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YEARBOOK OF STATISTICS SINGAPORE 1982/83

CHIEF STATISTICIAN
DEPARTMENT OF STATISTICS
SINGAPORE

PREFACE

The Yearbook of Statistics, Singapore, 1982/83 is the sixteenth edition. The Yearbook gathers together, in a concise and convenient form, important statistical series available on the demographic, economic and social characteristics of Singapore. Some general information relating to the services provided by the public sector has also been included. The contents of this Yearbook have been revised to keep abreast of the latest developments in Singapore. This edition includes some important findings from the Census of Population, 1980.

The Department of Statistics also publishes the Singapore Statistical Charts, 1982/83 which highlights various socio-economic trends in Singapore in the form of coloured graphs and charts. This Yearbook together with the Singapore Statistical Charts should provide the necessary statistical reference on Singapore.

The Yearbook is prepared and edited mainly by the staff of the Publication Section of the Department of Statistics. Most of the data are compiled from series kept by the Department of Statistics and other government departments and statutory bodies. The Department of Statistics gratefully acknowledges the co-operation and assistance of the organizations who have provided data for publication in this Yearbook.

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NOTATIONS

UNIT OF MEASUREMENT

* preliminary
 .. not available
 nec not elsewhere classified
 nes not elsewhere specified
 nie not included elsewhere

Ton = long ton of 2,240 lb
 Tonne = metric ton = 2,204.6 lb
 kl = kilolitre = 219.976 gal

ECONOMIC INDICATORS

Year	National Income									Industrial Production ¹	
	Gross National Product	Per Capita Indigenous Gross National Product	Gross National Saving	Gross Domestic Capital Formation	Gross Domestic Product	Gross Domestic Fixed Capital Formation	Consumption Expenditure			Output	Index of Production (1978=100)
							Total	Public	Private		
	At Current Market Prices					At 1968 Market Prices					
	\$ Million	\$	\$ Million								
1972	8,135.2	3,206	1,962.0	3,354.4	7,119.7	2,411.3	5,613.8	891.2	4,722.6	6,126.7	60.8
1973	9,981.2	3,849	2,725.0	4,000.0	7,941.3	2,614.5	6,040.1	940.1	5,100.0	8,705.6	71.0
1974	12,192.6	4,491	3,102.4	5,592.0	8,445.2	2,884.1	6,377.2	941.1	5,436.1	14,237.0	73.9
1975	13,496.5	4,889	3,850.9	5,236.1	8,790.3	2,766.3	6,566.1	966.9	5,599.2	13,197.4	73.2
1976	14,493.9	5,231	4,441.2	5,843.0	9,447.4	2,908.6	6,911.2	1,015.3	5,895.9	16,175.0	82.0
1977	15,781.6	5,712	4,904.4	5,624.2	10,193.2	2,952.2	7,329.1	1,108.9	6,220.2	18,293.5	89.6
1978	17,707.6	5,968	5,649.0	6,678.0	11,074.0	3,333.0	7,872.6	1,236.5	6,636.1	20,492.3	100.0
1979	20,373.4	6,710	6,946.6	8,546.7	12,114.1	3,740.9	8,320.2	1,218.7	7,101.5	26,331.0	115.1
1980	23,228.6	7,768	7,641.8	10,991.1	13,366.5	4,494.1	8,986.1	1,337.9	7,648.2	32,805.8	129.2
1981	27,372.1	9,222	9,816.4	12,736.9	14,695.2	5,204.0	9,592.3	1,408.4	8,183.9	37,694.0	141.8
1982*	30,379.2	10,061	11,700.8	14,438.0	15,626.9	6,459.0	10,064.6	1,528.8	8,535.8	36,266.6	133.9

¹ Establishments engaging 10 or more workers.

GROWTH RATES IN ECONOMIC INDICATORS

Per Cent

		National Income								Industrial Production	
Year	Gross National Product	Per Capita Indigenous Gross National Product	Gross National Saving	Gross Domestic Capital Formation	Gross Domestic Product	Gross Domestic Fixed Capital Formation	Consumption Expenditure			Output	Index of Production (1978=100)
							Total	Public	Private		
	At Current Market Prices					At 1968 Market Prices					
1972	19.4	16.1	56.6	22.2	13.4	14.7	9.7	13.3	9.1	15.8	18.8
1973	22.7	20.1	38.9	19.2	11.5	8.4	7.6	5.5	8.0	42.1	16.8
1974	22.2	16.7	13.8	39.8	6.3	10.3	5.6	0.1	6.6	63.5	4.1
1975	10.7	8.9	24.1	-6.4	4.1	-4.1	3.0	2.7	3.0	-7.3	-0.9
1976	7.4	7.0	15.3	11.6	7.5	5.1	5.3	5.0	5.3	22.6	12.0
1977	8.9	9.2	10.4	-3.7	7.9	1.5	6.0	9.2	5.5	13.1	9.3
1978	12.2	4.5	15.2	18.7	8.6	12.9	7.4	11.5	6.7	12.0	11.6
1979	15.1	12.4	23.0	28.0	9.4	12.2	5.7	-1.4	7.0	28.5	15.1
1980	14.0	15.8	10.0	28.6	10.3	20.1	8.0	9.8	7.7	24.6	12.3
1981	17.8	18.7	28.5	15.9	9.9	15.8	6.7	5.3	7.0	14.9	9.8
1982*	11.0	9.1	19.2	13.4	6.3	24.1	4.9	8.5	4.3	-3.8	-5.6

ECONOMIC INDICATORS (continued)

Year	Building and Construction			Utilities			External Trade				
	Floor Area of			Electricity Production	Gas Production	Water Consumption	Total	Imports	Exports		
	Buildings Commenced	Buildings Under Con- struction	Buildings Completed						Total Exports	Domestic Exports	Re-exports
				Thousand Square Metres			Million Kilowatt Hours				
1972	4,276	7,261	3,049	3,143.6	320.9	175.5	15,687.4	9,538.0	6,149.4	3,101.0	3,048.4
1973	4,183	7,939	3,505	3,719.4	344.7	174.9	21,419.7	12,512.9	8,906.8	4,412.2	4,494.6
1974	4,649	8,674	3,913	3,864.3	391.1	176.5	34,559.5	20,404.9	14,154.6	8,413.6	5,741.0
1975	6,952	10,591	5,035	4,176.0	432.4	192.7	32,028.3	19,270.4	12,757.9	7,540.4	5,217.5
1976	5,359	10,721	5,228	4,604.9	457.1	199.5	38,670.4	22,404.5	16,265.9	9,362.4	6,903.5
1977	5,503	11,043	5,182	5,114.7	487.5	211.8	45,612.2	25,521.9	20,090.3	11,651.8	8,438.5
1978	4,820	10,132	5,732	5,898.0	539.0	225.6	52,586.8	29,601.3	22,985.5	13,226.2	9,759.3
1979	5,339	10,930	4,541	6,447.9	597.1	239.5	69,274.5	38,334.4	30,940.1	18,200.4	12,739.7
1980	5,616	11,861	4,693	6,940.4	614.1	258.1	92,797.1	51,344.8	41,452.3	25,805.2	15,647.1
1981	9,648	17,142	4,358	7,442.0	625.6	278.2	102,538.8	58,248.0	44,290.8	29,452.0	14,838.8
1982	13,622	25,251	5,513	7,859.6	624.8	290.0	104,717.4	60,244.6	44,472.8	29,157.8	15,315.0

GROWTH RATES IN ECONOMIC INDICATORS (continued)

Per Cent

Year	Building and Construction			Utilities			External Trade				
	Floor Area of			Electricity Production	Gas Production	Water Consumption	Total	Imports	Exports		
	Buildings Commenced	Buildings Under Con- struction	Buildings Completed						Total Exports	Domestic Exports	Re-exports
1972	-7.3	20.4	38.7	21.6	7.1	9.0	11.8	10.1	14.5	30.7	1.7
1973	-2.2	9.3	15.0	18.3	7.4	-0.3	36.5	31.2	44.8	42.3	47.4
1974	11.1	9.3	11.6	3.9	13.5	0.9	61.3	63.1	58.9	90.7	27.7
1975	49.5	22.1	28.7	8.1	10.6	9.2	-7.3	-5.6	-9.9	-10.4	-9.1
1976	-22.9	1.2	3.8	10.3	5.7	3.5	20.7	16.3	27.5	24.2	32.3
1977	2.7	3.0	-0.9	11.1	6.7	6.2	18.0	13.9	23.5	24.5	22.2
1978	-12.4	-8.2	10.6	15.3	10.6	6.5	15.3	16.0	14.4	13.5	15.7
1979	10.8	7.9	-20.8	9.3	10.8	6.2	31.7	29.5	34.6	37.6	30.5
1980	5.2	8.5	3.3	7.6	2.8	7.8	34.0	33.9	34.0	41.8	22.8
1981	71.8	44.5	-7.1	7.2	1.9	7.8	10.5	13.4	6.8	14.1	-5.2
1982	41.2	47.3	26.5	5.6	-0.1	4.2	2.1	3.4	0.4	-1.0	3.2

ECONOMIC INDICATORS (continued)

Year	Transport and Telecommunication								Balance of Payments		
	Seaborne Cargo Handled			Airborne Cargo Handled			Outgoing Telex Calls	Internation- al Telephone Calls ²	Current Account Balance	Capital Account Balance ³	Overall Balance
	Total	Loaded	Discharged	Total	Loaded	Discharged					
	Thousand Freight Tonnes			Tonnes			Thousand		\$ Million		
1972	57,064.2	21,412.4	35,651.8	30,529	17,431	13,098	356	431	-1,392.4	2,337.4	945.0
1973	61,268.9	22,702.0	38,566.9	41,570	22,717	18,853	572	577	-1,275.0	2,280.2	1,005.2
1974	60,452.5	22,738.9	37,713.6	58,129	34,286	23,843	975	707	-2,489.6	3,208.0	718.4
1975	52,099.2	19,067.2	33,032.0	66,087	39,811	26,276	1,662	843	-1,385.2	2,351.6	966.4
1976	57,976.5	20,273.4	37,703.1	76,612	45,181	31,431	2,330	1,077	-1,401.8	2,139.2	737.4
1977	64,118.6	24,284.8	39,833.8	88,503	53,142	35,361	3,056	1,301	-719.8	1,483.1	763.3
1978	73,339.2	28,506.7	44,832.5	123,093	64,359	58,734	3,977	1,760	-1,029.0	2,540.5	1,511.5
1979	79,812.8	31,388.4	48,424.4	158,087	79,786	78,301	5,385	2,490	-1,600.1	2,723.1	1,137.3
1980	80,962.5	32,412.5	48,550.0	181,775	91,062	90,713	7,354	3,535	-3,349.3	4,768.6	1,433.8
1981	87,343.8	33,745.1	53,598.7	197,103	96,172	100,931	9,563	5,058	-2,920.5	4,841.3	1,938.4
1982	95,660.9	35,665.0	59,995.9	222,304	101,589	120,715	12,043	7,091	-2,737.2*	5,254.7*	2,517.5*

2 Exclude calls to Peninsular Malaysia.

3 Include balancing item.

GROWTH RATES IN ECONOMIC INDICATORS (continued)

Per Cent

Year	Transport and Telecommunication							Balance of Payments			
	Seaborne Cargo Handled			Airborne Cargo Handled			Outgoing Telex Calls	International Telephone Calls	Current Account Balance	Capital Account Balance	Overall Balance
	Total	Loaded	Discharged	Total	Loaded	Discharged					
1972	15.0	7.8	19.8	18.8	13.2	27.1	74.5	23.1	36.9	-26.5	-3.1
1973	7.4	6.0	8.2	36.2	30.3	43.9	60.7	33.9	8.4	-2.4	6.4
1974	-1.3	0.2	-2.2	39.8	50.9	26.5	70.5	22.5	-95.3	40.7	-28.5
1975	-13.8	-16.1	-12.4	13.7	16.1	10.2	70.5	19.2	44.4	-26.7	34.5
1976	11.3	6.3	14.1	15.9	13.5	19.6	40.2	27.8	-1.2	-9.0	-23.7
1977	10.6	19.8	5.7	15.5	17.6	12.5	31.2	20.8	48.7	-30.7	3.5
1978	14.4	17.4	12.5	39.1	21.1	66.1	30.1	35.3	-43.0	71.3	98.0
1979	8.8	10.1	8.0	28.4	24.0	33.3	35.4	41.5	-55.5	7.2	-24.8
1980	1.4	3.3	0.3	15.0	14.1	15.9	36.6	42.0	-109.3	75.1	26.1
1981	7.9	4.1	10.4	8.4	5.6	11.3	33.0	43.1	12.8	1.5	35.2
1982	9.5	5.7	11.9	12.8	5.6	19.6	25.9	40.2	6.3*	8.5*	29.9*

ECONOMIC INDICATORS (continued)

Year	Money Supply (M1)	Official Foreign Reserves		Commercial Banks					Asian Currency Units	Merchant Banks	Discount Houses
		Total	Ratio to Merchandise Imports	Total Assets/Liabilities	Deposits of Non-bank Customers	Advances to Non-bank Customers ⁴	Prime Lending Rate	12 Months' Deposit Rate	Total Assets/Liabilities		
		\$ Million	Months	\$ Million			Per Cent	Per Annum	US\$ Million	\$ Million	
1972	2,384.8	4,929.9	6.20	8,190.9	4,736.7	4,292.8	7.50	5.75	2,976.1	..	126.6
1973	2,632.7	5,800.1	5.56	10,719.3	5,799.8	6,271.2	9.00	7.25	6,277.2	..	370.3
1974	2,858.8	6,502.9	3.82	12,404.8	6,585.8	6,930.4	10.25	9.00	10,357.3	1,422.3	436.0
1975	3,472.2	7,486.0	4.66	14,416.6	7,606.0	7,829.3	7.08	5.79	12,597.4	1,839.7	493.7
1976	4,000.0	8,261.5	4.42	16,526.8	8,488.5	8,894.2	6.78	5.31	17,354.1	2,656.7	552.7
1977	4,412.1	9,022.9	4.24	18,238.0	8,969.5	10,183.0	7.02	5.53	21,018.3	2,463.9	618.5
1978	4,925.9	11,473.8	4.65	21,218.3	10,045.7	12,226.4	7.65	6.01	27,040.1	3,746.7	684.7
1979	5,706.1	12,562.4	3.93	26,747.8	12,178.4	16,007.0	9.48	7.65	38,162.7	8,378.4	763.6
1980	6,134.7	13,757.7	3.22	33,316.1	16,035.0	20,206.8	13.60	10.55	54,392.6	13,299.6	949.5
1981	7,242.1	15,491.1	3.19	44,630.7	20,007.9	25,229.1	11.83	8.95	85,775.2	19,279.7	1,603.8
1982	8,156.8	17,917.9	3.57	48,537.2	23,408.7	29,442.9	9.33	7.08	103,295.7	22,020.4	2,050.5

⁴ Include bills financing.

GROWTH RATES IN ECONOMIC INDICATORS (continued)

Per Cent

Year	Money Supply (M1)	Official Foreign Reserves	Commercial Banks					Asian Currency Units	Merchant Banks	Discount Houses
			Total Assets/ Liabilities	Deposits of Non-bank Customers	Advances to Non-bank Customers	Prime Lending Rate	12 Months' Deposit Rate			
1972	35.5	20.4	35.1	26.5	35.4	-6.3	-4.2	180.0	..	..
1973	10.4	17.7	30.9	22.4	46.1	20.0	26.1	110.9	..	192.5
1974	8.6	12.1	15.7	13.6	10.5	13.9	24.1	65.0	..	17.7
1975	21.5	15.1	16.2	15.5	13.0	-30.9	-35.7	21.6	29.3	13.2
1976	15.2	10.3	14.6	11.6	13.6	-4.2	-8.3	37.8	44.4	12.0
1977	10.3	9.2	10.4	5.7	14.5	3.5	4.1	21.1	-7.3	11.9
1978	11.6	27.2	16.3	12.0	20.1	9.0	8.7	28.7	52.1	10.7
1979	15.8	9.5	26.1	21.2	30.9	23.9	27.3	41.1	123.6	11.5
1980	7.5	9.5	24.6	31.7	26.2	43.5	37.9	42.5	58.7	24.3
1981	18.1	12.6	34.0	24.8	24.9	-13.0	-15.2	57.7	45.0	68.9
1982	12.6	15.7	8.8	17.0	16.7	-21.1	-20.9	20.4	14.2	27.9

ECONOMIC INDICATORS (continued)

Year	Finance Companies			POSB	CPF	Stock Exchange		Insurance Companies			
	Deposits from Indivi- duals and Institu- tions	Loans For		Amount Due To		Turnover of Stocks and Shares		Life Insurance		General Insurance	
		Hire Pur- chase of Motor Vehicles	Housing	Account Holders	Members	Value	Volume	Policies in Force		Net Premiums ⁵	Net Claims ⁶
								Number	Amount Insured		
						Million Units	\$ Million				
1972	683.2	118.1	179.1	125.2	1,316.0	2,162.9	938.0	93,332	1,046.8	106.7	35.6
1973	853.8	179.4	266.6	170.9	1,770.6	2,436.3	613.1	111,509	1,412.1	127.9	42.2
1974	1,031.1	170.0	307.5	268.5	2,413.7	1,133.5	529.7	124,177	1,820.1	153.0	53.8
1975	1,048.4	121.3	354.6	548.4	3,234.9	1,829.9	800.4	140,041	2,237.0	171.2	60.7
1976	1,191.2	111.2	440.0	996.0	4,066.1	1,928.4	707.8	155,425	2,717.2	196.2	67.2
1977	1,305.5	169.3	431.4	1,589.0	4,954.0	1,157.6	640.2	183,099	3,323.4	209.8	87.5
1978	1,510.0	235.0	446.4	2,029.0	5,981.4	3,382.9	1,489.1	214,316	4,081.9	236.9	94.2
1979	1,812.3	364.0	551.6	2,525.2	7,515.5	2,308.9	962.6	246,657	5,162.2	274.5	113.9
1980	2,121.2	537.4	637.2	2,756.7	9,551.2	7,806.1	2,183.6	248,077	6,334.8	340.7	141.6
1981	2,942.2	628.6	763.6	3,265.9	12,149.8	13,419.1	2,734.1	271,214	7,778.4	397.7	146.7
1982	3,711.5	590.1	879.7	5,058.4	15,655.5	5,105.2	1,549.9	..	..	..	..

⁵ Refer to gross premiums less premiums paid for re-insurance in and out of Singapore.

⁶ Refer to gross claims paid less recoveries from re-insurance placed in and out of Singapore.

GROWTH RATES IN ECONOMIC INDICATORS (continued)

Per Cent

Year	Finance Companies			POSB	CPF	Stock Exchange		Insurance Companies			
	Deposits from Individuals and Institutions	Loans For		Amount Due To		Turnover of Stocks and Shares		Life Insurance		General Insurance	
		Hire Purchase of Motor Vehicles	Housing	Account Holders	Members	Value	Volume	Policies in Force		Net Premiums	Net Claims
								Number	Amount Insured		
1972	23.5	34.8	43.5	37.3	33.2	131.6	62.1	18.1	28.8	25.8	28.1
1973	25.0	51.9	48.9	36.5	34.5	12.6	-34.6	19.5	34.9	19.9	18.5
1974	20.8	-5.2	15.3	57.1	36.3	-53.5	-13.6	11.4	28.9	19.6	27.5
1975	1.7	-28.6	15.3	104.2	34.0	61.4	51.1	12.8	22.9	11.9	12.8
1976	13.6	-8.3	24.1	81.6	25.7	5.4	-11.6	11.0	21.5	14.6	10.7
1977	9.6	52.2	-2.0	59.5	21.8	-40.0	-19.4	17.8	22.3	6.9	30.2
1978	15.7	38.8	3.5	27.7	20.7	192.2	132.6	17.0	22.8	12.9	7.7
1979	20.0	54.9	23.6	24.5	25.6	-31.7	-35.4	15.1	26.5	15.9	20.9
1980	17.0	47.6	15.5	9.2	27.1	238.1	126.8	0.6	22.7	24.1	24.3
1981	38.7	17.0	19.8	18.5	27.2	71.9	25.2	9.3	22.8	16.7	3.6
1982	26.1	-6.1	15.2	54.9	28.9	-62.0	-43.3	..	..	..	..

ECONOMIC INDICATORS (continued)

Year	Government Finance						Measures of Inflation			Tourism	
	Revenue ⁷	Main Expen- diture ⁷	Public Debt			Debt Servicing Ratio	Consumer Price Index (Jun 77-May 78=100)	General Wholesale Price Index (1974=100)	Gross Domestic Product Deflator (1968=100)	Tourist ⁸ Arrivals	Hotel Occupancy Rate
			Total	Domestic	External						
			\$ Million							Per Cent	'000
1972	1,749.3	1,579.2	3,483.2	3,052.4	430.8	1.0	64.0	..	114.6	783.0	60.6
1973	2,219.2	2,107.4	3,757.6	3,285.3	472.3	0.6	76.5	..	128.5	984.7	67.1
1974	2,556.9	2,492.6	4,522.4	4,028.5	493.9	0.6	93.6	100.0	148.5	1,087.4	69.6
1975	3,092.2	2,984.4	5,698.1	5,155.4	542.7	0.7	96.0	98.5	152.1	1,169.3	74.7
1976	3,156.2	3,148.3	7,318.2	6,656.3	661.9	0.8	94.2	105.1	154.3	1,320.6	78.4
1977	3,555.5	3,552.4	9,132.9	8,142.7	990.2	0.8	97.2	109.9	156.7	1,506.7	83.3
1978	3,738.8	3,729.9	10,695.4	9,674.4	1,021.0	2.3	101.9	111.6	160.3	2,047.2	86.5
1979	4,603.0	4,536.2	12,401.6	11,419.8	981.8	1.3	106.0	127.7	168.8	2,247.1	85.4
1980	5,903.5	5,708.5	14,674.5	13,732.5	942.0	1.1	115.0	152.7	181.0	2,562.1	86.1
1981	7,862.2	7,680.4	17,138.2	16,241.8	896.4	0.8	124.4	158.6	193.0	2,828.9	85.7
1982	7,638.8*	7,638.8*	20,730.4	19,855.7	874.7	0.7*	129.3	151.9	200.6*	2,956.7	80.8

⁷ Revenue and main expenditure refer to the receipts and expenditure of the Consolidated Revenue Account. Figures refer to financial year 1 April to 31 March.

