b>	314	198	<b>198</b>	260	n.a	<b>n.a</b>
S. Perai Tengah	546	115	<b>661</b>	260	115	<b>689</b>	130	n.a	<b>n.a</b>
S. Perai Selatan	130	0	<b>130</b>	130	0	<b>130</b>	71	n.a	<b>n.a</b>
<b>Total</b>	<b>2023</b>	<b>1888</b>	<b>3911</b>	<b>2011</b>	<b>1757</b>	<b>3768</b>	<b>2011</b>	n.a	<b>n.a</b>

Source: Penang State Health Department, series of Penang Health Information and from unpublished sources

**Penang: HIV/AIDS (Total Identified Cases)**

	1995	1996	1997	1998	1999	2000 (Jan-Jun)
HIV	174	194	215	187	225	88
AIDS	14(13)	24(24)	27(27)	52(35)	105(55)	33(24)

Note: ( ) = deaths

Source: Penang State Health Department