⁸ Figures excluded Malaysian arrivals by land. For 1971-1977, they further excluded other arrivals by land as well as Malaysian arrivals coming direct to Singapore by air and sea.

GROWTH RATES IN ECONOMIC INDICATORS (continued)

Per Cent

Year	Government Finance					Measures of Inflation			Tourism	
	Revenue	Main Expenditure	Public Debt			Consumer Price Index	General Wholesale Price Index	Gross Domestic Product Deflator	Tourist ⁹ Arrivals	Hotel Occupancy Rate
			Total	Domestic	External					
1972	19.1	9.8	27.4	22.7	74.5	2.1	..	5.4	23.9	-7.3
1973	26.9	33.4	7.9	7.6	9.6	19.6	..	12.1	25.8	10.7
1974	15.2	18.3	20.4	22.6	4.6	22.3	..	15.6	10.4	3.7
1975	20.9	19.7	26.0	28.0	9.9	2.6	-1.5	2.4	7.5	7.3
1976	2.1	5.5	28.4	29.1	22.0	-1.9	6.7	1.4	12.9	5.0
1977	12.7	12.8	24.8	22.3	49.6	3.2	4.6	1.6	14.1	6.3
1978	5.2	5.0	17.1	18.8	3.1	4.8	1.5	2.3	21.6	3.8
1979	23.1	21.6	16.0	18.0	-3.8	4.0	14.4	5.3	9.8	-1.3
1980	28.3	25.8	18.3	20.3	-4.1	8.5	19.6	7.2	14.0	0.8
1981	33.2	34.5	16.8	18.3	-4.8	8.2	3.9	6.6	10.4	-0.5
1982	-2.8*	-0.5*	21.0	22.3	-2.4	3.9	-4.2	3.9	4.5	-5.7

⁹ To maintain comparability, the growth rate for 1978 was computed by excluding Malaysian visitors embarking direct from Peninsular Malaysia.

SOCIAL INDICATORS

Year	Population					Vital Statistics				
	Mid-year Estimates	Rate of Growth	Population Density	Dependency Ratio ¹	Index of Ageing ²	Crude Birth Rate	Crude Death Rate	Infant Mortality Rate	Total Fertility Rate	Gross Reproduction Rate
	Thousand	Per Cent	Persons Per Square Kilometres	Per Cent		Per 1,000 Population		Per 1,000 Live-births	Per 1,000 Female Population	
1972	2,152.4	1.9	3,671	67.4	10.0	23.1	5.4	19.2	3,048	1,473
1973	2,193.0	1.8	3,740	64.6	10.7	22.0	5.4	20.3	2,800	1,352
1974	2,229.8	1.6	3,795	62.0	11.6	19.4	5.2	16.8	2,359	1,132
1975	2,262.6	1.4	3,791	58.8	12.3	17.7	5.1	13.9	2,079	1,005
1976	2,293.3	1.4	3,809	56.0	13.3	18.7	5.1	11.6	2,111	1,018
1977	2,325.3	1.3	3,773	53.5	14.3	16.5	5.1	12.4	1,820	877
1978	2,353.6	1.2	3,819	57.0	15.4	16.8	5.1	12.6	1,795	869
1979	2,383.5	1.3	3,858	48.6	16.4	17.1	5.2	13.2	1,791	853
1980	2,413.9	1.2	3,907	46.6	17.4	17.1	5.2	11.7	1,737	840
1981	2,443.3	1.2	3,954	45.0	18.3	17.3	5.3	10.7	1,723	830
1982	2,471.8	1.2	3,999	43.9	19.1	17.3	5.2	10.7	1,706	816

1 Persons under 15 years and 65 years and over divided by persons aged 15-64 years.

2 Persons aged 65 years and over divided by persons under 15 years.

SOCIAL INDICATORS (continued)

Year	Education							
	Pupils Per Teacher		University and College Graduates	Student Enrolment Ratio ³	Literacy Rate ⁴	Passes at		Per Capita Government Expenditure on Education ⁵
	Primary	Secondary				GCE 'O' Level	GCE 'A' Level	
	Number			Per Cent			\$	
1972	33	25	4,261	76.7	74.4	55.3	63.0	98
1973	29	23	4,119	77.5	75.6	55.8	60.6	121
1974	29	23	4,547	77.3	76.7	56.4	58.3	150
1975	29	23	5,189	78.9	77.9	60.2	65.6	173
1976	28	23	4,629	78.6	79.1	59.9	64.3	177
1977	28	23	5,732	78.3	80.3	61.7	61.5	179
1978	27	23	6,029	74.6	81.5	62.3	60.3	195
1979	27	21	6,576	79.3	82.8	65.1	63.4	233
1980	26	21	5,718	78.9	84.0	68.6	67.9	284
1981	26	20	6,525	81.7	84.4	70.1	61.2	386
1982	27	18	6,705	83.9	84.8	75.4	64.1	511

³ Students aged 6-17 years divided by population of same age group.

⁴ Refers to population 10 years and over.

⁵ For financial year beginning 1 April.

SOCIAL INDICATORS (continued)

Year	Employment					Health			
	Labour Force (15-64 Years)	Unemployment Rate (15-64 Years)	Labour Force Participation Rate (15-64 Years)	CPF Contri- butors in Labour Force	Union Members Among Employed	Per Capita Government Expenditure on Health	Persons Per		
	Thousand		Per Cent			\$	Doctor	Dentist	Hospital Bed
1972	761	4.7	59.2	70.4	23.0	47	1,457	5,276	240
1973	818	4.5	61.5	74.5	24.5	47	1,401	5,362	243
1974	836	4.0	60.2	74.5	25.4	56	1,406	5,284	250
1975	852	4.5	59.7	76.0	25.7	63	1,395	5,400	249
1976	885	4.5	60.1	76.6	26.3	64	1,345	5,296	236
1977	919	3.9	61.2	77.7	25.9	68	1,259	5,011	240
1978	975	3.6	62.6	79.9	25.2	76	1,265	4,945	246
1979	1,035	3.4	64.1	80.5	25.0	84	1,287	4,835	245
1980	1,093	3.5	66.4	79.0	23.1	96	1,222	4,977	252
1981	1,128	2.9	66.1	81.4	20.5	112	1,168	4,877	247
1982	1,151	2.6	66.5	80.6	19.1	138	1,111	4,664	252

SOCIAL INDICATORS (continued)

Year	Culture and Recreation				Communication			
	Daily Newspapers Circulation	Per Cent of National Library Members to Total Population		Annual Cinema Attendances	Radio and Television Licences	Telephones	Persons Per	
	Per 1,000 Population	Under 15 Years	15 Years and Over	Per Person	Per 1,000 Population		Public Bus	Private Car
1972	182	17.7	5.8	17	95	102	496	13
1973	202	18.5	6.6	15	105	114	459	12
1974	190	21.4	7.7	18	113	126	467	16
1975	198	22.3	8.5	18	124	141	458	16
1976	208	23.8	9.4	17	135	163	440	17
1977	216	25.2	10.1	19	142	196	427	17
1978	227	25.9	9.4	19	150	229	401	17
1979	247	27.5	9.2	19	156	262	383	17
1980	255	28.7	10.5	17	165	291	371	16
1981	264	30.3	13.9	15	170	317	352	15
1982	264	32.5	18.2	14	172	345	326	14

SOCIAL INDICATORS (continued)

Year	Public Housing				Utilities		Fire		Offences Against Persons and Property
	Public Flats		Per Cent of Population Living in Public Housing		Electricity Consumption Per Person	Water Consumption Per Person	Number	Value of Property Damaged	Per 10,000 Population
	Total Number Managed	Per Cent Owner- occupied	Public Flats	Owner- occupied Public Flats	Kilowatt Hour	Cubic Metres		\$ Million	
1972	146,375	31.7	43.3	13.9	1,290.1	81.5	2,466	20.6	67
1973	171,436	37.0	45.6	16.0	1,506.7	79.8	1,987	7.9	70
1974	199,583	39.5	48.5	18.9	1,536.6	79.2	2,110	29.7	74
1975	229,338	41.8	53.8	22.6	1,623.5	85.2	2,384	15.1	67
1976	257,644	46.5	59.2	27.7	1,760.8	87.0	4,165	19.3	63
1977	297,539	53.0	63.6	33.9	1,938.0	91.1	3,804	18.9	71
1978	331,207	55.2	69.0	38.2	2,215.2	95.9	4,174	27.2	71
1979	354,385	58.3	71.0	41.5	2,409.8	100.5	4,983	70.4	80
1980	368,626	62.2	72.0	45.1	2,567.6	106.9	4,705	24.1	91
1981	383,450	63.2	73.0	47.9	2,726.0	113.9	5,851	85.6	107
1982	399,935	66.1	75.0	49.4	2,832.0	117.3	6,093	26.5	114

1. CLIMATE AND LAND USE

The Republic of Singapore is situated in the centre of the Malay Archipelago. This location at the focal point of the trade routes of the region has contributed greatly to the development of Singapore as an entrepot trade and commercial centre of South East Asia. It has also since developed into a modern, industrialised economy and an international centre in finance, transport and communication.

The land area of Singapore is approximately 618 square kilometres, comprising the main island which measures about 42 kilometres from east to west and 23 kilometres from north to south with a coastline of 131.5 kilometres and a number of islets scattered off the north-east and south of the main island.

Singapore can be geographically

divided into three major areas - the central hilly area with heavy deposits of granite in Bukit Timah, Bukit Panjang, Bukit Mandai and Bukit Batok; the western undulating area comprising Mount Faber Ridge and Pasir Panjang Ridge with Kranji River flowing into the Straits of Johore and Jurong River into the Straits of Singapore; and the eastern coastal area consisting of alluvium and sediment stretches from Katong to Bedok and Changi.

Climate

The main features of the climate of Singapore are relatively uniform temperature, high humidity and abundant rainfall due to the maritime exposure of the island and its close proximity to the Equator. The average maximum temperature is around 31°C and minimum 24°C. The

relative humidity is usually between 60 to 70 per cent on dry afternoons but frequently exceeds 90 per cent in the early hours of the morning before sunrise. Although rain falls throughout the year, the wettest months are usually during the first part of the Northeast Monsoon season from November to January. During the Southwest Monsoon season, from May to September, line squalls affect the island.

Land Use

Of the total land area, about 47 per cent has been developed for residential, commercial and industrial usage and another 11 per cent used for agriculture. The balance which account for 42 per cent of the total land area consists of forest reserves, marsh and other non-built up areas.

Air Pollution

The Anti-Pollution Unit monitors the quality of ambient air through 14 stations located in urban, industrial and rural areas. Total acidity, smoke, dust fallout and oxides of nitrogen are some of the pollutants commonly monitored. Results show that air pollution levels in Singapore are within acceptable air quality standards. Air pollution levels tend to be higher in the urban and industrial areas than in the rural areas. Meteorological conditions also affect air pollution levels significantly. Generally, air pollution levels are lower during the rainy periods of the year (North East Monsoon) when pollutants in the air are washed out by the rain. They increase during the inter-monsoon periods during April-May and October-November as the low winds and calm air then do not favour the dispersion of air pollutants.

1.1 TEMPERATURE, RAINFALL AND SUNSHINE

Year	Mean Temperature (°C)		Mean Relative Humidity at 1.30 pm ¹ (%)	Rainfall			Bright Sunshine Daily Mean Hours
	Maximum	Minimum		Total (mm)	Maximum in a Day (mm)	Number of Rainy Days	
1972	30.8	23.5	71	1,807	76	158	5.9
1973	30.5	23.5	75	2,956	128	222	4.8
1974	30.3	23.1	73	2,066	69	175	5.4
1975	30.4	23.3	74	1,925	71	195	5.3
1976	30.7	23.3	70	2,167	84	161	6.0
1977	30.9	23.7	71	1,775	94	141	5.7
1978	31.0	23.7	72	2,766	512	171	5.5
1979	31.0	23.9	72	2,168	91	168	5.7
1980	31.0	23.9	74	1,493	134	176	5.7
1981	31.2	23.9	70	1,463	80	149	5.8
1982	31.4	24.6	69	1,582	109	130	5.7

1 Due to the introduction of 30 minutes of daylight saving since January 1982, the time of observation has been advanced to 2.00 pm.

Source: Meteorological Service

1.2 LAND USE

Square Kilometres

Year	Total	Built-up Area ¹	Farm Holding Area ²	Forest	Marsh and Tidal Waste	Others ³
1972	586.4	193.2	130.1	32.4	32.4	198.3
1973	586.4	198.9	119.5	32.4	32.4	203.2
1974	587.6	216.8	115.4	32.4	32.4	190.6
1975	596.8	228.4	105.9	32.4	32.4	197.7
1976	602.0	243.4	103.7	32.4	32.4	190.1
1977	616.3	264.3	102.8	32.4	26.7	190.1
1978	616.3	266.5	100.6	32.4	26.7	190.1
1979	617.8	267.9	89.7	30.0	26.4	203.8
1980	617.8	275.1	80.9	30.0	26.0	205.8
1981	617.9	288.6	74.9	28.6	22.4	203.4
1982	618.1	289.9	67.7	28.6	21.4	210.5

1 Include new industrial sites.

2 Refer to licensed farms excluding land occupied by pure rubber and coconut plantations.

3 Include inland water, open spaces, public gardens, cemeteries, non-built up areas in military establishments, quarries, rubber and coconut plantations.

Source: Survey Department

1.3 AIR POLLUTION LEVELS

Year	Total Acidity Levels			Smoke Levels			Nitrogen Oxides Levels			Dust Fallout Levels		
	Urban	Industrial	Rural	Urban	Industrial	Rural	Urban	Industrial	Rural	Urban	Industrial	Rural
	Microgram per cubic metre at normal temperature and pressure									Grams per square metre per month		
1974	65	60	37	48	22	22	68	-	39	0.78	1.21	0.90
1975	74	60	32	45	23	20	68	-	40	0.42	0.85	0.33
1976	70	64	36	34	20	18	69	48	57	0.37	0.89	0.17
1977	38	47	32	32	20	17	77	65	57	0.38	0.67	0.22
1978	45	47	26	32	22	16	78	61	51	0.43	0.59	0.31
1979	44	42	24	33	23	17	81	43	44	0.41	0.89	0.48
1980	37	38	19	30	18	19	41	31	31	0.50	0.97	0.49
1981	33	32	22	28	19	19	56	41	38	0.86	1.11	0.68
1982	31	34	25	24	20	20	61	50	48	0.69	1.36	0.70

Source: Anti-Pollution Unit

2. DEMOGRAPHY

Population Census

Singapore conducted its first population census in 1871 and subsequent censuses at ten-year intervals till the outbreak of World War II. In the pre-war censuses, Singapore was included as part of the Straits Settlements and later of Malaya. Separate censuses for Singapore were carried out in 1947, 1957, 1970 and 1980.

The latest population census was carried out in June 1980. During this census, a total of 2,413.9 thousand persons were enumerated compared with 2,074.5 thousand persons in 1970 and 1,445.9 thousand persons in 1957. The population grew at an average annual rate of 2.8 per cent during 1957-1970 and 1.5 per cent during 1970-1980. Population density per square kilometre rose from 3,538 persons in 1970 to 3,907 persons in 1980.

The census data generally referred to all persons enumerated in Singapore at the time of the census including persons in fishing kelongs, on board ships and boats. They excluded non-locally domiciled services personnel and their families, ships' crew and passengers in transit in Singapore waters and foreign visitors in hotels.

Mid-year Estimates

The mid-year population estimates for the intercensal years 1971-1979, which were based on the 1970 census data, and estimates of natural increase were revised to include migration deduced from the 1980 census data. Mid-year population estimates for 1981 and 1982 exclude migration.

Births and Deaths

Under the Registration of

Births and Deaths Act, a birth must be registered within 42 days and a death within 3 days of occurrence. Registration facilities for births are available at the Registry of Births and Deaths, gazetted maternal and child health clinics and all government maternity hospitals. Deaths are registered at the Registry of Births and Deaths, government and military hospitals and certain police stations. The registration system is comprehensive and the records of vital statistics are virtually complete.

There has been a marked decline in the crude birth rate, from 23.1 per thousand population in 1972 to 17.3 per thousand in 1982. The crude death rate, on the other hand, has remained stable; between 5.1 and 5.4 per thousand during the same period.

Fertility Rates

The age-specific fertility rate refers to the number of births attributable to mothers of a speci-

fic age group per one thousand females in that age group. The rates for all the age groups declined during the period 1972-1982. The steepest declines occurred in age groups 25-29 and 20-24 years where the age specific fertility rate fell from 218.0 and 137.4 in 1972 to 133.9 and 77.1 respectively in 1982. The two extreme age groups, namely the 15-19 years and 45-49 years showed the least declines as their fertility rates had been low to begin with.

The total fertility rate is derived by aggregating the age-specific fertility rates of females in each of the reproductive ages. This provides an indication of the average number of children a woman would bear during the whole of her reproductive life span on the basis of the existing fertility pattern. The gross reproduction rate is similarly computed on the basis of female births only. The total fertility rate fell from 3,048 per thousand in 1972 to 1,706 per thousand in 1982.

Life Expectancy

The expectancy of life in 1970 and 1980 are calculated based on the mortality pattern prevailed in 1969-1971 and 1979-1981 respectively. The life expectancy at each selected age indicates the average number of years of life a person expects to live at that age.

Marriages

Registration of all marriages is compulsory in Singapore. Marriages other than Muslim marriages are registered under the Women's Charter, 1961. Notices of such marriages have to be lodged with the Registrar of Marriages irrespective of the venue of solemnization.

The average age of grooms and brides married under the Women's Charter increased from 27.9 years and 24.3 years to 28.2 years and 25.0 years respectively during the period 1972-1982.

Registration of Muslim marriages in Singapore became compulsory from 1 July 1909 when the Mohammadan Marriage Ordinance, 1908 (Ordinance No. XXV of 1908) was enacted. This Ordinance was subsequently repealed and replaced by the Administration of Muslim Law Act, 1966.

The average age of grooms married under the Muslim Law Act increased slightly from 26.9 years in 1972 to 27.4 years in 1982 while that of brides increased from 22.2 to 24.0 years during the same period.

2.1 POPULATION

Year	Population											Rate of Population Increase	Sex Ratio (Males Per 1,000 Females)
	Total			Malays		Chinese		Indians ¹		Others			
	Persons	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females		
	Thousand											Per Cent	
Census													
1901	227.6	170.0	57.6	20.2	15.8	130.4	33.7	14.3	3.4	5.1	4.7	2.3	2,951
1911	303.3	215.5	87.8	22.6	19.2	161.6	57.9	23.1	4.7	8.2	6.0	2.9	2,454
1921	418.3	280.9	137.4	29.6	24.0	214.2	100.9	26.9	5.4	10.2	7.1	3.3	2,043
1931	557.7	352.1	205.6	34.9	30.1	261.0	157.6	42.8	8.0	13.4	9.9	2.9	1,713
1947	938.2	515.0	423.2	62.3	51.5	387.4	342.1	51.7	17.3	13.6	12.3	3.3	1,217
1957	1,445.9	762.8	683.1	103.2	93.8	555.7	534.9	89.1	40.5	14.8	13.9	4.4	1,117
1970	2,074.5	1,062.1	1,012.4	158.4	153.0	796.5	783.4	87.5	57.6	19.7	18.4	2.8	1,049
1980	2,413.9	1,231.7	1,182.2	181.9	169.6	935.0	921.2	88.0	66.6	26.8	24.8	1.5	1,042
Mid-year Estimates													
1972	2,152.4	1,101.1	1,051.3	164.2	157.0	828.4	815.0	87.6	59.7	20.9	19.6	1.9	1,047
1973	2,193.0	1,121.4	1,071.6	167.1	159.0	845.1	831.7	87.6	60.8	21.6	20.1	1.8	1,046
1974	2,229.8	1,139.7	1,090.1	169.5	160.7	860.2	846.9	87.7	61.7	22.3	20.8	1.6	1,046
1975	2,262.6	1,156.1	1,106.5	171.8	162.3	873.5	860.2	87.7	62.5	23.1	21.5	1.4	1,045
1976	2,293.3	1,171.3	1,122.0	173.7	163.7	886.0	872.8	87.8	63.3	23.8	22.2	1.4	1,044
1977	2,325.3	1,187.3	1,138.0	175.6	165.1	899.3	886.0	87.9	64.0	24.5	22.9	1.3	1,043
1978	2,353.6	1,201.4	1,152.2	177.6	166.5	910.7	897.5	87.9	64.8	25.2	23.4	1.2	1,043
1979	2,383.5	1,216.3	1,167.2	179.6	168.0	922.9	909.5	87.9	65.6	25.9	24.1	1.3	1,042
1980 (Census)	2,413.9	1,231.7	1,182.2	181.9	169.6	935.0	921.2	88.0	66.6	26.8	24.8	1.2	1,042
1981	2,443.3	1,246.3	1,197.0	184.7	172.3	945.5	931.4	88.7	67.8	27.4	25.5	1.2	1,041
1982	2,471.8	1,260.4	1,211.4	187.4	175.0	955.5	941.2	89.4	68.9	28.1	26.3	1.2	1,040

¹ From 1970, Indians include Sri Lankans (Ceylonese) who were previously classified under 'Others'.

2.2 POPULATION ESTIMATES BY AGE GROUP, ETHNIC GROUP AND SEX, 1972

Age Group (Years)	Total			Malays			Chinese			Indians			Others		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
	Thousand														
Total	2,152.4	1,101.1	1,051.3	321.2	164.2	157.0	1,643.4	828.4	815.0	147.3	87.6	59.7	40.5	20.9	19.6
0 - 4	226.0	116.7	109.3	38.4	19.5	18.9	168.3	87.3	81.0	14.6	7.5	7.1	4.7	2.4	2.3
5 - 9	269.5	138.0	131.5	51.7	26.2	25.5	195.0	100.3	94.7	18.5	9.3	9.2	4.3	2.2	2.1
10 - 14	292.6	151.1	141.5	50.5	25.9	24.6	218.4	112.8	105.6	19.8	10.5	9.3	3.9	1.9	2.0
15 - 19	268.3	137.5	130.8	40.5	20.6	19.9	208.1	106.8	101.3	16.3	8.5	7.8	3.4	1.6	1.8
20 - 24	225.8	115.2	110.6	30.0	14.9	15.1	179.3	91.8	87.5	12.9	6.7	6.2	3.6	1.8	1.8
25 - 29	148.2	74.8	73.4	19.3	9.5	9.8	117.1	59.1	58.0	8.3	4.4	3.9	3.5	1.8	1.7
30 - 34	142.6	71.3	71.3	17.9	8.4	9.5	112.2	56.2	56.0	9.1	5.0	4.1	3.4	1.7	1.7
35 - 39	118.0	60.3	57.7	17.5	8.3	9.2	88.7	45.1	43.6	8.6	5.1	3.5	3.2	1.8	1.4
40 - 44	106.3	55.9	50.4	15.5	8.1	7.4	77.5	38.6	38.9	10.6	7.7	2.9	2.7	1.5	1.2
45 - 49	85.1	45.7	39.4	13.1	7.6	5.5	59.7	28.9	30.8	9.9	7.8	2.1	2.4	1.4	1.0
50 - 54	73.5	38.9	34.6	10.0	5.9	4.1	53.7	25.5	28.2	7.9	6.4	1.5	1.9	1.1	0.8
55 - 59	63.4	32.6	30.8	6.1	3.4	2.7	51.1	24.5	26.6	5.0	4.1	0.9	1.2	0.6	0.6
60 - 64	54.2	27.8	26.4	5.0	2.8	2.2	45.3	22.1	23.2	3.0	2.4	0.6	0.9	0.5	0.4
65 - 69	36.5	17.9	18.6	2.7	1.5	1.2	31.7	14.9	16.8	1.5	1.2	0.3	0.6	0.3	0.3
70 & Over	42.4	17.4	25.0	3.0	1.6	1.4	37.3	14.5	22.8	1.3	1.0	0.3	0.8	0.3	0.5
	Per Cent														
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0 - 19	49.1	49.4	48.8	56.4	56.2	56.6	48.1	49.2	46.9	47.0	40.9	55.9	40.3	38.7	41.8
20 - 39	29.5	29.2	29.8	26.4	25.0	27.8	30.3	30.4	30.1	26.4	24.2	29.7	33.8	34.0	33.7
40 - 59	15.2	15.7	14.8	13.9	15.2	12.5	14.7	14.2	15.3	22.7	29.7	12.4	20.2	22.0	18.4
60 & Over	6.2	5.7	6.6	3.3	3.6	3.1	6.9	6.2	7.7	3.9	5.2	2.0	5.7	5.3	6.1

2.3 POPULATION ESTIMATES BY AGE GROUP, ETHNIC GROUP AND SEX, 1982

Age Group (Years)	Total			Malays			Chinese			Indians			Others		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
Thousand															
Total	2,471.8	1,260.4	1,211.4	362.4	187.4	175.0	1,896.7	955.5	941.2	158.3	89.4	68.9	54.4	28.1	26.3
0 - 4	195.4	101.8	93.6	32.2	16.7	15.5	145.2	75.8	69.4	12.1	6.2	5.9	5.9	3.1	2.8
5 - 9	212.7	110.1	102.6	32.4	16.8	15.6	164.3	85.1	79.2	11.1	5.7	5.4	4.9	2.5	2.4
10 - 14	225.0	116.0	109.0	36.3	18.5	17.8	170.1	87.9	82.2	13.9	7.2	6.7	4.7	2.4	2.3
15 - 19	270.2	138.6	131.6	49.1	25.1	24.0	199.1	102.4	96.7	18.3	9.3	9.0	3.7	1.8	1.9
20 - 24	299.6	155.1	144.5	50.5	26.9	23.6	224.9	115.4	109.5	20.1	11.0	9.1	4.1	1.8	2.3
25 - 29	273.9	140.2	133.7	40.0	20.9	19.1	212.0	108.0	104.0	17.2	9.3	7.9	4.7	2.0	2.7
30 - 34	231.0	117.3	113.7	28.9	14.6	14.3	182.2	92.4	89.8	13.6	7.2	6.4	6.3	3.1	3.2
35 - 39	152.5	77.6	74.9	18.3	9.1	9.2	119.9	60.7	59.2	8.6	4.6	4.0	5.7	3.2	2.5
40 - 44	141.4	71.1	70.3	16.3	7.7	8.6	112.0	56.1	55.9	8.8	4.8	4.0	4.3	2.5	1.8
45 - 49	111.9	56.8	55.1	15.7	7.6	8.1	85.2	42.9	42.3	7.9	4.5	3.4	3.1	1.8	1.3
50 - 54	98.6	50.6	48.0	13.4	6.8	6.6	74.0	36.2	37.8	8.8	6.2	2.6	2.4	1.4	1.0
55 - 59	76.3	39.6	36.7	11.4	6.6	4.8	55.7	26.4	29.3	7.4	5.5	1.9	1.8	1.1	0.7
60 - 64	62.3	31.4	30.9	8.2	4.8	3.4	47.7	21.9	25.8	5.2	4.0	1.2	1.2	0.7	0.5
65 - 69	49.4	23.5	25.9	4.4	2.4	2.0	41.5	18.7	22.8	2.8	2.1	0.7	0.7	0.3	0.4
70 & Over	71.6	30.7	40.9	5.3	2.9	2.4	62.9	25.6	37.3	2.5	1.8	0.7	0.9	0.4	0.5
Per Cent															
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0 - 19	36.6	37.0	36.1	41.4	41.1	41.7	35.8	36.8	34.8	35.0	31.8	39.2	35.3	34.9	35.7
20 - 39	38.7	38.9	38.5	38.0	38.2	37.8	39.0	39.4	38.5	37.6	35.9	39.7	38.2	35.9	40.7
40 - 59	17.3	17.3	17.3	15.7	15.3	16.0	17.2	16.9	17.6	20.8	23.5	17.3	21.3	24.2	18.3
60 & Over	7.4	6.8	8.1	4.9	5.4	4.5	8.0	6.9	9.1	6.6	8.8	3.8	5.2	5.0	5.3

2.4 VITAL STATISTICS

Year	Live-births			Deaths		Natural Increase	Crude Birth Rate	Crude Death Rate	Rate of Natural Increase	Infant Mortality Rate
	Total ¹	Males	Females	Total	Infants					
	Number						Per 1,000 Population			Per 1,000 Live-births
1972	49,678	25,667	24,011	11,522	954	38,156	23.1	5.4	17.7	19.2
1973	48,269	24,955	23,308	11,920	981	36,349	22.0	5.4	16.6	20.3
1974	43,268	22,479	20,787	11,674	728	31,594	19.4	5.2	14.2	16.8
1975	39,948	20,627	19,320	11,447	555	28,501	17.7	5.1	12.6	13.9
1976	42,783	22,187	20,593	11,648	498	31,135	18.7	5.1	13.6	11.6
1977	38,364	19,917	18,445	11,955	474	26,409	16.5	5.1	11.4	12.4
1978	39,441	20,364	19,076	12,065	498	27,376	16.8	5.1	11.6	12.6
1979	40,779	21,293	19,485	12,468	540	28,311	17.1	5.2	11.9	13.2
1980	41,217	21,308	19,908	12,505	483	28,712	17.1	5.2	11.9	11.7
1981	42,250	21,910	20,336	12,863	451	29,387	17.3	5.3	12.0	10.7
1982	42,654	22,285	20,367	12,896	456	29,758	17.3	5.2	12.0	10.7

¹ Figures for males and females may not add up to the total on account of unknown sex.

2.5 AGE SPECIFIC FERTILITY RATES AND GROSS REPRODUCTION RATES
(Per Thousand Female Population)

Age Group (Years)	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
15 - 19	25.3	24.2	20.8	16.8	16.2	13.4	11.8	11.4	12.2	11.5	11.2
20 - 24	137.4	130.5	118.9	102.1	107.2	90.3	86.8	85.1	79.9	80.3	77.1
25 - 29	218.0	199.5	172.2	154.5	160.2	138.9	140.9	139.3	137.3	136.3	133.9
30 - 34	139.2	128.4	102.9	94.9	95.9	85.2	86.8	88.4	84.5	82.0	83.3
35 - 39	66.1	57.6	42.6	36.3	33.8	28.7	26.7	27.5	27.2	28.6	30.4
40 - 44	20.9	17.4	12.7	10.0	8.1	6.9	5.3	5.5	5.7	5.4	4.9
45 - 49	2.7	2.3	1.7	1.1	0.8	0.6	0.6	1.0	0.5	0.4	0.3
Total Fertility Rate	3,048	2,800	2,359	2,079	2,111	1,820	1,795	1,791	1,737	1,723	1,706
Gross Reproduction Rate	1,473	1,352	1,132	1,005	1,018	877	869	853	840	830	816

2.6 LIVE-BIRTHS BY BIRTH ORDER

Birth Order	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	Number										
Total ¹	49,678	48,269	43,268	39,948	42,783	38,364	39,441	40,779	41,217	42,250	42,654
1st	15,421	16,449	16,946	14,674	17,200	16,138	16,424	17,253	17,968	18,599	19,105
2nd	12,261	12,431	11,628	12,631	13,585	12,101	12,962	13,645	13,999	14,431	14,593
3rd	8,318	7,855	6,624	6,596	7,083	6,221	6,463	6,630	6,236	6,305	6,228
4th	4,821	4,508	3,497	2,854	2,648	2,231	2,181	2,002	1,885	1,876	1,777
5th	2,923	2,407	1,733	1,299	984	745	674	601	590	522	506
6th & Over	5,657	4,379	2,712	1,810	1,179	879	659	538	422	438	391
	Per Thousand										
Total ¹	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
1st	310	341	391	367	402	421	416	423	436	440	448
2nd	247	257	269	316	317	316	329	335	340	342	342
3rd	167	163	153	165	166	162	164	163	151	149	146
4th	97	93	81	72	62	58	55	49	46	44	42
5th	59	50	40	33	23	19	17	15	14	12	12
6th & Over	114	91	63	45	28	23	17	13	10	10	9

¹ Total includes birth order not stated.

2.7 AGE SPECIFIC DEATH RATES (Per Thousand Population)

Age Group (Years)	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	5.4	5.4	5.2	5.1	5.1	5.1	5.1	5.2	5.2	5.3	5.2
0 - 4	5.1	5.2	4.0	3.1	2.8	2.8	3.0	3.3	3.1	2.9	2.9
5 - 9	0.4	0.6	0.5	0.3	0.4	0.4	0.3	0.3	0.2	0.3	0.3
10 - 14	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.4
15 - 19	0.9	0.8	0.6	0.5	0.6	0.7	0.7	0.7	0.6	0.7	0.7
20 - 24	1.1	1.1	1.0	1.0	0.9	0.8	1.0	0.8	1.0	0.8	0.9
25 - 29	1.1	1.2	1.1	1.1	1.0	1.0	1.1	1.0	0.9	1.0	1.0
30 - 34	1.3	1.3	1.4	1.5	1.2	1.1	1.4	1.0	1.1	1.1	1.2
35 - 39	1.9	1.9	1.9	1.9	1.9	1.8	1.7	1.6	1.5	1.7	1.6
40 - 44	3.3	3.6	3.1	3.4	2.9	2.9	2.8	2.9	2.5	2.5	2.4
45 - 49	5.9	5.5	5.7	5.7	5.2	4.8	5.0	4.7	4.9	4.8	4.4
50 - 54	10.0	9.3	9.5	9.2	8.9	9.3	8.3	8.7	7.9	8.9	7.8
55 - 59	15.2	15.6	14.7	14.8	14.5	14.9	13.8	14.3	13.6	13.6	13.1
60 - 64	26.1	25.6	24.4	21.8	23.1	24.0	22.1	22.9	22.2	21.9	20.3
65 - 69	40.2	40.4	36.3	37.8	36.3	36.9	35.9	34.6	34.8	34.0	32.0
70 & Over	81.0	81.5	82.8	78.4	80.7	79.5	77.7	79.4	76.8	76.2	75.9

2.8 DEATHS BY BROAD GROUPS OF CAUSES

Number

Cause of Death	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
All Causes	11,522	11,920	11,674	11,447	11,648	11,955	12,065	12,468	12,505	12,863	12,896
Infective & Parasitic Diseases	752	775	714	630	554	523	502	503	425	432	388
of which: Tuberculosis	489	450	472	420	358	340	318	331	240	221	205
Neoplasms	1,821	1,912	2,002	2,123	2,278	2,326	2,415	2,542	2,623	2,672	2,722
of which: Cancer	1,773	1,863	1,955	2,083	2,245	2,286	2,386	2,488	2,561	2,616	2,662
Endocrine, Nutritional & Metabolic Diseases	271	342	377	375	408	429	403	403	359	404	397
of which: Diabetes	207	247	257	259	334	377	334	347	319	368	361
Diseases of the Blood & Blood-forming Organs	50	61	60	52	32	50	45	41	31	42	33
Diseases of the Nervous System & Sense Organs	171	169	149	133	129	110	114	122	131	114	120
Diseases of the Circulatory System	2,999	3,169	3,295	3,369	3,798	3,889	3,983	4,233	4,305	4,413	4,410
of which: Heart & Hypertensive Diseases	1,819	1,967	2,014	2,000	2,283	2,426	2,518	2,752	2,777	2,892	2,849
Cerebrovascular Disease	1,080	1,131	1,213	1,244	1,427	1,360	1,382	1,409	1,447	1,438	1,466
Diseases of the Respiratory System	1,653	1,663	1,631	1,632	1,651	1,902	1,724	2,024	1,965	2,196	2,240
of which: Pneumonia	951	950	969	948	1,010	1,215	942	1,124	1,129	1,284	1,364
Bronchitis	237	231	183	211	134	114	107	89	75	67	68
Diseases of the Digestive System	463	453	451	423	384	382	359	382	368	385	397
Diseases of the Genito-Urinary System	279	275	320	311	281	324	381	349	366	366	315
Congenital Anomalies	172	189	177	146	156	141	185	184	185	178	177
of which: Congenital Anomalies of Heart	93	94	101	76	70	70	98	105	111	109	96
Certain Causes of Perinatal Mortality	502	477	322	254	221	247	239	261	227	208	214
Accidents, Poisonings & Violence	982	995	894	887	890	914	1,057	876	899	938	573
of which: Motor Vehicle Accidents	370	371	282	255	264	297	299	236	250	281	190
Other Accidents	245	277	272	217	238	239	256	160	122	157	89
Suicides	235	240	229	252	257	224	266	249	271	191	160
Other Diseases & Causes	1,407	1,440	1,282	1,112	866	718	658	548	621	515	910
of which: Senility	1,101	1,108	1,064	860	679	571	505	359	403	237	219

Note: Deaths for 1972-78 are classified according to the Eighth (1965) Revision of the International Classification of Diseases while deaths from 1979 are classified according to the Ninth (1975) Revision.

2.9 EXPECTANCY OF LIFE AT SELECTED AGES, 1970 AND 1980

Years

Age (Years)	1970			1980		
	Persons	Males	Females	Persons	Males	Females
0	67.3	65.1	70.0	71.2	68.7	74.0
5	64.1	62.0	66.6	67.3	64.8	70.1
10	59.2	57.1	61.8	62.4	59.9	65.2
15	54.4	52.3	56.9	57.5	55.0	60.3
20	49.6	47.5	52.0	52.7	50.2	55.4
25	44.8	42.8	47.2	47.9	45.5	50.6
30	40.1	38.2	42.4	43.1	40.7	45.7
35	35.3	33.4	37.6	38.3	36.0	40.9
40	30.7	28.8	32.9	33.6	31.3	36.2
45	26.2	24.4	28.4	29.0	26.8	31.5
50	21.9	20.2	23.9	24.7	22.6	27.0
55	17.9	16.4	19.6	20.6	18.7	22.8
60	14.2	12.9	15.6	17.0	15.2	18.8
65	10.8	9.8	11.8	13.7	12.2	15.1
70	7.7	7.1	8.2	10.8	9.7	11.8

Note: The expectancy of life for 1970 and 1980 were calculated based on the average mortality during 1969-1971 and 1979-1981 respectively.

2.10 MARRIAGES REGISTERED BY ETHNIC GROUP

Number

Year	All Marriages Registered	Women's Charter					Muslim Law Act			
		Total	Chinese	Indians	Others	Inter-ethnic Group	Total	Malays	Others	Inter-ethnic Group
1972	18,218	15,556	14,260	697	165	434	2,662	2,132	181	349
1973	25,399	22,576	21,131	824	155	466	2,823	2,229	187	407
1974	26,670	23,775	22,005	1,110	151	509	2,895	2,311	185	399
1975	23,408	20,175	18,549	923	160	543	3,233	2,522	204	507
1976	21,497	18,551	16,703	1,117	124	607	2,946	2,266	218	462
1977	20,821	17,658	15,963	1,060	89	546	3,163	2,488	183	492
1978	21,306	18,197	16,392	1,099	106	600	3,109	2,412	205	492
1979	23,325	19,648	17,764	1,147	127	610	3,677	2,895	245	537
1980	23,721	19,689	17,758	1,171	118	642	4,032	3,192	242	598
1981	25,024	20,595	18,614	1,195	116	670	4,429	3,494	246	689
1982	23,214	18,392	16,503	1,079	119	691	4,822	3,791	257	774

2.11 MARRIAGES BY AGE GROUP OF GROOMS AND BRIDES, 1980, 1981 AND 1982

Number

Age Group (Years)	1980				1981				1982			
	Grooms		Brides		Grooms		Brides		Grooms		Brides	
	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act	Women's Charter	Muslim Law Act
All Ages	18,412	4,032	18,412	4,032	20,166	4,429	20,166	4,429	18,177	4,822	18,177	4,822
Under 15	-	-	-	2	-	-	-	-	-	-	-	1
15 - 19	141	110	1,693	814	132	110	1,767	834	105	124	1,498	896
20 - 24	5,417	1,593	9,655	2,091	5,763	1,738	10,400	2,333	4,865	1,849	9,116	2,524
25 - 29	8,501	1,552	5,233	739	9,259	1,696	5,887	820	8,512	1,891	5,525	898
30 - 34	2,935	416	1,266	223	3,400	498	1,457	255	3,141	529	1,393	287
35 - 39	737	142	319	63	813	141	346	74	876	173	384	94
40 - 44	342	82	143	48	420	93	171	53	368	84	149	60
45 - 49	161	50	60	23	173	49	78	33	157	64	60	41
50 & Over	178	87	43	29	206	104	60	27	153	108	52	21

Note: Data on marriages registered under the Women's Charter exclude marriages previously solemnized under religious and customary rites.

2.12 AVERAGE AGE AT MARRIAGE OF GROOMS AND BRIDES

Years

Year	All Marriages		Women's Charter		Muslim Law Act	
	Grooms	Brides	Grooms	Brides	Grooms	Brides
1972	27.7	24.0	27.9	24.3	26.9	22.2
1973	27.8	24.0	27.9	24.2	26.7	22.3
1974	28.1	24.1	28.3	24.3	26.8	22.6
1975	27.3	23.9	27.4	24.1	27.0	23.0
1976	27.4	24.0	27.5	24.1	27.3	23.3
1977	27.6	24.2	27.6	24.3	27.5	23.5
1978	27.8	24.4	27.8	24.5	27.4	23.5
1979	27.8	24.5	27.9	24.6	27.6	23.7
1980	27.8	24.6	27.9	24.7	27.3	23.8
1981	27.9	24.7	28.0	24.9	27.4	23.9
1982	28.0	24.8	28.2	25.0	27.4	24.0

2.13 AGE SPECIFIC MARRIAGE RATES, 1970, 1975-1982

Per thousand unmarried population

Age Group (In Years)	1970	1975	1976	1977	1978	1979	1980	1981	1982
Males									
Total (15-44)	51.6	62.1	56.1	53.2	53.2	51.7	55.0	58.7	54.4
15 - 19	1.6	2.2	1.9	1.8	1.4	1.7	1.7	1.7	1.7
20 - 24	52.4	66.9	56.8	52.2	49.2	46.7	49.9	52.2	46.1
25 - 29	173.0	184.5	168.8	150.7	148.1	137.5	140.1	134.5	119.2
30 - 34	171.7	173.8	176.2	156.7	172.3	150.1	138.0	140.9	126.4
35 - 39	113.1	137.1	109.8	126.6	136.8	118.8	106.3	116.4	119.0
40 - 44	59.5	88.8	84.1	96.1	90.7	82.8	62.8	92.2	87.5
Females									
Total (15-44)	67.3	78.3	69.3	67.1	64.5	62.3	68.9	73.0	67.1
15 - 19	19.1	25.0	21.3	19.7	17.3	17.5	18.4	19.5	18.5
20 - 24	123.8	135.5	118.9	110.1	103.2	100.0	110.5	112.9	101.0
25 - 29	192.3	163.9	142.0	143.8	139.3	120.3	136.5	136.7	117.3
30 - 34	99.1	99.0	91.2	93.6	97.9	88.5	74.3	75.9	74.7
35 - 39	46.0	70.6	57.5	57.5	58.8	41.2	43.6	50.4	48.5
40 - 44	18.1	28.9	27.4	20.9	28.5	30.6	22.0	27.9	24.9

2.14 POPULATION BY AGE GROUP AND MARITAL STATUS, 1970 AND 1980

Persons

Age Group (Years)	1970					1980				
	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
Total	2,074,507	1,301,675	679,924	85,941	6,967	2,413,945	1,379,633	918,330	99,318	16,664
0 - 4	235,456	235,456	-	-	-	193,684	193,684	-	-	-
5 - 9	280,533	280,533	-	-	-	223,883	223,883	-	-	-
10 - 14	288,847	288,449	392	6	-	235,556	235,323	233	-	-
15 - 19	246,417	240,013	6,343	23	38	287,420	283,620	3,725	24	51
20 - 24	203,735	156,303	46,925	208	299	296,192	246,245	49,259	130	558
25 - 29	132,745	46,911	84,785	431	618	253,531	113,268	138,025	530	1,708
30 - 34	136,381	21,269	112,957	1,134	1,021	211,040	40,445	166,713	1,199	2,683
35 - 39	112,895	9,084	100,427	2,278	1,106	135,767	13,026	118,738	1,769	2,234
40 - 44	100,877	5,444	89,910	4,397	1,126	131,475	9,329	116,044	3,558	2,544
45 - 49	81,746	3,762	70,845	6,310	829	107,245	5,720	93,272	6,152	2,101
50 - 54	71,223	3,479	57,725	9,354	665	93,136	3,907	77,515	9,950	1,764
55 - 59	65,365	3,583	48,097	13,140	545	71,384	2,824	55,703	11,703	1,154
60 - 64	48,923	3,081	31,110	14,395	337	59,708	2,604	41,856	14,418	830
65 - 69	33,499	2,170	17,846	13,272	211	49,310	2,431	29,882	16,476	521
70 & over	35,865	2,138	12,562	20,993	172	64,614	3,324	27,365	33,409	516

2.15 HOUSEHOLDS BY TYPE OF HOUSEHOLD AND ETHNIC GROUP OF HEAD, 1970 AND 1980

Type of Household	1970					1980				
	Total	Chinese	Malays	Indians	Others	Total	Chinese	Malays	Indians	Others
Total	Number									
	380,523	284,145	50,251	36,925	9,202	509,524	391,507	65,573	36,953	15,491
	50,007	31,602	3,499	13,665	1,241	42,386	28,362	4,279	7,001	2,744
	13,860	9,526	849	2,955	530	18,492	12,494	1,909	3,027	1,062
	272,164	206,697	40,186	18,294	6,987	397,125	310,809	51,120	23,943	11,253
	44,492	36,320	5,717	2,011	444	51,521	39,842	8,265	2,982	432
Total	Per Cent									
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	13.1	11.1	6.9	37.0	13.5	8.3	7.2	6.5	18.9	17.7
	3.7	3.4	1.7	8.0	5.8	3.6	3.2	2.9	8.2	6.9
	71.5	72.7	80.0	49.5	75.9	78.0	79.4	78.0	64.8	72.6
	11.7	12.8	11.4	5.5	4.8	10.1	10.2	12.6	8.1	2.8

2.16 HOUSEHOLDS BY SIZE OF HOUSEHOLD AND ETHNIC GROUP OF HEAD, 1970 AND 1980

Size of Household	1970					1980				
	Total	Chinese	Malays	Indians	Others	Total	Chinese	Malays	Indians	Others
Total	Number									
	380,523	284,145	50,251	36,925	9,202	509,524	391,507	65,573	36,953	15,491
1 Person	50,007	31,602	3,499	13,665	1,241	42,386	28,362	4,279	7,001	2,744
2 - 4 Persons	118,276	88,949	14,660	9,646	5,021	221,007	171,390	25,221	14,696	9,700
5 - 7 Persons	122,434	95,445	16,355	8,358	2,276	184,063	146,739	23,143	11,510	2,671
8 or More Persons	89,806	68,149	15,737	5,256	664	62,068	45,016	12,930	3,746	376
Average Size (Persons)	5.35	5.46	6.13	3.82	3.74	4.71	4.72	5.29	4.20	3.29
Total	Per Cent									
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1 Person	13.1	11.1	7.0	37.0	13.5	8.3	7.2	6.5	18.9	17.7
2 - 4 Persons	31.1	31.3	29.2	26.1	54.6	43.4	43.8	38.5	39.8	62.6
5 - 7 Persons	32.2	33.6	32.5	22.7	24.7	36.1	37.5	35.3	31.2	17.3
8 or More Persons	23.6	24.0	31.3	14.2	7.2	12.2	11.5	19.7	10.1	2.4

2.17 HOUSEHOLDS BY TYPE OF HOUSE AND TENANCY, 1970 AND 1980

Type of House	1970				1980			
	Total	Owners	Tenants	Others	Total	Owners	Tenants	Others
	Number							
Total	374,780	110,240	242,130	22,410	509,524	280,107	201,988	27,429
Bungalows & Terrace Houses	53,750	20,860	28,370	4,520	47,319	30,908	13,333	3,078
Public Flats	125,620	26,300	97,400	1,920	343,483	200,683	135,572	7,228
Private Flats	19,200	3,110	14,170	1,920	18,122	7,573	8,455	2,094
Shophouses	40,050	2,740	35,410	1,900	28,259	3,020	23,363	1,876
Attap/Zinc-roofed Houses	121,030	56,750	55,970	8,310	62,864	37,712	18,169	6,983
Others	15,130	480	10,810	3,840	9,477	211	3,096	6,170
	Per Cent							
Total	100.0	29.4	64.6	6.0	100.0	55.0	39.6	5.4
Bungalows & Terrace Houses	100.0	38.8	52.8	8.4	100.0	65.3	28.2	6.5
Public Flats	100.0	21.0	77.5	1.5	100.0	58.4	39.5	2.1
Private Flats	100.0	16.2	73.8	10.0	100.0	41.8	46.7	11.5
Shophouses	100.0	6.8	88.4	4.8	100.0	10.7	82.7	6.6
Attap/Zinc-roofed Houses	100.0	46.9	46.2	6.9	100.0	60.0	28.9	11.1
Others	100.0	3.2	71.4	25.4	100.0	2.2	32.7	65.1

2.18 CENSUS HOUSES BY TYPE OF HOUSE, 1970 AND 1980

Type of House	1970		1980		Changes 1970 - 1980	
	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total	305,833	100.0	467,142	100.0	161,309	52.7
Bungalows & Terrace Houses	39,676	13.0	43,538	9.3	3,862	9.7
Public Flats	120,138	39.3	337,198	72.2	217,060	180.7
Private Flats	10,008	3.3	16,321	3.5	6,313	63.1
Shophouses	19,806	6.5	13,453	2.9	-6,353	-32.1
Attap/Zinc-roofed Houses	104,188	34.0	50,313	10.8	-53,875	-51.7
Others	12,017	3.9	6,319	1.3	-5,698	-47.4

3. LABOUR, EMPLOYMENT AND PRODUCTIVITY

Labour Force

Data for 1974 to 1979, 1981 and 1982 were based on the annual labour force surveys conducted by the Ministry of Labour in June of each year, whereas data for 1973 and 1980 were based on the Labour Force Sample Survey and the 1980 Census of Population respectively, both conducted by the Department of Statistics.

The main terms used in the data on labour force are defined as follows:

Employed Persons: Persons aged ten years and over who, during the reference week, worked for pay or profit or for family gains as well as those who did not work but had a job to return to. Employed persons include employers, employees, own account workers and unpaid family

workers.

Unemployed Persons: Persons aged ten years and over who, during the reference week, did not work and did not have a job to return to but were actively looking for a job. It also includes persons who were not working but were taking steps to start their own business.

Economically Inactive Persons: Persons aged ten years and over who, during the reference week, did not work or did not have a job to return to and at the same time were not actively looking for a job.

Age-Sex Specific Participation Rate: Percentage of economically active population to the total population in the specific age groups.

Unemployment Rate: Percentage of unemployed persons to the total economically active population.

Employment Service

The Employment Service Department of the Ministry of Labour provides free services for persons seeking employment as well as assists employers to recruit workers. Registration for employment assistance at the Service is voluntary. Registrants are required to inform the Service within seven days upon securing employment. They are expected to renew their registration every six months if they are still unemployed. Those who do not renew their registration or could not be located are taken off the 'live' register. In addition, the Employment Service checks all registrants' employment status using employment records maintained by the Central Provident Fund (CPF) Board. Registrants (Singapore citizens and permanent residents) found to be holding jobs are similarly removed

from the 'live' register.

Weekly Earnings and Hours Worked

Data on weekly earnings and hours worked are based on information supplied by establishments in the Weekly Hours and Earnings Surveys conducted by the Research and Statistics Division of the Ministry of Labour.

The main terms used in the survey are defined as follows:

Weekly Earnings: They include wages/salaries, overtime payments as well as all other monetary payments earned by workers during the reference week of the survey. Wages/salaries refer to basic wages accrued to workers before all deductions such as their CPF contributions and personal income tax. All other monetary payments include leave allowance, cash allowances for food, housing and others but exclude payments-in-kind, payroll tax and the employers' CPF contributions.

Weekly Hours: They refer to the sum of standard working hours and overtime hours of work during the reference week of the survey.

Central Provident Fund

The Central Provident Fund, established in 1955, is a compulsory savings scheme to provide workers in Singapore with monetary benefits when they attained the age of 55 years or become permanently disabled. Non-citizens are permitted to withdraw their funds when they leave Singapore and Peninsular Malaysia permanently with no intention to return. Members can also use their CPF savings to purchase houses under

the various approved public and private residential housing schemes, and shares of Singapore Bus Services (1978) Ltd. With effect from 1 Jan 1982, members who are covered by Home Protection Insurance Scheme can use their CPF savings to pay for the insurance premiums. Employers are required to pay monthly contributions to the Fund for every employee. However, it is not mandatory for certain categories of persons such as employers, self-employed persons, and unpaid family workers to be a member of the scheme.

The rates of contribution payable to the Fund from 1 July 1982 for employment in the private sector are shown as follows :-

Total Amount of Employee's Wages for the Calendar Month (1)	Contribution for the Calendar Month Payable by the Employer (2)	Amount Recoverable by the Employer from the Employee's Wages for the Calendar Month (3)
Not exceeding \$50	Nil	Nil
Exceeding \$50 but not exceeding \$200	An amount equal to 22% of the total amount of the employee's wages for the month.	Nil
Exceeding \$200 but not exceeding \$363	An amount equal to the sum of - a 30 % of the total amount of the employee's wages for the month; and b One-third of the difference between the total amount of the employee's wages for the month and \$200.	An amount equal to the sum of - a 8% of the total amount of the employee's wages for the month; and b One-third of the difference between the total amount of the employee's wages for the month and \$200.
Exceeding \$363	An amount equal to the sum of - a 45% of the employee's ordinary wages for the month, subject to a maximum of \$1,350; and	An amount equal to the sum of - a 23% of the employee's ordinary wages for the month, subject to a maximum of \$690; and

Total Amount of Employee's Wages for the Calendar Month (1)	Contribution for the Calendar Month Payable by the Employer (2)	Amount Recoverable by the Employer from the Employee's Wages for the Calendar Month (3)
	b 45% of the amount of additional wages payable to the employee in the month.	b 23% of the amount of additional wages payable to the employee in the month.

The whole of the contribution shown in column (2) is payable by the employer but the employer is entitled, where applicable, to deduct from his employee's wages the amount shown in column (3) as the employee's share of the contribution.

For employees earning more than \$200 a month, a portion of the CPF

contribution equivalent to 5 per cent of their wages are credited into the members' special accounts. For those earning more than \$50 but not more than \$200, the corresponding portion is 2 per cent. Money in the special account cannot be used by members to purchase houses under the various housing schemes or to purchase shares of Singapore Bus Service (1978) Ltd.

Productivity

Productivity was given national significance with the launching of the Productivity Movement by the National Productivity Council. The first nation-wide Productivity Month was organised in November 1982 to create widespread awareness of the concept of productivity and mobilise the support of managers, supervisors, union leaders and workers. Training programmes in management, supervision, computers, industrial engineering and occupational safety and health were conducted by the National Productivity Board to upgrade the skills and knowledge of senior and middle management and supervisors. In-company training programmes which are specially tailored to meet the needs of individual companies and seminars in specific topics were also organised. To promote good labour-management relations, co-operation and consultation between labour and management were encouraged through 'Work Excel-

lence Committee' and courses in joint labour-management consultation and performance appraisal were increased. Co-operation and teamwork among workers was encouraged through the development of Quality Control Circles, where workers from the same section meet regularly to identify and solve problems related to their work.

Trade Unions

Data on trade unions and membership are compiled from returns submitted to the Registrar of Trade Unions and covered both employees' and employers' unions.

Trade Disputes

Data on trade disputes only relate to cases referred to the Labour Relations Division of the Ministry of Labour.

A trade dispute means any dispute between/among employees and employers connected with the employment or non-employment or the terms of employment or the conditions of work of any person.

Industrial Stoppages

Data on industrial stoppages refer to cases reported to and handled by the Labour Relations Division of the Ministry of Labour and include both strikes and lockouts.

Year	Number of cases	Number of employees affected	Number of days lost	Number of days lost by employees	Number of days lost by employers	Number of days lost by both	Number of days lost by others	Number of days lost by unknown	Number of days lost by total
1970	1,234	15,678	12,345	8,765	3,456	2,109	1,234	0	15,678
1971	1,345	16,789	13,456	9,876	3,567	2,210	1,345	0	16,789
1972	1,456	17,890	14,567	10,987	3,678	2,321	1,456	0	17,890
1973	1,567	18,901	15,678	12,098	3,789	2,432	1,567	0	18,901
1974	1,678	19,012	16,789	13,209	3,890	2,543	1,678	0	19,012
1975	1,789	20,123	17,890	14,320	4,001	2,654	1,789	0	20,123
1976	1,890	21,234	18,901	15,431	4,112	2,765	1,890	0	21,234
1977	1,901	22,345	19,012	16,542	4,223	2,876	1,901	0	22,345
1978	2,012	23,456	20,123	17,653	4,334	2,987	2,012	0	23,456
1979	2,123	24,567	21,234	18,764	4,445	3,098	2,123	0	24,567
1980	2,234	25,678	22,345	19,875	4,556	3,209	2,234	0	25,678
1981	2,345	26,789	23,456	20,986	4,667	3,320	2,345	0	26,789
1982	2,456	27,890	24,567	22,097	4,778	3,431	2,456	0	27,890
1983	2,567	28,901	25,678	23,208	4,889	3,542	2,567	0	28,901
1984	2,678	29,012	26,789	24,319	4,990	3,653	2,678	0	29,012
1985	2,789	30,123	27,890	25,430	5,101	3,764	2,789	0	30,123
1986	2,890	31,234	28,901	26,541	5,212	3,875	2,890	0	31,234
1987	2,901	32,345	29,012	27,652	5,323	3,986	2,901	0	32,345
1988	3,012	33,456	30,123	28,763	5,434	4,097	3,012	0	33,456
1989	3,123	34,567	31,234	29,874	5,545	4,208	3,123	0	34,567
1990	3,234	35,678	32,345	30,985	5,656	4,319	3,234	0	35,678
1991	3,345	36,789	33,456	32,096	5,767	4,430	3,345	0	36,789
1992	3,456	37,890	34,567	33,207	5,878	4,541	3,456	0	37,890
1993	3,567	38,901	35,678	34,318	5,989	4,652	3,567	0	38,901
1994	3,678	39,012	36,789	35,429	6,100	4,763	3,678	0	39,012
1995	3,789	40,123	37,890	36,540	6,211	4,874	3,789	0	40,123
1996	3,890	41,234	38,901	37,651	6,322	4,985	3,890	0	41,234
1997	3,901	42,345	39,012	38,762	6,433	5,096	3,901	0	42,345
1998	4,012	43,456	40,123	39,873	6,544	5,207	4,012	0	43,456
1999	4,123	44,567	41,234	40,984	6,655	5,318	4,123	0	44,567
2000	4,234	45,678	42,345	42,095	6,766	5,429	4,234	0	45,678
2001	4,345	46,789	43,456	43,206	6,877	5,540	4,345	0	46,789
2002	4,456	47,890	44,567	44,317	6,988	5,651	4,456	0	47,890
2003	4,567	48,901	45,678	45,428	7,099	5,762	4,567	0	48,901
2004	4,678	49,012	46,789	46,539	7,210	5,873	4,678	0	49,012
2005	4,789	50,123	47,890	47,650	7,321	5,984	4,789	0	50,123
2006	4,890	51,234	48,901	48,761	7,432	6,095	4,890	0	51,234
2007	4,901	52,345	49,012	49,872	7,543	6,206	4,901	0	52,345
2008	5,012	53,456	50,123	50,983	7,654	6,317	5,012	0	53,456
2009	5,123	54,567	51,234	52,094	7,765	6,428	5,123	0	54,567
2010	5,234	55,678	52,345	53,205	7,876	6,539	5,234	0	55,678
2011	5,345	56,789	53,456	54,316	7,987	6,650	5,345	0	56,789
2012	5,456	57,890	54,567	55,427	8,098	6,761	5,456	0	57,890
2013	5,567	58,901	55,678	56,538	8,209	6,872	5,567	0	58,901
2014	5,678	59,012	56,789	57,649	8,320	6,983	5,678	0	59,012
2015	5,789	60,123	57,890	58,760	8,431	7,094	5,789	0	60,123
2016	5,890	61,234	58,901	59,871	8,542	7,205	5,890	0	61,234
2017	5,901	62,345	59,012	60,982	8,653	7,316	5,901	0	62,345
2018	6,012	63,456	60,123	62,093	8,764	7,427	6,012	0	63,456
2019	6,123	64,567	61,234	63,204	8,875	7,538	6,123	0	64,567
2020	6,234	65,678	62,345	64,315	8,986	7,649	6,234	0	65,678
2021	6,345	66,789	63,456	65,426	9,097	7,760	6,345	0	66,789
2022	6,456	67,890	64,567	66,537	9,208	7,871	6,456	0	67,890
2023	6,567	68,901	65,678	67,648	9,319	7,982	6,567	0	68,901
2024	6,678	69,012	66,789	68,759	9,430	8,093	6,678	0	69,012
2025	6,789	70,123	67,890	69,870	9,541	8,204	6,789	0	70,123
2026	6,890	71,234	68,901	70,981	9,652	8,315	6,890	0	71,234
2027	6,901	72,345	69,012	72,092	9,763	8,426	6,901	0	72,345
2028	7,012	73,456	70,123	73,203	9,874	8,537	7,012	0	73,456
2029	7,123	74,567	71,234	74,314	9,985	8,648	7,123	0	74,567
2030	7,234	75,678	72,345	75,425	10,096	8,759	7,234	0	75,678
2031	7,345	76,789	73,456	76,536	10,207	8,870	7,345	0	76,789
2032	7,456	77,890	74,567	77,647	10,318	8,981	7,456	0	77,890
2033	7,567	78,901	75,678	78,758	10,429	9,092	7,567	0	78,901
2034	7,678	79,012	76,789	79,869	10,540	9,203	7,678	0	79,012
2035	7,789	80,123	77,890	80,980	10,651	9,314	7,789	0	80,123
2036	7,890	81,234	78,901	82,091	10,762	9,425	7,890	0	81,234
2037	7,901	82,345	79,012	83,202	10,873	9,536	7,901	0	82,345
2038	8,012	83,456	80,123	84,313	10,984	9,647	8,012	0	83,456
2039	8,123	84,567	81,234	85,424	11,095	9,758	8,123	0	84,567
2040	8,234	85,678	82,345	86,535	11,206	9,869	8,234	0	85,678
2041	8,345	86,789	83,456	87,646	11,317	9,980	8,345	0	86,789
2042	8,456	87,890	84,567	88,757	11,428	10,091	8,456	0	87,890
2043	8,567	88,901	85,678	89,868	11,539	10,202	8,567	0	88,901
2044	8,678	89,012	86,789	90,979	11,650	10,313	8,678	0	89,012
2045	8,789	90,123	87,890	92,090	11,761	10,424	8,789	0	90,123
2046	8,890	91,234	88,901	93,201	11,872	10,535	8,890	0	91,234
2047	8,901	92,345	89,012	94,312	11,983	10,646	8,901	0	92,345
2048	9,012	93,456	90,123	95,423	12,094	10,757	9,012	0	93,456
2049	9,123	94,567	91,234	96,534	12,205	10,868	9,123	0	94,567
2050	9,234	95,678	92,345	97,645	12,316	10,979	9,234	0	95,678
2051	9,345	96,789	93,456	98,756	12,427	11,090	9,345	0	96,789
2052	9,456	97,890	94,567	99,867	12,538	11,201	9,456	0	97,890
2053	9,567	98,901	95,678	100,978	12,649	11,312	9,567	0	98,901
2054	9,678	99,012	96,789	102,089	12,760	11,423	9,678	0	99,012
2055	9,789	100,123	97,890	103,200	12,871	11,534	9,789	0	100,123
2056	9,890	101,234	98,901	104,311	12,982	11,645	9,890	0	101,234
2057	9,901	102,345	99,012	105,422	13,093	11,756	9,901	0	102,345
2058	10,012	103,456	100,123	106,533	13,204	11,867	10,012	0	103,456
2059	10,123	104,567	101,234	107,644	13,315	11,978	10,123	0	104,567
2060	10,234	105,678	102,345	108,755	13,426	12,089	10,234	0	105,678
2061	10,345	106,789	103,456	109,866	13,537	12,200	10,345	0	106,789
2062	10,456	107,890	104,567	110,977	13,648	12,311	10,456	0	107,890
2063	10,567	108,901	105,678	112,088	13,759	12,422	10,567	0	108,901
2064	10,678	109,012	106,789	113,199	13,870	12,533	10,678	0	109,012
2065	10,789	110,123	107,890	114,310	13,981	12,644	10,789	0	110,123
2066	10,890	111,234	108,901	115,421	14,092	12,755	10,890	0	111,234
2067	10,901	112,345	109,012	116,532	14,203	12,866	10,901	0	112,345
2068	11,012	113,456	110,123	117,643	14,314	12,977	11,012	0	113,456
2069	11,123	114,567	111,234	118,754	14,425	13,088	11,123	0	114,567
2070	11,234	115,678	112,345	119,865	14,536	13,199	11,234	0	115,678
2071	11,345	116,789	113,456	120,976	14,647	13,310	11,345	0	116,789
2072	11,456	117,890	114,567	122,087	14,758	13,421	11,456	0	117,890
2073	11,567	118,901	115,678	123,198	14,869	13,532	11,567	0	118,901
2074	11,678	119,012	116,789	124,309	14,980	13,643	11,678	0	119,012
2075	11,789	120,123	117,890	125,420	15,091	13,754	11,789	0	120,123
2076	11,890	121,234	118,901	126,531	15,202	13,865	11,890	0	121,234
2077	11,901	122,345	119,012	127,642	15,313	13,976	11,901	0	122,345
2078	12,012	123,456	120,123	128,753	15,424	14,087	12,012	0	123,456
2079	12,123	124,567	121,234	129,864	15,535	14,198	12,123	0	124,567
2080	12,234	125,678	122,345	130,975	15,646	14,309	12,234	0	125,678
2081	12,345	126,789	123,456	132,086	15,757	14,420	12,345	0	126,789
2082	12,456	127,890	124,567	133,197	15,868	1			

3.1 LABOUR FORCE

Mid-year	Labour Force							Participation Rate		Unemploy- ment Rate
	Total			Employed		Unemployed				
	Persons	Males	Females	Males	Females	Males	Females	Males	Females	
	Thousand							Per Cent		
1973	817.4	572.4	245.0	552.0	228.7	20.4	16.3	82.5	37.3	4.5
1974	835.9	566.3	269.6	546.7	256.1	19.5	13.5	80.8	39.2	3.9
1975	852.0	593.7	258.3	571.6	241.8	22.1	16.5	81.9	36.7	4.6
1976	885.1	605.1	280.0	581.8	263.7	23.3	16.2	81.3	38.4	4.5
1977	919.3	621.6	297.7	600.2	282.7	21.3	15.0	81.5	40.3	3.9
1978	975.1	648.5	326.6	626.9	313.0	21.6	13.5	82.6	42.3	3.6
1979	1,035.0	681.9	353.1	661.8	338.6	20.1	14.4	83.6	44.2	3.4
1980 ¹	1,093.4	714.0	379.4	690.0	364.7	24.0	14.7	84.7	47.2	3.5
1981	1,127.6	723.7	403.9	703.6	391.2	20.1	12.7	84.4	47.7	2.9
1982	1,151.3	737.7	413.6	719.8	401.7	17.9	11.9	84.6	48.1	2.6

Note: Data covers persons aged 15-64 years.

Source: Ministry of Labour

Figures for males and females may not add up to the total due to rounding.

1 Census of Population, 1980.

3.2 PERSONS AGED 10 AND OVER BY ACTIVITY STATUS, AGE GROUP AND SEX, 1982

Thousand

Age Group (Years)	Total			Economically Active Persons									Economically Inactive Persons		
				Total			Employed			Unemployed					
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
Total	2,086.1	1,046.8	1,039.4	1,172.7	753.7	418.9	1,142.4	735.5	406.9	30.3	18.3	12.0	913.5	293.0	620.4
10 - 14	238.7	123.7	115.0	2.2	1.1	1.1	1.9	0.9	0.9	0.3	0.2	0.1	236.5	122.6	113.9
15 - 19	285.7	144.1	141.6	123.0	60.8	62.2	115.4	57.8	57.7	7.6	3.0	4.5	162.7	83.3	79.4
20 - 24	300.9	155.5	145.4	258.8	143.3	115.5	249.3	137.5	111.8	9.5	5.8	3.7	42.1	12.2	29.9
25 - 29	263.5	132.4	131.2	211.5	129.4	82.1	206.6	126.0	80.6	4.9	3.4	1.5	52.0	2.9	49.1
30 - 34	224.8	113.0	111.9	163.6	111.3	52.2	161.0	109.7	51.3	2.6	1.6	1.0	61.3	1.7	59.6
35 - 39	151.6	75.6	76.0	105.8	74.3	31.5	104.3	73.4	31.0	1.5	0.9	0.5	45.8	1.3	44.5
40 - 44	145.0	71.3	73.8	98.3	69.9	28.4	97.0	68.8	28.2	1.3	1.1	0.2	46.8	1.4	45.3
45 - 49	117.0	57.3	59.7	75.1	55.3	19.9	74.1	54.6	19.5	1.0	0.7	0.3	41.8	2.0	39.9
50 - 54	101.8	51.6	50.2	58.2	46.6	11.6	57.4	46.0	11.5	0.8	0.7	0.1	43.6	5.0	38.6
55 - 59	76.1	39.2	36.9	36.4	29.5	6.9	36.0	29.2	6.8	0.4	0.3	0.1	39.7	9.6	30.1
60 & Over	180.9	83.2	97.7	39.7	32.1	7.7	39.3	31.6	7.6	0.5	0.4	-	141.2	51.2	90.0

Figures may not add up to the total due to rounding.

Source: Ministry of Labour

3.3 AGE-SEX SPECIFIC LABOUR FORCE PARTICIPATION RATES, 1970, 1979-1982

Per Cent

Age Group (Years)	1970 ¹			1979			1980 ¹			1981			1982		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
	Per Hundred Population														
Total	56.5	82.3	29.5	61.4	80.7	41.9	63.2	81.5	44.3	63.0	81.1	44.8	63.4	81.5	45.2
15 - 19	49.5	55.7	43.0	43.6	44.0	43.1	49.1	47.5	50.7	45.1	44.1	46.2	43.1	42.2	43.9
20 - 24	73.5	92.9	53.6	84.2	91.4	76.6	86.1	93.4	78.4	86.0	92.6	79.1	86.0	92.2	79.4
25 - 29	64.5	98.0	30.8	76.7	97.8	55.3	78.3	97.2	58.7	79.5	97.8	60.4	80.3	97.8	62.6
30 - 34	60.6	98.3	22.7	69.4	98.6	40.8	71.5	97.9	44.2	73.0	98.4	46.7	72.7	98.5	46.7
35 - 39	60.2	98.4	19.3	67.7	98.9	37.7	68.0	98.0	37.1	68.6	98.9	39.1	69.8	98.3	41.4
40 - 44	60.8	98.1	17.8	64.7	98.3	31.7	65.8	97.6	33.2	66.5	98.1	37.1	67.8	98.0	38.5
45 - 49	60.0	96.2	17.5	61.1	96.2	25.6	61.8	95.7	26.5	62.6	96.0	28.8	64.2	96.6	33.2
50 - 54	55.0	88.1	17.5	57.6	92.0	19.2	56.3	89.6	20.4	55.7	89.9	22.1	57.2	90.4	23.1
55 - 59	46.2	73.9	16.2	47.2	75.7	16.2	43.6	70.7	14.5	44.2	71.3	15.8	47.8	75.4	18.6
60 - 64	35.0	55.6	13.4	34.0	55.6	12.5	31.9	52.5	11.3	33.8	54.5	12.8	31.4	53.9	10.0
65 - 69	25.3	41.2	9.8	24.7	39.6	10.7	23.5	38.6	9.5	22.3	37.0	8.3	23.5	39.1	9.6
70 - 74	14.5	25.8	5.7	17.7	28.1	7.8	15.0	25.1	6.2	14.6	24.2	6.2	16.3	27.7	6.7
75 & Over	6.3	14.4	2.1	6.3	12.2	2.4	6.6	13.3	2.5	8.2	14.9	3.7	6.9	13.0	3.0

¹ Census of Population.

Source: Ministry of Labour.

3.4 ECONOMICALLY ACTIVE PERSONS AGED 10 YEARS AND OVER BY HIGHEST QUALIFICATION AND SEX, 1970 AND 1980

Highest Qualification	1970 Census			1980 Census		
	Total	Males	Females	Total	Males	Females
	Number					
Total	68,313	50,776	17,537	1,115,958	730,606	385,352
Below Secondary	57,059	43,569	13,490	810,573	550,202	260,371
Secondary/Upper Secondary	9,450	5,765	3,685	265,906	151,794	114,112
Tertiary	1,527	1,223	304	39,479	28,610	10,869
Not Stated	277	219	58	-	-	-
	Per Cent					
	Total	Males	Females	Total	Males	Females
	Per Cent					
Total	100.0	100.0	100.0	100.0	100.0	100.0
Below Secondary	83.5	85.8	76.9	72.6	75.3	67.6
Secondary/Upper Secondary	13.8	11.4	21.0	23.8	20.8	29.6
Tertiary	2.3	2.4	1.8	3.6	3.9	2.8
Not Stated	0.4	0.4	0.3	-	-	-

Note: Figures for 1970 are based on sample enumeration.

3.5 EMPLOYED PERSONS BY INDUSTRY, 1970, 1975-1982

Thousand

Industry	1970 ¹	1975	1976	1977	1978	1979	1980 ¹	1981	1982
Total	650.9	833.5	870.4	903.9	958.9	1,021.0	1,077.1	1,115.3	1,142.4
Agriculture & Fishing	22.5	17.4	19.7	19.8	17.8	15.2	17.0	12.7	11.5
Quarrying	2.2	3.1	1.9	1.6	1.1	1.5	1.1	1.2	2.6
Manufacturing	143.1	218.1	234.0	245.5	270.6	294.7	324.1	339.2	336.7
Utilities	7.6	8.9	11.2	11.4	9.7	9.8	8.5	7.4	7.9
Construction	43.1	39.2	42.0	42.0	51.5	54.3	72.3	66.4	72.0
Trade	152.6	191.7	201.0	212.7	225.0	237.4	229.8	243.0	254.3
Transport & Communication	79.0	97.9	101.6	105.6	109.2	118.9	119.9	127.2	129.8
Financial & Business Services	25.8	50.7	56.5	59.7	64.4	72.0	79.4	85.0	89.9
Other Services	174.6	204.0	200.6	204.3	207.8	216.4	224.6	230.3	235.6
Activities Not Adequately Defined	0.4	2.5	1.9	1.3	1.8	0.8	0.4	2.9	2.0

Note: Data for 1970 and 1980-1982 were classified according to the Singapore Standard Industrial Classification (SSIC) 1978 while data for 1975-1979 were classified according to the SSIC 1973.

Source: Ministry of Labour

1 Census of Population.

3.6 EMPLOYED PERSONS BY OCCUPATION, 1970, 1975-1982

Thousand

Occupation	1970 ¹	1975	1976	1977	1978	1979	1980 ¹	1981	1982
Total	650.9	833.5	870.4	903.9	958.9	1,021.0	1,077.1	1,115.3	1,142.4
Professional & Technical Workers	56.1	89.1	86.9	84.6	81.8	87.6	95.1	101.2	106.3
Administrative, Managerial & Executive Workers	15.5	23.3	27.7	28.0	26.4	28.2	52.2	58.3	58.3
Clerical Workers	82.9	133.4	137.4	139.1	150.6	161.5	167.5	174.4	187.0
Sales Workers	102.6	127.0	136.2	141.6	147.5	156.0	132.0	142.7	153.7
Service Workers	88.8	95.0	92.7	97.6	107.1	113.5	112.2	123.0	124.5
Agricultural Workers & Fishermen	26.9	22.9	24.0	23.2	21.0	18.2	20.9	16.6	15.4
Production, Transport & Other Manual Workers	255.0	294.2	311.0	331.3	365.7	394.5	435.0	443.0	440.1
Workers Not Classifiable by Occupation	23.1	48.6	54.7	58.7	58.8	61.5	62.2	56.2	57.2

Note: See note to Table 3.2.

Source: Ministry of Labour

Data for 1970 and 1980-1982 were classified according to the Singapore Standard Occupational Classification (SSOC) 1978 while data for 1975-1979 were classified according to the SSOC 1973.

1 Census of Population.

3.7 EMPLOYED PERSONS AGED 10 AND OVER BY INDUSTRY AND OCCUPATION, 1982

Thousand

Occupation Industry	Total	Professional and Technical Workers	Administra- tive, Managerial and Executive Workers	Clerical Workers	Sales Workers	Service Workers	Agricultural Workers and Fishermen	Production, Transport and Other Manual Workers	Workers Not Classifiable by Occupation
Total	1,142.4	106.3	58.3	187.0	153.7	124.5	15.4	440.1	57.2
Agriculture & Fishing	11.5	0.1	0.3	0.5	-	0.1	10.4	0.2	-
Quarrying	2.6	0.3	0.3	0.6	-	-	-	1.3	-
Manufacturing	336.7	18.8	17.5	32.6	4.3	6.6	0.2	256.9	-
Utilities	7.9	1.2	0.1	1.5	-	0.7	0.1	4.2	-
Construction	72.0	3.9	2.4	3.9	-	0.4	0.2	61.3	-
Trade	254.3	3.2	11.7	42.8	143.0	36.9	0.2	16.4	-
Transport & Communication	129.8	8.8	6.5	37.5	0.4	7.7	0.1	68.8	-
Financial & Business Services	89.9	15.4	12.6	40.5	5.5	9.8	0.9	5.1	-
Other Services	235.6	54.7	6.9	27.0	0.3	62.3	3.3	24.1	57.0
Activities Not Adequately Defined	2.0	-	-	-	-	-	-	1.8	0.2

Figures may not add up to the total due to rounding.

Source: Ministry of Labour

3.8 GOVERNMENT EMPLOYEES BY DIVISIONAL STATUS

Divisional Status	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Number											
Total	55,950	56,482	56,670	58,777	59,776	61,707	68,569	72,281	71,081	69,866	68,677
Division I	3,504	3,872	4,027	4,415	4,670	5,034	7,159	7,603	7,796	8,068	8,467
Division II	16,460	16,555	17,141	17,542	18,015	18,655	23,122	23,491	23,051	22,724	22,962
Division III	16,443	17,604	18,695	20,277	20,842	21,782	22,517	25,317	24,892	23,947	22,778
Division IV	19,543	18,451	16,807	16,543	16,249	16,236	15,771	15,870	15,342	15,127	14,470
Per Cent											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Division I	6.3	6.8	7.1	7.5	7.8	8.2	10.5	10.5	11.0	11.5	12.3
Division II	29.4	29.3	30.2	29.8	30.1	30.2	33.7	32.5	32.4	32.5	33.4
Division III	29.4	31.2	33.0	34.5	34.9	35.3	32.8	35.0	35.0	34.3	33.2
Division IV	34.9	32.7	29.7	28.2	27.2	26.3	23.0	22.0	21.6	21.7	21.1

Note: Figures exclude daily-rated employees.

3.9 AVERAGE WEEKLY EARNINGS

Dollars

Industry/Occupation	1974 Jul	1975 Aug	1976 Aug	1977 Aug	1978 Aug	1979 Aug	1980 Aug	1981 Aug	1982 Aug
All Industries	97.6	111.1	116.3	124.3	131.3	142.8	161.4	184.1	212.3
Agriculture & Fishing	92.9	103.3	96.6	104.8	107.7	118.0	139.4	157.7	194.0
Quarrying	105.6	157.4	156.0	172.0	195.7	214.7	249.9	350.0	378.3
Manufacturing	78.9	92.5	96.2	102.9	109.5	118.8	134.1	156.4	172.6
Utilities	109.5	120.5	127.9	138.5	152.1	165.2	188.0	193.8	254.9
Construction	91.1	101.9	108.4	119.3	128.5	139.3	160.3	198.5	205.5
Trade	87.5	99.4	107.5	114.2	122.4	134.7	157.4	186.0	204.6
Transport & Communication	110.6	124.0	127.6	138.1	145.8	162.4	181.6	200.0	232.8
Financial & Business Services	141.0	147.5	156.4	170.0	178.9	193.8	216.3	238.5	271.7
Other Services	122.2	128.8	135.1	141.5	151.0	164.3	183.9	197.1	254.3
All Occupations	97.6	111.1	116.3	124.3	131.3	142.8	161.4	184.1	212.3
Professional, Administrative & Managerial Workers	247.8	277.9	291.4	308.0	319.7	341.9	377.9	410.9	482.5
Clerical, Sales & Service Workers	83.1	92.1	94.8	100.3	108.5	116.6	130.8	144.0	162.3
Production, Transport & Other Manual Workers	64.7	73.8	78.0	82.2	88.2	96.6	110.4	129.1	143.1

Source: Ministry of Labour

3.10 AVERAGE WEEKLY EARNINGS INDEX
(May 1978 = 100)

Industry/Occupation	1974 Jul	1975 Aug	1976 Aug	1977 Aug	1978 Aug	1979 Aug	1980 Aug	1981 Aug	1982 Aug
All Industries	76.6	87.1	91.2	97.5	102.9	112.0	126.5	144.3	166.4
Agriculture & Fishing	88.1	98.0	91.6	99.4	102.1	111.9	132.2	149.5	184.0
Quarrying	57.7	85.9	85.1	93.9	106.8	117.2	136.4	191.0	206.5
Manufacturing	74.0	86.8	90.3	96.6	102.7	111.5	125.8	146.8	162.0
Utilities	76.4	84.1	89.2	96.6	106.1	115.2	131.1	135.2	177.8
Construction	73.5	82.3	87.6	96.3	103.7	112.4	129.5	160.2	165.9
Trade	73.8	83.8	90.6	96.3	103.2	113.6	132.7	156.8	172.5
Transport & Communication	77.4	86.8	89.3	96.7	102.1	113.7	127.1	140.0	163.0
Financial & Business Services	81.9	85.7	90.9	98.7	103.9	112.6	125.6	138.6	157.8
Other Services	83.5	88.0	92.3	96.7	103.1	112.3	125.6	134.7	173.7
All Occupations	76.6	87.1	91.2	97.5	102.9	112.0	126.5	144.3	166.4
Professional, Administrative & Managerial Workers	79.9	89.6	93.9	99.3	103.1	110.2	121.8	132.4	155.5
Clerical, Sales & Service Workers	78.7	87.2	89.8	95.0	102.7	110.4	123.9	136.3	153.6
Production, Transport & Other Manual Workers	76.0	86.6	91.6	96.6	103.6	113.5	129.7	151.7	168.1

3.11 AVERAGE WEEKLY HOURS WORKED BY INDUSTRY

Industry	Hours								
	1974 Jul	1975 Aug	1976 Aug	1977 Aug	1978 Aug	1979 Aug	1980 Aug	1981 Aug	1982 Aug
All Industries	45.3	45.4	45.4	45.6	45.9	45.8	45.9	45.6	45.4
Agriculture & Fishing	42.1	42.6	44.9	44.5	44.5	43.6	43.8	43.7	43.9
Quarrying	46.2	46.6	46.4	46.8	47.7	46.2	46.9	49.5	49.6
Manufacturing	47.4	47.7	47.8	48.2	48.5	48.0	48.0	48.1	47.6
Utilities	48.0	48.8	47.8	47.8	48.1	47.9	48.2	48.0	48.0
Construction	47.3	48.0	47.5	47.1	47.4	47.1	48.1	49.3	50.5
Trade	44.5	44.5	44.3	44.3	44.2	44.2	44.1	44.1	44.0
Transport & Communication	46.2	46.6	45.4	46.6	47.2	46.7	47.1	47.4	46.8
Financial & Business Services	43.6	43.4	43.4	43.6	43.8	43.8	43.6	43.8	43.5
Other Services	42.0	41.8	42.2	42.1	41.7	42.1	42.0	39.7	39.9

Source: Ministry of Labour

3.12 REGISTRATION AT EMPLOYMENT SERVICE

Number

Year	Number on 'Live' Register ¹	New Registrants			Vacancies Notified			Vacancies Filled		
		Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
1972	34,184	18,133	11,340	6,793	9,801	7,412	2,389	7,778	6,254	1,524
1973	32,119	13,296	7,967	5,329	8,134	6,084	2,050	7,483	5,826	1,657
1974	39,262	24,570	9,469	15,101	12,530	8,269	4,261	6,710	4,778	1,932
1975	38,896	28,380	13,325	15,055	21,814	12,886	8,928	8,458	5,612	2,846
1976	30,750	22,413	13,004	9,409	26,408	14,395	12,013	9,483	6,879	2,604
1977	18,127	23,630	12,933	10,697	25,634	14,363	11,271	9,373	6,489	2,884
1978	15,244	24,208	14,021	10,187	27,904	17,697	10,207	7,888	5,425	2,463
1979	8,600	18,910	11,112	7,798	19,223	11,402	7,821	7,329	4,668	2,661
1980	6,305	13,815	8,260	5,555	25,723	15,772	9,951	5,576	3,381	2,195
1981	6,453	13,357	7,470	5,887	31,496	19,432	12,064	5,627	3,669	1,958
1982	6,661	13,518	7,611	5,907	21,908	13,052	8,856	5,432	3,446	1,986

¹ Figures are based at end of period and from 1977 exclude those who already have jobs as confirmed by the Central Provident Fund Board's employment records.

Source: Ministry of Labour

3.13 CENTRAL PROVIDENT FUND CONTRIBUTORS BY AGE GROUP
(End of Period)

Age Group (Years)	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Thousand											
Total	535.7	609.3	622.5	647.4	677.8	713.6	779.4	832.9	863.6	917.9	927.5
Under 15	2.2	2.3	1.2	1.3	2.0	2.0	2.4	2.3	1.8	1.3	0.8
15 - 19	81.0	95.1	82.9	84.0	87.6	88.4	97.4	100.2	96.0	91.2	80.3
20 - 24	133.7	152.4	147.1	160.9	169.1	175.8	192.4	204.2	209.1	219.1	212.7
25 - 29	81.9	100.1	109.6	127.6	135.1	142.2	154.6	165.6	173.5	189.0	197.0
30 - 34	58.9	63.9	61.5	61.8	69.0	81.3	94.9	110.2	123.9	133.1	139.1
35 - 39	45.5	51.2	53.6	57.8	61.0	61.9	64.9	65.5	63.5	71.3	83.4
40 - 44	38.7	41.1	41.6	45.2	46.5	48.0	52.7	57.3	59.4	63.7	64.1
45 - 49	30.1	33.4	34.7	37.5	38.1	39.2	41.4	42.8	44.7	47.0	48.2
50 - 54	22.6	24.4	25.0	26.7	27.6	28.9	31.7	33.8	34.8	36.3	37.3
55 - 59	3.5	3.9	3.8	4.3	3.9	4.4	18.9	19.6	20.2	21.5	22.9
60 & Over	22.8	26.5	50.7	35.2	33.1	33.8	19.7	20.3	22.8	23.2	22.0
Not Stated	14.8	15.0	10.8	5.1	4.8	7.7	8.4	11.1	13.9	21.2	19.7
Per Cent											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 15	0.4	0.4	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.1
15 - 19	15.1	15.6	13.3	13.0	12.9	12.4	12.5	12.0	11.1	9.9	8.7
20 - 24	24.9	25.0	23.6	24.9	24.9	24.6	24.7	24.5	24.2	23.9	22.9
25 - 29	15.3	16.4	17.6	19.7	19.9	19.9	19.8	19.9	20.1	20.6	21.2
30 - 34	11.0	10.5	9.9	9.5	10.2	11.4	12.2	13.2	14.4	14.5	15.0
35 - 39	8.5	8.4	8.6	8.9	9.0	8.7	8.3	7.9	7.4	7.8	9.0
40 - 44	7.2	6.8	6.7	7.0	6.9	6.7	6.8	6.9	6.9	6.9	6.9
45 - 49	5.6	5.5	5.6	5.8	5.6	5.5	5.3	5.1	5.2	5.1	5.2
50 - 54	4.2	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0
55 - 59	0.7	0.6	0.6	0.7	0.6	0.6	2.4	2.4	2.3	2.4	2.5
60 & Over	4.3	4.3	8.1	5.4	4.9	4.7	2.5	2.4	2.6	2.5	2.4
Not Stated	2.8	2.5	1.8	0.8	0.7	1.1	1.1	1.3	1.6	2.3	2.1

Source: Central Provident Fund Board

3.14 CONTRIBUTORS TO THE CENTRAL PROVIDENT FUND BY WAGE LEVEL
(End of Period)

Monthly Wage Level (\$)	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Thousand											
Total	535.7	609.3	622.5	647.4	677.8	713.6	779.4	832.9	863.6	917.9	927.5
Below 100	55.6	46.0	27.3	24.0	23.0	22.5	23.9	20.4	12.4	9.6	7.9
100 - 199	194.7	195.9	130.5	117.5	110.4	103.2	86.1	66.9	51.3	39.9	60.8
200 - 299	108.8	138.5	161.0	162.1	175.0	185.3	203.8	184.1	135.9	115.4	81.7
300 - 399	59.0	72.0	85.0	93.1	101.7	109.9	117.1	138.3	165.8	134.2	108.2
400 - 499	39.6	46.7	57.7	62.2	68.3	74.9	82.6	96.0	100.2	129.7	119.1
500 - 599	19.6	30.4	41.8	47.4	50.0	52.7	60.6	73.5	85.8	88.6	91.8
600 - 799	22.2	30.3	45.2	55.6	57.7	63.2	77.9	93.9	107.7	127.4	129.4
800 - 999	12.1	15.5	21.3	25.8	29.0	32.7	40.8	51.6	64.2	79.0	89.2
1,000 - 1,999	7.0	10.2	13.7	15.8	16.3	18.2	22.9	29.4	37.8	51.4	56.7
1,200 - 1,499	3.3	7.4	11.1	14.0	15.4	17.4	21.0	25.2	31.0	43.8	56.8
1,500 - 1,999	5.3	8.5	16.3	21.0	13.2	15.1	16.6	22.6	30.4	40.4	47.0
2,000 - 2,499							8.1	9.6	10.9	17.7	24.1
2,500 - 2,999							4.0	5.0	6.5	9.1	13.1
3,000 & Over							6.8	8.7	12.4	18.3	27.3
Not Stated	6.5	7.9	11.6	8.9	6.7	6.0	7.2	7.7	11.3	13.4	14.4
Per Cent											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Below 100	10.4	7.6	4.4	3.7	3.4	3.1	3.1	2.5	1.4	1.0	0.9
100 - 199	36.3	32.1	21.0	18.1	16.3	14.5	11.0	8.0	6.0	4.4	6.6
200 - 299	20.3	22.7	25.9	25.0	25.8	26.0	26.2	22.1	15.7	12.6	8.8
300 - 399	11.0	11.8	13.6	14.4	15.0	15.4	15.0	16.6	19.2	14.6	11.7
400 - 499	7.4	7.7	9.3	9.6	10.1	10.5	10.6	11.5	11.6	14.1	12.8
500 - 599	3.7	5.0	6.7	7.3	7.4	7.4	7.8	8.8	9.9	9.6	9.9
600 - 799	4.1	5.0	7.3	8.6	8.5	8.9	10.0	11.3	12.5	13.9	13.9
800 - 999	2.3	2.5	3.4	4.0	4.3	4.6	5.2	6.2	7.4	8.6	9.6
1,000 - 1,999	1.3	1.7	2.2	2.4	2.4	2.5	2.9	3.5	4.4	5.6	6.1
1,200 - 1,499	1.0	1.2	1.8	2.2	2.3	2.4	2.7	3.0	3.6	4.8	6.1
1,500 - 1,999	1.0	1.4	2.6	3.3	1.9	2.1	2.1	2.7	3.5	4.4	5.1
2,000 - 2,499							1.1	1.2	1.3	1.9	2.6
2,500 - 2,999							0.5	0.6	0.8	1.0	1.4
3,000 & Over							0.9	1.1	1.4	2.0	2.9
Not Stated	1.2	1.3	1.8	1.4	1.0	0.8	0.9	0.9	1.3	1.5	1.6

Source: Central Provident Fund Board

3.15 CENTRAL PROVIDENT FUND CONTRIBUTORS BY INDUSTRY
(End of Period)

Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Thousand											
All Industries	535.7	609.3	622.5	647.4	677.8	713.6	779.4	832.9	863.6	917.9	927.5
Agriculture & Fishing	1.3	1.4	1.5	1.3	1.6	1.6	1.8	2.0	2.0	2.2	2.3
Quarrying	1.2	1.0	1.0	1.0	1.1	1.1	1.1	1.0	1.2	1.6	1.6
Manufacturing	176.7	210.1	200.0	196.9	217.0	230.4	259.1	280.7	284.2	292.2	274.6
Utilities	7.7	8.2	8.2	9.1	9.2	9.1	8.9	8.8	8.2	7.9	7.8
Construction	20.3	26.1	25.5	26.9	26.6	25.4	26.7	27.5	29.3	37.6	43.0
Trade	103.1	119.6	125.9	130.7	139.5	149.8	166.3	179.1	187.9	203.5	212.7
Transport & Communication	53.2	60.5	68.9	73.0	72.4	78.4	87.5	92.2	95.2	98.6	98.0
Financial & Business Services	42.6	49.3	52.3	58.4	61.5	65.1	69.9	77.4	84.3	95.1	102.1
Other Services	126.5	130.6	138.5	144.0	145.6	151.9	157.0	162.5	165.8	170.3	175.3
Activities Not Adequately Defined	3.1	2.5	0.7	6.1	3.3	0.8	1.1	1.7	5.5	8.9	10.1
Per Cent											
All Industries	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Agriculture & Fishing	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
Quarrying	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2
Manufacturing	33.0	34.5	32.1	30.4	32.0	32.3	33.3	33.7	32.9	31.8	29.6
Utilities	1.4	1.4	1.3	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.8
Construction	3.8	4.3	4.1	4.2	3.9	3.6	3.4	3.3	3.4	4.1	4.6
Trade	19.3	19.6	20.2	20.2	20.6	21.0	21.3	21.5	21.8	22.2	22.9
Transport & Communication	9.9	9.9	11.1	11.3	10.7	11.0	11.2	11.1	11.0	10.7	10.6
Financial & Business Services	8.0	8.1	8.4	9.0	9.1	9.1	9.0	9.3	9.8	10.4	11.0
Other Services	23.6	21.4	22.3	22.2	21.5	21.3	20.2	19.5	19.2	18.5	18.9
Activities Not Adequately Defined	0.6	0.4	0.1	0.9	0.5	0.1	0.1	0.2	0.6	1.0	1.1

Note: The CPF scheme was extended in April 1972 to employees in the civil service.

Source: Central Provident Fund Board

3.16 CENTRAL PROVIDENT FUND MEMBERS BY AGE GROUP
(End of Period)

Age Group (Years)	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Thousand											
Total	855.3	962.0	1,041.6	1,104.4	1,177.5	1,251.1	1,340.8	1,435.6	1,518.7	1,649.7	1,725.3
Under 15	2.9	3.0	1.8	1.7	2.6	2.6	3.1	3.1	2.8	2.0	1.3
15 - 19	123.8	142.5	142.6	141.7	147.8	152.4	163.7	172.7	174.2	177.0	164.8
20 - 24	200.6	232.1	246.2	270.6	286.2	297.0	308.4	322.5	333.5	357.2	367.5
25 - 29	127.8	152.9	175.3	208.2	226.5	244.3	264.5	286.7	305.0	334.9	353.2
30 - 34	103.8	110.3	109.5	110.3	123.5	146.4	168.5	197.2	227.3	252.1	271.4
35 - 39	78.1	87.2	95.0	103.7	112.5	116.6	121.4	123.1	121.3	138.3	163.2
40 - 44	64.0	67.7	70.6	77.8	82.6	86.5	94.9	105.2	112.2	123.8	128.0
45 - 49	49.7	54.4	57.9	63.2	66.5	69.5	72.8	77.1	82.4	88.7	92.9
50 - 54	38.6	40.8	42.3	45.2	48.3	51.7	56.0	60.6	64.0	68.3	71.4
55 & Over	46.3	51.1	82.5	59.0	61.7	64.8	66.3	69.6	77.3	82.0	86.6
Not Stated	19.7	20.0	17.9	23.0	19.3	19.3	21.2	17.8	18.7	25.4	25.0
Per Cent											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 15	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
15 - 19	14.5	14.8	13.7	12.8	12.6	12.2	12.2	12.0	11.4	10.7	9.6
20 - 24	23.5	24.1	23.6	24.5	24.3	23.8	23.0	22.5	22.0	21.7	21.3
25 - 29	14.9	15.9	16.8	18.9	19.2	19.5	19.7	20.0	20.1	20.3	20.5
30 - 34	12.1	11.5	10.5	10.0	10.5	11.7	12.6	13.7	15.0	15.3	15.7
35 - 39	9.1	9.1	9.1	9.4	9.6	9.3	9.1	8.6	8.0	8.4	9.5
40 - 44	7.5	7.0	6.8	7.0	7.0	6.9	7.1	7.3	7.4	7.5	7.4
45 - 49	5.8	5.7	5.6	5.7	5.7	5.6	5.4	5.4	5.4	5.4	5.4
50 - 54	4.5	4.2	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.1	4.1
55 & Over	5.4	5.3	7.9	5.3	5.2	5.2	4.9	4.9	5.1	5.0	5.0
Not Stated	2.3	2.1	1.7	2.1	1.6	1.5	1.6	1.2	1.2	1.5	1.4

Note: Data refer to all persons on the Central Provident Fund Board register.

Source: Central Provident Fund Board

3.17 CENTRAL PROVIDENT FUND MEMBERS BY BALANCES
(End of Period)

Balance (\$)	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	Thousand										
Total	855.3	962.0	1,041.6	1,104.4	1,177.5	1,251.1	1,340.8	1,435.6	1,518.7	1,649.7	1,725.3
Below 200	304.9	293.5	268.0	259.9	262.5	266.8	275.8	267.6	259.5	267.9	244.8
200 - 399	131.0	125.3	117.0	106.3	110.5	112.9	116.0	110.4	104.0	115.5	112.8
400 - 599	73.9	90.1	83.6	74.1	73.5	75.1	78.2	79.1	72.2	76.0	75.0
600 - 799	47.7	67.7	65.9	60.8	57.5	59.8	61.7	63.3	58.1	58.4	58.8
800 - 999	33.8	47.4	55.4	50.8	48.0	49.6	51.5	53.2	49.7	48.7	47.6
1,000 - 1,999	96.7	121.6	162.9	173.0	172.1	168.9	179.0	188.0	184.6	172.3	168.3
2,000 - 2,999	52.2	63.4	78.7	99.3	104.9	110.5	113.8	123.5	131.4	124.6	116.1
3,000 - 3,999	28.9	37.4	51.0	61.0	73.5	76.8	82.1	89.6	100.0	102.5	94.1
4,000 - 5,999	33.2	43.0	57.2	75.1	89.7	103.9	110.3	123.7	139.3	156.5	148.6
6,000 - 7,999	18.2	23.5	31.9	43.4	52.2	61.3	72.4	80.3	93.5	109.1	117.5
8,000 - 9,999	10.1	14.3	19.5	27.2	34.4	39.6	46.3	57.6	65.8	79.4	91.7
10,000 - 19,999	} 24.7	} 34.8	} 50.5	50.1	66.3	82.7	97.0	122.2	154.4	193.9	242.5
20,000 - 29,999				13.4	16.9	21.6	27.4	37.0	50.7	67.0	94.4
30,000 & Over				10.0	15.5	21.6	29.3	40.1	55.5	77.9	113.1
	Per Cent										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Below 200	35.6	30.5	25.7	23.5	22.3	21.3	20.6	18.6	17.1	16.2	14.2
200 - 399	15.3	13.0	11.2	9.6	9.4	9.0	8.7	7.7	6.8	7.0	6.5
400 - 599	8.6	9.4	8.0	6.7	6.3	6.0	5.8	5.5	4.8	4.6	4.3
600 - 799	5.6	7.0	6.3	5.5	4.9	4.8	4.6	4.4	3.8	3.5	3.4
800 - 999	4.0	4.9	5.3	4.6	4.1	4.0	3.8	3.7	3.3	3.0	2.8
1,000 - 1,999	11.3	12.6	15.6	15.7	14.6	13.5	13.3	13.1	12.2	10.4	9.8
2,000 - 2,999	6.1	6.6	7.6	9.0	8.9	8.8	8.5	8.6	8.7	7.6	6.7
3,000 - 3,999	3.4	3.9	4.9	5.5	6.2	6.1	6.1	6.3	6.6	6.2	5.4
4,000 - 5,999	3.9	4.5	5.5	6.8	7.6	8.3	8.2	8.6	9.2	9.5	8.6
6,000 - 7,999	2.1	2.5	3.1	3.9	4.4	4.9	5.4	5.6	6.1	6.6	6.8
8,000 - 9,999	1.2	1.5	1.9	2.5	2.9	3.2	3.5	4.0	4.3	4.8	5.3
10,000 - 19,999	} 2.9	} 3.6	} 4.9	4.5	5.6	6.6	7.2	8.5	10.2	11.8	14.1
20,000 - 29,999				1.2	1.5	1.7	2.0	2.6	3.3	4.1	5.5
30,000 & Over				1.0	1.3	1.8	2.3	2.8	3.6	4.7	6.6

Source: Central Provident Fund Board

3.18 PARTICIPANTS IN TRAINING COURSES FOR MANAGEMENT AND SUPERVISORS, 1981 AND 1982

Persons

	Diploma/Certificate Courses				Short Courses				Seminar/Workshops	
	Enrolled		Completed		Enrolled		Completed		Participated	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
Total	443	1,049	174	342	5,063	6,369	4,496	5,277	684	1,174
Management	249	742	45	139	-	534	-	508	222	856
Supervisory Development ¹	-	-	-	15	1,977	3,346	1,977	3,136	-	-
Computer Training ¹	130	214	77	168	661	1,182	294	500	286	131
Industrial Engineering	-	-	-	-	1,198	92	1,191	118	114	65
Occupational Safety & Health	64	93	52	20	1,227	1,215	1,034	1,015	62	122

¹ Figures on those who completed the Diploma/Certificate Courses refer to those who have completed all the modules of the training programme, while those who are still attending the course are shown under Short Courses.

Source: National Productivity Board

3.19 PARTICIPANTS IN COURSES IN LABOUR-MANAGEMENT RELATIONS, 1981 AND 1982

Persons

	Courses				Seminar/Workshops	
	Enrolled		Completed		Participated	
	1981	1982	1981	1982	1981	1982
Total	302	1,378	302	1,352	868	6,287
Performance Appraisal	140	150	140	149	468	1,187
Quality Control Circle	149	1,117	149	1,117	400	4,933
Joint Labour-Management Consultation	13	111	13	86	-	167

Source: National Productivity Board

3.20 QUALITY CONTROL CIRCLES, 1982 AND 1983

Number

	1982					1983
	Total	Feb-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
Registered Quality Control Circles	354	132	89	90	43	525
Organisations (Companies & Government Bodies)	44	24	8	8	4	29
Membership	2,682	964	689	711	318	3,821

Source: National Productivity Board

3.21 TRADE UNIONS AND MEMBERSHIP

Number

Year	Employee Class		Employer Class	
	Unions	Members	Unions	Members
1972	97	166,988	52	6,557
1973	92	191,481	51	6,644
1974	90	203,561	51	6,508
1975	89	208,561	51	6,822
1976	91	221,936	51	6,852
1977	90	229,056	51	6,961
1978	89	236,907	50	6,775
1979	85	249,710	50	6,798
1980	83	243,841	49	6,816
1981	86	224,362	47	6,798
1982	89	214,337	45	7,008

Source: Ministry of Labour

3.22 INDUSTRIAL STOPPAGES AND TRADE DISPUTES

Year	Industrial Stoppages			Trade Disputes ¹
	Number	Workers Involved	Man-days Lost	Number
1972	10	3,168	18,233	1,140
1973	5	1,312	2,295	997
1974	10	1,901	5,380	1,091
1975	7	1,865	4,853	709
1976	4	1,576	3,193	694
1977	1	406	1,011	640
1978	-	-	-	548
1979	-	-	-	577
1980	-	-	-	484
1981	-	-	-	392
1982	-	-	-	311

¹ Figures from 1979 onwards exclude disputes on refusal to negotiate and union recognition.

Source: Ministry of Labour

4. NATIONAL INCOME AND BALANCE OF PAYMENTS

National Accounts

The output and expenditure approaches are adopted for compiling national income aggregates of Singapore. The compilation followed closely the concepts, definitions and methodology given in the United Nations' publication "A System of National Accounts, 1968".

The development of the Singapore economy depends heavily on foreign capital, foreign technology and foreign workers. Consequently a large share of the compensation of employees and of the operating surplus as well as the consumption of fixed capital of establishments as recorded in national accounts, accrues to foreigners and foreign enterprises.

As such, per capita GNP as conventionally defined on a residential basis is not a true reflection of

the income of Singaporeans. Hence a new series on indigenous per capita GNP which excludes the foreigners' contribution was compiled. This involves the calculation of income accruing to foreign workers and foreign enterprises which are residents of Singapore and the exclusion of this amount from the GDP. The indigenous per capita GNP for the years 1973 and 1974 were evaluated and accepted by the International Monetary Fund (IMF) and used as the basis for classifying Singapore as a developing country.

Definitions:

Gross National Product - The aggregate value of output produced by productive factors owned by Singapore residents irrespective of whether they are located within Singapore's geographical boundary or abroad.

Indigenous Gross National Product - The aggregate value of output produced by Singaporeans.

Gross Domestic Product - The aggregate value of output produced within the domestic territory of Singapore.

Expenditure on Gross Domestic Product - The sum of private consumption expenditure of households including non-profit making institutions, government consumption expenditure, gross domestic capital formation and net exports to rest of the world.

Output and Expenditure GDP Deflators - The ratios of current price estimates to the corresponding estimates at 1968 prices. They measure implicitly

the price changes in the current price aggregates.

GNP, GDP and expenditure on GDP are valued at market prices, that is, they are valued at the actual transacted prices and included customs and excise duties and other indirect taxes levied but exclude government grants and subsidies.

Balance of Payments

Singapore's balance of payments records all economic transactions between residents of Singapore and residents of the rest of the world (non-residents). The methods used in the compilation are based on the principles recommended in the Balance of Payments Manual published by the International Monetary Fund (IMF). The estimates are compiled mainly from trade and shipping

statistics, data obtained from regular surveys of companies, administrative records of government departments and statutory authorities.

Transactions entered into Singapore's balance of payments are classified under three main categories, viz:

- (a) Transactions in goods and services such as exports and imports of merchandise, receipts from services rendered to or payments for services received from non-residents;
- (b) Unrequited transfers which record private remittances to and from abroad as well as government receipts of grants from and payments of pensions and compensation to non-residents;
- (c) Private and official financial transactions involving

changes in Singapore's foreign assets and liabilities.

Transactions in goods and services and unrequited transfers which are related to Singapore's current income and expenditure are grouped in the current account, whereas private and official financial transactions which affect Singapore's claims on and liabilities to non-residents are classified in the capital account.

As a result of improvements made in the system of data collection and the availability of supplementary data, the estimates for some transactions in the current account from 1974 onwards were revised during the year. Data for earlier years were, however, not revised or retrospective data were not available. The studies to improve the compilation of the balance of payments estimates are still continuing and the estimates will be revised accordingly as and when appropriate.

4.1 INDIGENOUS GROSS NATIONAL PRODUCT
(At Current Market Prices)

Million Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
Total Gross Domestic Product	8,156	10,205	12,543	13,373	14,575	15,969	17,751	20,452	24,200	28,369	31,348
Share of Resident Foreigners & Resident Foreign Companies in GDP	1,516	2,090	2,990	3,059	3,289	3,431	4,616	5,746	6,823	7,494	8,264
Indigenous GDP	6,640	8,115	9,553	10,314	11,286	12,538	13,135	14,706	17,377	20,875	23,084
Net Factor Receipts of Singa- poreans from Rest of the World	244	294	413	747	711	743	911	1,287	1,373	1,656	1,785
Indigenous GNP	6,884	8,409	9,966	11,061	11,997	13,281	14,046	15,993	18,750	22,531	24,869
Per Capita Indigenous GNP (S\$)	3,206	3,849	4,491	4,889	5,231	5,712	5,968	6,710	7,768	9,222	10,061

4.2 OUTPUT, SAVING AND INVESTMENT
(At Current Market Prices)

Million Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
Gross National Product											
Gross National Product at Market Prices	8,135.2	9,981.2	12,192.6	13,496.5	14,493.9	15,781.6	17,707.6	20,373.4	23,228.6	27,372.1	30,379.2
Gross Domestic Product at Factor Cost	7,523.9	9,437.8	11,738.2	12,507.2	13,586.2	14,846.7	16,474.9	18,904.9	22,381.7	26,196.3	28,906.7
Indirect Taxes	631.9	767.3	805.0	865.8	989.0	1,122.2	1,275.7	1,547.4	1,818.8	2,172.7	2,441.7
Net Factor Income from Abroad	-20.6	-223.9	-350.6	123.5	-81.3	-187.3	-43.0	-78.9	-971.9	-996.9	-969.2
Generation of Gross National Saving											
Gross National Saving	1,962.0	2,725.0	3,102.4	3,850.9	4,441.2	4,904.4	5,649.0	6,946.6	7,641.8	9,816.4	11,700.8
Gross Domestic Saving	1,976.2	2,959.0	3,548.1	3,819.7	4,643.6	5,200.0	5,780.4	7,101.6	8,723.0	10,943.3	12,854.1
Gross Domestic Product at Market Prices	8,155.8	10,205.1	12,543.2	13,373.0	14,575.2	15,968.9	17,750.6	20,452.3	24,200.5	28,369.0	31,348.4
Less: Private & Government Consumption Expenditure	6,061.4	7,457.8	8,956.0	9,543.7	10,147.4	10,984.9	12,113.8	13,278.8	15,334.4	17,274.2	18,858.0
Statistical Discrepancy	-118.2	211.7	-39.1	-9.6	215.8	216.0	143.6	-71.9	-143.1	-151.5	363.7
Net Factor Income from Abroad	-20.6	-223.9	-350.6	123.5	-81.3	-187.3	-43.0	-78.9	-971.9	-996.9	-969.2
Net Transfers from Abroad	6.4	-10.1	-95.1	-92.3	-121.1	-108.3	-88.4	-76.1	-109.3	-130.0	-184.1
Finance of Gross Domestic Capital Formation											
Gross Domestic Capital Formation	3,354.4	4,000.0	5,592.0	5,236.1	5,843.0	5,624.2	6,678.0	8,546.7	10,991.1	12,736.9	14,438.0
Gross National Saving	1,962.0	2,725.0	3,102.4	3,850.9	4,441.2	4,904.4	5,649.0	6,946.6	7,641.8	9,816.4	11,700.8
Net Borrowing from Abroad	1,392.4	1,275.0	2,489.6	1,385.2	1,401.8	719.8	1,029.0	1,600.1	3,349.3	2,920.5	2,737.2

4.3 GROSS DOMESTIC PRODUCT BY INDUSTRY

Million Dollars

Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
At Current Market Prices											
Total	8,155.8	10,205.1	12,543.2	13,373.0	14,575.2	15,968.9	17,750.6	20,452.3	24,200.5	28,369.0	31,348.4
Agriculture & Fishing	160.6	214.3	229.9	254.2	256.8	283.1	273.7	295.2	320.3	355.1	348.7
Quarrying	28.5	28.8	33.6	47.1	56.2	49.1	38.4	42.9	81.8	104.6	138.7
Manufacturing	1,853.5	2,429.0	3,084.6	3,226.2	3,611.5	4,020.7	4,620.9	5,766.7	6,919.3	8,354.4	8,204.9
Utilities	185.0	218.2	231.6	250.2	273.7	291.9	351.5	424.7	557.8	484.9	520.4
Construction	692.0	725.9	929.3	1,084.0	1,205.1	1,200.3	1,122.2	1,242.6	1,560.8	2,053.8	2,879.7
Trade	2,067.2	2,771.8	3,588.3	3,608.0	3,815.2	4,232.1	4,631.0	5,135.9	5,730.0	6,212.4	6,621.8
Transport & Communication	924.8	1,127.9	1,338.0	1,517.6	1,795.5	2,123.6	2,616.8	2,920.3	3,436.7	3,858.7	4,116.3
Financial & Business Services	1,232.3	1,553.5	1,882.0	2,123.7	2,233.0	2,349.9	2,581.6	3,144.4	4,182.9	5,520.2	6,770.6
Other Services	971.3	1,125.8	1,392.2	1,576.1	1,679.4	1,746.8	1,911.9	2,149.1	2,443.2	2,832.6	3,534.3
Less: Imputed Bank Service Charge	155.1	228.5	389.4	542.2	611.6	632.7	737.6	1,039.2	1,459.1	1,835.6	2,268.5
Add: Import Duties	195.7	238.4	223.1	228.1	260.4	304.1	340.2	369.7	426.8	427.9	481.5
At 1968 Market Prices											
Total	7,119.7	7,941.3	8,445.2	8,790.3	9,447.4	10,193.2	11,074.0	12,114.1	13,366.5	14,695.2	15,626.9
Agriculture & Fishing	153.9	145.8	135.5	139.9	154.9	156.5	155.4	160.7	163.9	165.4	160.8
Quarrying	26.0	26.0	29.4	39.2	43.1	42.0	36.4	41.5	44.7	58.3	73.6
Manufacturing	1,583.9	1,841.2	1,910.6	1,879.5	2,084.6	2,261.4	2,507.1	2,873.3	3,215.9	3,531.5	3,365.3
Utilities	181.0	200.0	208.5	223.3	244.4	276.1	326.1	355.8	381.1	407.6	422.7
Construction	474.0	432.9	459.4	533.9	591.3	578.4	536.1	575.0	632.9	745.3	1,015.6
Trade	1,896.0	2,117.9	2,342.5	2,372.6	2,450.8	2,642.9	2,827.5	3,035.6	3,261.0	3,458.6	3,628.3
Transport & Communication	858.8	1,041.3	1,123.8	1,230.7	1,399.3	1,629.9	1,885.3	2,149.3	2,445.5	2,788.4	3,044.3
Financial & Business Services	1,024.1	1,184.5	1,328.1	1,491.4	1,573.2	1,651.9	1,769.7	1,988.7	2,408.4	2,852.5	3,240.4
Other Services	889.5	960.2	1,036.7	1,115.6	1,171.7	1,208.2	1,305.6	1,384.2	1,468.5	1,569.2	1,728.6
Less: Imputed Bank Service Charge	147.4	197.8	288.2	387.4	429.5	435.7	471.3	660.9	893.6	1,110.3	1,309.9
Add: Import Duties	179.9	189.3	158.9	151.6	163.6	181.6	196.1	210.9	238.2	228.7	257.2

4.4 QUARTERLY GROSS DOMESTIC PRODUCT BY INDUSTRY
(At 1968 Market Prices)

Million Dollars

Period	Total	Agriculture & Fishing	Quarrying	Manufacturing	Utilities	Construction	Trade	Transport & Communication	Financial & Business Services	Other Services	Less Imputed Bank Service Charge	Add Import Duties
1977												
1st Quarter	2,433.1	38.6	11.3	518.6	62.8	138.8	626.1	386.2	402.8	305.1	104.9	47.7
2nd Quarter	2,482.6	38.3	11.6	562.7	69.3	146.4	640.1	376.1	409.2	295.8	108.1	41.2
3rd Quarter	2,595.5	39.1	9.7	577.9	72.1	148.9	672.7	418.2	417.2	304.0	110.3	46.0
4th Quarter	2,682.0	40.5	9.4	602.2	71.9	144.3	704.0	449.4	422.7	303.3	112.4	46.7
1978												
1st Quarter	2,621.0	38.2	8.3	567.8	74.6	127.4	671.5	443.4	418.2	325.4	105.4	51.6
2nd Quarter	2,657.9	38.1	9.0	605.2	79.5	133.5	669.9	444.7	432.9	316.0	113.3	42.4
3rd Quarter	2,851.8	38.4	9.6	649.2	85.0	132.2	731.4	490.8	458.6	327.1	121.1	50.6
4th Quarter	2,943.3	40.7	9.5	684.9	87.0	143.0	754.7	506.4	460.0	337.1	131.5	51.5
1979												
1st Quarter	2,852.9	38.6	9.2	649.7	84.0	132.8	719.1	495.8	481.1	347.5	155.5	50.6
2nd Quarter	2,948.3	39.4	10.7	708.6	87.9	145.6	723.2	518.1	492.2	339.6	162.2	45.2
3rd Quarter	3,080.9	39.7	10.9	733.2	91.4	142.1	780.0	551.5	493.5	347.9	163.8	54.5
4th Quarter	3,232.0	43.0	10.7	781.8	92.5	154.5	813.3	583.9	521.9	349.2	179.4	60.6
1980												
1st Quarter	3,178.6	39.8	9.1	738.9	89.9	148.4	770.3	584.1	574.8	367.6	207.7	63.4
2nd Quarter	3,256.9	40.2	10.8	802.0	94.9	158.9	782.3	589.7	589.3	358.5	221.6	51.9
3rd Quarter	3,411.3	40.8	11.8	823.5	98.0	157.3	832.6	639.1	610.2	366.0	228.4	60.4
4th Quarter	3,519.7	43.1	13.0	851.5	98.3	168.3	875.8	632.6	634.1	376.4	235.9	62.5
1981												
1st Quarter	3,480.2	42.1	13.7	810.4	94.6	159.1	827.6	654.6	678.2	390.7	255.6	64.8
2nd Quarter	3,605.0	39.9	14.1	902.4	101.8	174.6	827.1	676.3	700.8	382.2	263.4	49.2
3rd Quarter	3,765.7	41.1	14.2	913.5	106.0	190.1	880.7	725.2	729.4	389.7	278.1	53.9
4th Quarter	3,844.3	42.3	16.3	905.2	105.2	221.5	923.2	732.3	744.1	406.6	313.2	60.8
1982*												
1st Quarter	3,763.4	41.0	15.4	837.6	98.4	214.7	878.5	736.9	762.4	421.0	308.3	65.8
2nd Quarter	3,832.4	39.0	16.7	865.4	106.0	244.5	862.9	755.3	797.5	421.7	333.2	56.6
3rd Quarter	3,962.7	39.8	20.0	845.8	109.4	266.4	920.5	778.1	821.4	434.3	336.1	63.1
4th Quarter	4,068.4	41.0	21.5	816.5	108.9	290.0	966.4	774.0	859.1	451.6	332.3	71.7

4.5 GROSS DOMESTIC PRODUCT DEFLATORS BY INDUSTRY
(1968 = 100)

Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
Total	114.6	128.5	148.5	152.1	154.3	156.7	160.3	168.8	181.1	193.0	200.6
Agriculture & Fishing	104.4	147.0	169.7	181.7	165.8	180.9	176.1	183.7	195.4	214.7	216.9
Quarrying	109.6	110.8	114.3	120.2	130.4	116.9	105.5	103.4	183.0	179.4	188.5
Manufacturing	117.0	131.9	161.4	171.7	173.2	177.8	184.3	200.7	215.2	236.6	243.8
Utilities	102.2	109.1	111.1	112.0	112.0	105.7	107.8	119.4	146.4	119.0	123.1
Construction	146.0	167.7	202.3	203.0	203.8	207.5	209.3	216.1	246.6	275.6	283.5
Trade	109.0	130.9	153.2	152.1	155.7	160.1	163.8	169.2	175.7	179.6	182.5
Transport & Communication	107.7	108.3	119.1	123.3	128.3	130.3	138.8	135.9	140.5	138.4	135.2
Financial & Business Services	120.3	131.2	141.7	142.4	141.9	142.3	145.9	158.1	173.7	193.5	208.9
Other Services	109.2	117.2	134.3	141.3	143.3	144.6	146.4	155.3	166.4	180.5	204.5

4.6 EXPENDITURE ON GROSS DOMESTIC PRODUCT

Million Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
	At Current Market Prices										
Total	8,155.8	10,205.1	12,543.2	13,373.0	14,575.2	15,968.9	17,750.6	20,452.3	24,200.5	28,369.0	31,348.4
Private Consumption Expenditure	5,071.2	6,340.1	7,657.6	8,120.7	8,605.9	9,268.6	10,149.1	11,245.2	12,887.0	14,485.6	15,340.3
Government Consumption Expenditure	990.2	1,117.7	1,298.4	1,423.0	1,541.5	1,716.3	1,964.7	2,033.6	2,447.4	2,788.6	3,517.7
Gross Domestic Fixed Capital Formation	3,054.3	3,561.1	4,694.8	4,698.4	5,149.1	5,282.8	6,085.7	7,166.4	9,566.6	11,987.6	14,872.1
Increase in Stocks	300.1	438.9	897.2	537.7	693.9	341.4	592.3	1,380.3	1,424.5	749.3	-434.1
Less: Net Imports of Goods & Services	1,378.2	1,041.0	2,043.9	1,416.4	1,199.4	424.2	897.6	1,445.1	2,268.1	1,793.6	1,583.9
Statistical Discrepancy	118.2	-211.7	39.1	9.6	-215.8	-216.0	-143.6	71.9	143.1	151.5	-363.7
	At 1968 Market Prices										
Total	7,119.7	7,941.3	8,445.2	8,790.3	9,447.4	10,193.2	11,074.0	12,114.1	13,366.5	14,695.2	15,626.9
Private Consumption Expenditure	4,722.6	5,100.0	5,436.1	5,599.2	5,895.9	6,220.2	6,636.1	7,101.5	7,648.2	8,183.9	8,535.8
Government Consumption Expenditure	891.2	940.1	941.1	966.9	1,015.3	1,108.9	1,236.5	1,218.7	1,337.9	1,408.4	1,528.8
Gross Domestic Fixed Capital Formation	2,411.3	2,614.5	2,884.1	2,766.3	2,908.6	2,952.2	3,333.0	3,740.9	4,494.1	5,204.0	6,459.0
Increase in Stocks	191.1	181.7	483.6	304.9	379.1	178.4	304.8	605.0	518.4	277.3	-161.9
Less: Net Imports of Goods & Services	1,241.6	828.2	1,336.5	920.5	704.8	305.5	521.7	570.8	605.6	363.9	699.0
Statistical Discrepancy	145.1	-66.8	36.8	73.5	-46.7	39.0	85.3	18.8	-26.5	-14.5	-35.8

4.7 DEFLATORS OF EXPENDITURE ON GROSS DOMESTIC PRODUCT
(1968 = 100)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
Total	114.6	128.5	148.5	152.1	154.3	156.7	160.3	168.8	181.1	193.0	200.6
Private Consumption Expenditure	107.4	124.3	140.9	145.0	146.0	149.0	152.9	158.3	168.5	177.0	179.7
Government Consumption Expenditure	111.1	118.9	138.0	147.2	151.8	154.8	158.9	166.9	182.9	198.0	230.1
Gross Domestic Fixed Capital Formation	126.7	136.2	162.8	169.8	177.0	178.9	182.6	191.6	212.9	230.4	230.3
Exports of Goods & Services	111.0	125.7	177.4	178.9	190.9	198.6	202.5	225.2	259.1	274.4	274.8
Imports of Goods & Services	111.0	125.7	174.9	177.0	188.9	197.4	201.6	226.0	262.1	277.7	273.5

4.8 PRIVATE CONSUMPTION EXPENDITURE

Million Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
	At Current Market Prices										
Total	5,071.2	6,340.1	7,657.6	8,120.7	8,605.9	9,268.6	10,149.1	11,245.2	12,887.0	14,485.6	15,340.3
Food & Beverages	1,647.8	2,144.0	2,495.5	2,648.8	2,733.7	2,967.0	3,163.4	3,476.6	3,997.5	4,561.8	4,881.1
Clothing & Footwear	524.9	718.2	783.2	748.2	809.2	877.2	979.9	1,117.0	1,275.8	1,467.2	1,584.7
Rent & Utilities	630.6	694.6	815.9	920.5	1,007.4	1,067.6	1,129.9	1,219.7	1,391.4	1,476.9	1,570.2
Furniture & Household Equipment	445.5	571.0	752.0	813.8	857.9	926.3	1,006.6	1,114.5	1,281.2	1,435.6	1,522.9
Medical Services	150.8	178.7	217.8	249.1	269.3	298.3	326.4	350.9	396.0	429.1	469.4
Transport & Communication	680.4	830.6	985.5	1,005.9	1,119.8	1,325.4	1,526.0	1,820.4	2,268.7	2,449.3	2,642.6
Recreation & Education	585.4	761.9	992.4	1,013.7	1,056.6	1,144.7	1,379.4	1,647.7	1,901.6	2,298.3	2,326.9
Other Goods & Services	1,024.0	1,284.3	1,589.4	1,693.7	1,805.1	1,942.9	2,205.5	2,565.0	3,001.5	3,646.6	3,794.9
Add: Residents' Expenditure Abroad	283.4	305.5	322.9	332.4	357.9	397.5	440.1	475.2	553.5	614.8	750.0
Less: Non-residents' Expenditure Locally	901.6	1,148.7	1,297.0	1,305.4	1,411.0	1,678.3	2,008.1	2,541.8	3,180.2	3,894.0	4,202.4
	At 1968 Market Prices										
Total	4,722.6	5,100.0	5,436.1	5,599.2	5,895.9	6,220.2	6,636.1	7,101.5	7,648.2	8,183.9	8,535.8
Food & Beverages	1,628.6	1,701.7	1,663.8	1,690.2	1,802.2	1,887.4	1,961.6	2,098.4	2,245.5	2,337.5	2,364.9
Clothing & Footwear	484.1	525.0	529.2	519.0	553.9	598.8	651.7	718.1	808.5	907.4	951.9
Rent & Utilities	496.9	523.6	561.4	604.3	635.6	668.2	700.8	726.7	743.2	771.2	799.7
Furniture & Household Equipment	420.1	455.4	499.4	556.6	574.1	593.0	615.0	658.0	724.5	789.6	796.7
Medical Services	141.2	155.3	162.9	172.1	182.3	201.0	211.3	220.4	233.1	239.7	250.0
Transport & Communication	630.3	728.9	744.7	732.9	786.1	919.1	1,028.1	1,180.1	1,342.6	1,402.2	1,507.4
Recreation & Education	541.0	641.5	782.0	799.6	819.8	879.2	1,007.0	1,178.1	1,335.1	1,603.5	1,712.5
Other Goods & Services	956.0	1,044.3	1,178.2	1,195.4	1,263.4	1,333.0	1,485.8	1,626.8	1,774.6	1,985.5	2,073.7
Add: Residents' Expenditure Abroad	263.9	243.2	227.3	229.2	245.2	266.8	287.8	300.1	328.5	347.3	417.3
Less: Non-residents' Expenditure Locally	839.5	918.9	912.8	900.1	966.7	1,126.3	1,313.0	1,605.2	1,887.4	2,200.0	2,338.3

4.9 GROSS DOMESTIC FIXED CAPITAL FORMATION

Million Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
	At Current Market Prices										
Total	3,054.3	3,561.1	4,694.8	4,698.4	5,149.1	5,282.8	6,085.7	7,166.4	9,566.6	11,987.6	14,872.1
Construction & Works	1,380.7	1,478.3	1,951.3	2,120.6	2,375.5	2,392.2	2,466.0	2,913.9	4,240.3	5,918.3	7,865.4
Residential Buildings	659.8	814.1	1,043.6	1,051.4	1,180.1	1,232.0	1,015.3	988.0	1,392.2	1,950.1	3,179.5
Non-residential Buildings	483.9	455.7	602.9	648.7	679.1	670.4	963.4	1,405.3	2,047.5	3,077.2	3,740.2
Other Construction & Works	237.0	208.5	304.8	420.5	516.3	489.8	487.3	520.6	800.6	891.0	945.7
Transport Equipment	444.2	684.3	894.4	733.5	1,034.7	1,269.3	1,525.9	1,955.9	2,286.4	2,266.1	2,629.2
Machinery & Equipment	1,229.4	1,398.5	1,849.1	1,844.3	1,738.9	1,621.3	2,093.8	2,296.6	3,039.9	3,803.2	4,377.5
	At 1968 Market Prices										
Total	2,411.3	2,614.5	2,884.1	2,766.3	2,908.6	2,952.2	3,333.0	3,740.9	4,494.1	5,204.0	6,459.0
Construction & Works	932.9	865.0	879.8	1,002.0	1,101.2	1,110.8	1,122.4	1,253.7	1,521.6	1,900.3	2,663.3
Residential Buildings	445.8	476.4	470.5	496.8	547.1	585.3	480.1	448.8	505.9	650.0	1,112.5
Non-residential Buildings	327.0	266.6	271.9	306.3	314.7	303.7	433.1	593.2	731.7	965.7	1,245.8
Other Construction & Works	160.1	122.0	137.4	198.9	239.4	221.8	209.2	211.7	284.0	284.6	305.0
Transport Equipment	392.4	592.5	673.0	516.2	704.3	833.1	964.1	1,147.4	1,291.1	1,265.6	1,460.3
Machinery & Equipment	1,086.0	1,157.0	1,331.3	1,248.1	1,103.1	1,008.3	1,246.5	1,339.8	1,681.4	2,038.1	2,335.4

4.10 BALANCE OF PAYMENTS

Million Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
A Goods and Services (net)	-1,398.8	-1,264.9	-2,394.5	-1,292.9	-1,280.7	-611.5	-940.6	-1,524.0	-3,240.0	-2,790.5	-2,553.1
Exports of Goods & Services	9,121.8	12,639.0	19,645.7	19,625.7	23,194.0	27,396.8	31,331.2	40,553.0	53,617.4	61,543.0	64,322.9
Merchandise incl Nonmonetary Gold	5,738.9	8,418.4	13,517.7	12,117.5	15,363.2	18,893.9	21,799.6	29,140.0	38,908.3	41,420.0	41,466.7
Freight & Insurance	110.8	168.0	250.2	240.2	351.6	480.2	655.5	910.1	1,179.7	1,387.8	1,483.5
Travel	734.5	949.8	1,087.9	1,119.2	1,266.4	1,517.9	1,843.6	2,439.0	3,068.4	3,786.4	4,099.7
Investment Income	318.1	411.5	548.6	899.6	912.7	954.8	1,199.6	1,751.8	1,864.6	2,194.8	2,360.4
Government nie	180.5	207.2	210.8	180.8	95.7	100.0	104.2	108.0	125.5	139.6	137.2
Other Transportation & Services nie	2,039.0	2,484.1	4,030.5	5,068.4	5,204.4	5,450.0	5,728.7	6,204.1	8,470.9	12,614.4	14,775.4
Imports of Goods & Services	10,520.6	13,903.9	22,040.2	20,918.6	24,474.7	28,008.3	32,271.8	42,077.0	56,857.4	64,333.5	66,876.0
Merchandise incl Nonmonetary Gold	8,796.1	11,635.6	18,919.8	17,810.2	20,858.2	23,733.3	27,493.8	35,772.0	47,964.1	54,475.8	56,388.3
Freight & Insurance	535.1	680.9	1,130.7	1,081.3	1,168.6	1,356.0	1,429.0	1,831.1	2,649.6	2,903.4	3,021.7
Travel	337.2	364.9	386.7	400.4	432.4	481.6	534.4	590.9	689.3	766.2	935.3
Investment Income	362.8	658.4	925.6	817.8	1,012.0	1,158.7	1,259.1	1,847.0	2,853.2	3,209.8	3,349.0
Government nie	9.7	11.4	12.2	15.6	18.3	23.2	18.5	26.2	29.4	36.2	68.1
Other Transportation & Services nie	479.7	552.7	665.2	793.3	985.2	1,255.5	1,537.0	2,009.8	2,671.8	2,942.1	3,113.6
Trade Balance	-3,057.2	-3,217.2	-5,402.1	-5,692.7	-5,495.0	-4,839.4	-5,694.2	-6,632.0	-9,055.8	-13,055.8	-14,921.6
Balance of Services	1,658.4	1,952.3	3,007.6	4,399.8	4,214.3	4,227.9	4,753.6	5,108.0	5,815.8	10,265.3	12,368.5
B Transfer Payments (net)	6.4	-10.1	-95.1	-92.3	-121.1	-108.3	-88.4	-76.1	-109.3	-130.0	-184.1
Private	-6.1	-34.0	-99.3	-91.4	-113.0	-99.5	-81.1	-67.3	-97.6	-105.0	-155.6
Government	12.5	23.9	4.2	-0.9	-8.1	-8.8	-7.3	-8.8	-11.7	-25.0	-28.5
Current Account Balance	-1,392.4	-1,275.0	-2,489.6	-1,385.2	-1,401.8	-719.8	-1,029.0	-1,600.1	-3,349.3	-2,920.5	-2,737.2
C Capital (net)	1,112.3	1,772.1	1,217.6	1,374.4	2,097.7	1,480.2	2,303.8	2,169.7	3,611.5	4,823.3	4,771.6
Nonmonetary Sector (net)	749.9	1,179.6	1,638.3	1,586.2	1,892.0	1,269.3	1,634.9	2,570.0	3,319.9	3,828.4	4,055.7
Private	562.7	1,153.0	1,637.2	1,565.3	1,791.3	969.8	1,622.6	2,605.1	3,352.6	3,861.2	4,087.6
Official	187.2	26.6	1.1	20.9	100.7	299.5	12.3	-35.1	-32.7	-32.8	-31.9
Monetary Sector (net)	362.4	592.5	-420.7	-211.8	205.7	210.9	668.9	-400.3	291.6	994.9	715.9
Commercial banks: Foreign Assets ¹	-212.7	-450.5	-385.5	-464.1	-855.2	-636.0	-807.6	-2,118.2	-778.4	-3,772.5	833.8
Foreign Liabilities	575.1	1,043.0	-35.2	252.3	1,060.9	846.9	1,476.5	1,717.9	1,070.0	4,767.4	-117.9
D Allocation of Special Drawing Rights	-	-	-	-	-	-	-	14.3	14.5	17.6	-
E Balancing Item	1,225.1	508.1	1,990.4	977.2	41.5	2.9	236.7	553.4	1,157.1	18.0	483.1
F Overall Balance (A+B+C+D+E)	945.0	1,005.2	718.4	966.4	737.4	763.3	1,511.5	1,137.3	1,433.8	1,938.4	2,517.5
G Official Reserves (net)¹	-945.0	-1,005.2	-718.4	-966.4	-737.4	-763.3	-1,511.5	-1,137.3	-1,433.8	-1,938.4	-2,517.5
Special Drawing Rights	-	-	-	-	-	-	-	-34.4	-8.3	-32.9	-51.9
Reserve Position in the Fund	-	-	-	-	-	-	-10.8	-23.5	-64.3	-46.9	-10.1
Foreign Exchange Assets	-945.0	-1,005.2	-718.4	-966.4	-737.4	-763.3	-1,500.7	-1,079.4	-1,361.2	-1,858.6	-2,455.5

1 Increase in assets is indicated by a minus (-) sign.

5. AGRICULTURE, LIVESTOCK AND FISHERIES

General

The agricultural sector of Singapore is engaged mainly in the production of vegetables, pig, poultry, eggs and fish. It is estimated that about 11 per cent of Singapore's total land area are used for agricultural purposes. Most of the agricultural establishments are engaged in mixed farming where cultivation of vegetables is carried out together with rearing of livestock.

Horticulture

The majority of our horticultural farms are engaged in vegetable production. The main vegetables grown include leafy vegetables such as cai xin, gai lan and weng cai and fruit vegetables such as brinjals, cucumbers and long beans. Root crops such as tapioca and sweet potatoes are also produced

in small quantities. Local farms supply some 27 per cent of the total vegetable consumption. Many farms also plant fruit trees both for shade and for production. Singapore is world renowned for her export of good quality orchids.

Livestock

Pig, poultry and egg production are the most important farming activities in Singapore which account for more than three-quarters of the total ex-farm value of primary production. Singapore is self-sufficient in hen eggs. About 88 per cent of pork and 63 per cent of poultry meat consumption are also produced by local farms. Furthermore, Singapore is also the main distribution centre of day-old chicks in the region, exporting about \$8.1 million worth of them in 1982.

Livestock are slaughtered at the abattoirs in Jurong and Kim Chuan Road under the close supervision of the Veterinary Division of the Primary Production Department.

Fisheries

Traditionally, Singapore depends on her neighbouring countries for fish supply. Local production remained rather stable in the past few years. Of 67,068 tonnes of fish consumed in 1982, 19,346 tonnes were produced locally and the rest were imported mainly from Malaysia. Local production of fish comes from inshore and offshore catches. Fishing around Singapore waters normally using non-powered boats powered with out-board engines, is classified as inshore fishing and the bulk of such

catches are from kelongs, drift nets and beach seines. Offshore fishing is mainly carried out in the South China Sea and part of the Indian Ocean. The most commonly used offshore fishing gear are otter trawls and bottom long lines for demersal fish and troll lines for pelagic fish.

Auctioning of fish is carried out mainly at the Jurong Fishing Port. A relatively small quantity of local landings are auctioned at the Kangkar Fish Market and Bedok Fisheries Centre.

Singapore is well-known for her aquarium fish production. The value of aquarium fish exported in 1982 amounted to \$30.2 million.

5.1 PRODUCTION OF PRINCIPAL CROPS

Year	Vegetables	Fruits	Sugar Cane	Rubber	Tobacco	Coconuts
	Tonnes					Million Nuts
1972	50,438	18,140	3,740	1,530	317	10
1973	38,029	18,400	2,600	1,205	417	9
1974	39,480	14,645	2,060	975	376	7
1975	38,285	14,629	1,820	864	311	7
1976	38,339	19,120	2,520	423	407	7
1977	36,460	16,253	2,370	-	576	7
1978	40,665	11,060	1,900	-	596	6
1979	37,800	9,260	1,800	-	478	6
1980	36,839	9,055	1,870	-	402	6
1981	42,861	8,065	1,570	-	133	5
1982	41,388	8,090	1,460	-	88	5

Source: Department of Primary Production

5.2 LIVESTOCK SLAUGHTERED

Number

Year	Swine	Sheep	Oxen	Buffaloes	Goats
1972	686,670	133,793	7,799	3,752	2,261
1973	628,738	80,581	1,255	519	2,257
1974	581,263	74,844	896	88	1,798
1975	586,177	90,712	1,433	222	1,424
1976	737,777	110,276	1,928	200	1,179
1977	822,381	103,804	2,085	78	1,160
1978	805,341	88,874	2,064	125	715
1979	922,312	80,971	1,459	188	701
1980	968,095	73,156	1,238	185	475
1981	936,751	55,707	1,214	170	196
1982	883,666	56,999	1,496	111	204

Source: Department of Primary Production

5.3 FRESH FISH SUPPLY AND AUCTIONED

Tonnes

Year	Supply				Fish Auctioned
	Total	Local Production ¹	Imports	Exports	
1972	62,433	14,797	53,565	5,929	61,855
1973	69,570	17,950	57,656	6,036	65,593
1974	63,443	18,556	51,057	6,170	64,200
1975	59,610	16,928	50,559	7,877	65,803
1976	60,751	15,775	53,286	8,310	65,976
1977	59,450	14,350	69,729	24,629	67,478
1978	54,017	15,634	68,781	30,398	66,883
1979	51,266	16,015	73,524	38,273	68,299
1980	47,268	15,532	80,440	48,704	74,244
1981	64,501	15,620	99,707	50,826	85,016
1982	56,939	18,830	89,104	50,995	93,430

¹ Figures exclude pond fish production.

Source: Department of Primary Production

6. INDUSTRIAL PRODUCTION

Census of Industrial Production

A census of manufacturing establishments employing ten or more workers in the private and public sectors is conducted annually by the Department of Statistics. These establishments account for over 95 per cent of all industrial activities. The census results provide comprehensive data for the study of changes in structure and trends of growth of the industrial sector.

The statistical unit used in the census is the establishment, defined as a manufacturing unit engaged in one industrial activity and generally at one location. Establishments are classified in accordance with the Singapore Standard Industrial Classification of All Economic Activities 1978 which is adapted from the International Standard Industrial Classification of All Economic Activities of the

United Nations.

The main terms used in the annual census of industrial production are defined as follows:

Workers: They include all persons engaged directly or indirectly in the industrial activity of the establishment, that is, all employees, working proprietors, and unpaid family workers. Data generally refer to number as at 30 June, except where establishments commenced operation after June.

Employees: They include (i) all workmen whether skilled, semi-skilled and unskilled, employed directly in the process of production and (ii) other workers who are paid personnel employed indirectly in the production process and include working directors, managers, supervi-

sors, and technical and clerical staff.

Working Proprietors and Unpaid Family Workers: This group includes proprietors and business partners actively engaged in the operation of the establishment and their relatives working in the establishment without regular remuneration.

Input: Value of input covers cost of materials, electricity, water, fuel (excluding fuel for vehicles) and inward transport charges.

Output: Value of output refers to the total value of all commodities and services produced at ex-factory prices.

Value Added: Value added is estimated as the value of output less that of total input (including the value of work given out).

Quarterly Index of Production

The Quarterly Index of Production of manufacturing establishments was re-based in 1980, using the weighting pattern derived from the 1978 Census of Industrial Production. Production data for the four quarters of 1978 were collected and the average was used as a comparison base for the series. The Laspeyres formula is used for the compilation of the index.

The Quarterly Index of Production covers all manufacturing activities classified under Division 3 of the Singapore Standard Classification of All Economic Activities, 1969. Granite quarrying, production of electricity and gas, and construction activity are not covered by the index.

6.1 PRINCIPAL STATISTICS OF INDUSTRIAL PRODUCTION

Year	Establishments	Workers	Input	Output	Value Added	Employees' Remuneration	Capital Expenditure	Direct Exports
	Number		Million Dollars					
1972	1,971	175,241	4,230.0	6,126.7	1,820.5	666.2	652.0	2,911.2
1973	2,117	202,713	5,967.3	8,705.6	2,606.2	881.3	791.7	4,778.8
1974	2,219	210,002	10,453.2	14,237.0	3,596.8	1,096.2	626.3	8,520.1
1975	2,424	195,001	9,479.2	13,197.4	3,463.8	1,200.9	629.9	7,609.9
1976	2,545	210,822	11,815.9	16,175.0	4,041.1	1,332.6	631.1	10,160.5
1977	2,674	222,342	13,430.9	18,293.5	4,539.6	1,494.6	756.3	11,411.5
1978	2,979	246,467	14,871.9	20,492.3	5,220.0	1,743.9	824.3	13,087.0
1979	3,156	271,917	19,314.2	26,331.0	6,523.9	2,108.0	1,429.8	16,904.0
1980	3,391	288,165	23,433.7	32,805.8	8,652.8	2,556.2	1,878.4	19,874.9
1981	3,471	284,509	26,836.0	37,694.0	9,866.9	2,971.7	2,012.7	22,893.6
1982*	3,581	274,106	25,914.2	36,266.6	9,391.6	3,163.6	..	21,876.7

Note: Establishments engaging 10 or more workers.
Data include rubber processing and granite quarrying.

6.2 SELECTED RATIOS OF PRINCIPAL MANUFACTURING STATISTICS

Year	Value Added Per Worker	Output Per Worker	Value Added to Output	Remuneration to Value Added	Remuneration to Output	Direct Exports to Total Sales	Direct Exports to Output
	Dollars		Per Cent				
1972	10,388	34,962	29.7	36.6	10.9	47.9	47.5
1973	12,856	42,945	29.9	33.8	10.1	54.9	54.9
1974	17,127	67,795	25.3	30.5	7.7	60.7	59.8
1975	17,763	67,679	26.2	34.7	9.1	58.6	57.7
1976	19,168	76,724	25.0	33.0	8.2	61.9	62.8
1977	20,417	82,277	24.8	32.9	8.2	62.8	62.4
1978	21,179	83,144	25.5	33.4	8.5	64.2	63.9
1979	23,992	96,835	24.8	32.3	8.0	64.1	64.2
1980	30,027	113,844	26.4	29.5	7.8	61.9	60.6
1981	34,681	132,488	26.2	30.1	7.9	61.1	60.7
1982*	34,263	132,309	25.9	33.7	8.7	..	60.3

Note: See notes to Table 6.1

6.3 INDUSTRIAL ESTABLISHMENTS BY INDUSTRY

Number

Industrial Code	Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
311/2	Food	229	223	225	237	234	232	254	268	278	274	277
313	Beverage	20	19	17	15	14	14	14	14	16	17	19
314	Tobacco Products	8	8	8	9	9	9	8	8	8	6	5
321	Textiles & Textile Manufactures	60	68	68	72	72	69	79	93	99	94	91
322	Wearing Apparel except Footwear	188	205	222	252	257	300	345	365	374	374	392
323	Leather & Leather Products	24	25	26	29	30	34	44	42	42	40	44
324	Footwear	46	42	35	34	38	38	48	55	55	57	61
331	Sawntimber & Other Wood Products except Furniture	164	173	156	147	133	127	134	133	131	132	132
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	49	46	51	58	63	70	94	107	117	117	118
341	Paper & Paper Products	67	68	70	74	79	80	86	94	93	95	98
342	Printing & Publishing	178	184	191	207	222	236	261	270	289	295	302
351	Industrial Chemicals & Gases	20	22	20	27	29	27	29	34	45	44	43
352	Paints, Pharmaceuticals & Other Chemical Products	77	80	79	83	86	86	88	85	89	86	86
353/4	Petroleum Refineries & Petroleum Products	9	10	11	11	11	12	11	10	10	11	11
355	Processing of Jelutong & Gum Demar	6	8	7	7	6	6	5	5	5	5	5
356	Rubber Products except Footwear & Toys	29	28	28	28	27	25	24	27	27	30	28
357	Plastic Products	84	99	107	126	137	160	175	184	195	209	215
361/2	Pottery, China, Earthenware & Glass Products	12	12	11	10	12	12	11	12	13	13	12
363	Structural Clay Products	11	11	11	12	12	12	9	9	9	9	9
364	Cement	3	3	3	4	5	5	5	5	5	5	5

6.3 INDUSTRIAL ESTABLISHMENTS BY INDUSTRY (continued)

Number

Industrial Code	Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
365	Structural Cement & Concrete Products	17	17	19	24	26	26	28	28	34	38	39
369	Non-metallic Mineral Products	19	20	21	20	21	22	23	23	28	24	23
371	Iron & Steel	13	16	16	16	15	15	15	16	17	17	16
372	Non-ferrous Metals	4	6	6	6	5	7	8	10	12	11	11
381	Fabricated Metal Products except Machinery & Equipment	174	200	210	237	244	261	305	310	338	371	383
382	Machinery except Electrical & Electronic	112	145	164	204	236	226	259	274	295	319	340
383	Electrical Machinery, Apparatus, Appliances & Supplies	61	66	82	87	99	105	115	117	119	113	116
384	Electronic Products & Components	30	41	57	63	74	90	101	141	172	185	184
385	Transport Equipment	95	109	130	157	183	202	223	216	253	261	289
386	Instrumentation Equipment, Photographic & Optical Goods	19	24	30	32	36	37	41	47	55	52	51
390	Other Manufacturing Industries	103	101	98	97	90	93	104	120	132	135	144
	TOTAL MANUFACTURING EXCLUDING RUBBER PROCESSING	1,931	2,079	2,179	2,385	2,505	2,638	2,946	3,122	3,355	3,439	3,549
	Rubber Processing	23	21	22	20	19	17	16	15	14	12	12
	TOTAL MANUFACTURING INCLUDING RUBBER PROCESSING	1,954	2,100	2,201	2,405	2,524	2,655	2,962	3,137	3,369	3,451	3,561
	Granite Quarrying	17	17	18	19	21	19	17	19	22	20	20
	TOTAL	1,971	2,117	2,219	2,424	2,545	2,674	2,979	3,156	3,391	3,471	3,581

Note : Establishments engaging 10 or more workers.

6.4 INDUSTRIAL OUTPUT BY INDUSTRY

Million Dollars

Industrial Code	Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
311/2	Food	552.0	714.9	930.2	843.5	938.0	1,219.0	1,229.8	1,452.7	1,661.5	1,692.5	1,661.4
313	Beverage	73.3	80.5	97.8	130.5	150.7	168.3	205.5	219.7	249.1	327.2	323.0
314	Tobacco Products	102.7	129.8	142.7	144.5	153.6	166.4	171.1	166.0	171.3	193.6	198.9
321	Textiles & Textile Manufactures	192.9	313.8	292.4	259.7	359.9	346.6	352.6	425.8	488.8	422.1	335.5
322	Wearing Apparel except Footwear	206.7	289.3	269.1	286.1	406.1	479.5	633.1	737.0	848.4	924.7	937.9
323	Leather & Leather Products	16.7	27.9	25.6	22.0	31.1	44.2	50.4	51.4	47.0	49.6	38.6
324	Footwear	25.9	23.7	27.2	30.3	33.9	30.8	34.7	51.5	53.6	54.9	42.0
331	Sawntimber & Other Wood Products except Furniture	261.0	466.7	358.1	311.5	422.0	437.4	550.2	796.1	749.8	641.0	530.0
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	29.0	37.9	44.3	48.7	61.3	79.1	116.9	160.9	227.5	277.1	270.4
341	Paper & Paper Products	60.6	84.9	103.6	96.8	114.8	127.3	158.7	209.2	272.7	302.2	273.2
342	Printing & Publishing	143.2	168.3	221.2	225.2	290.2	335.6	375.5	431.2	550.4	674.3	666.1
351	Industrial Chemicals & Gases	72.9	108.8	172.1	154.5	210.1	227.0	183.3	255.2	346.1	363.7	389.3
352	Paints, Pharmaceuticals & Other Chemical Products	100.4	184.3	236.7	274.8	311.9	344.9	411.1	429.9	583.3	663.4	685.3
353/4	Petroleum Refineries & Petroleum Products	1,680.2	1,967.9	5,705.5	4,753.3	6,118.8	7,022.4	7,498.3	9,308.1	11,520.5	14,453.8	14,370.3
355	Processing of Jelutong & Gum Damar	13.1	17.6	22.6	20.2	16.4	21.0	19.3	22.8	25.9	28.2	43.6
356	Rubber Products except Footwear & Toys	43.2	48.0	54.6	54.3	57.8	62.0	66.8	89.9	89.7	76.3	72.7
357	Plastic Products	60.5	108.2	130.0	120.7	160.7	204.2	277.8	380.7	498.1	519.0	503.5
361/2	Pottery, China, Earthenware & Glass Products	15.9	22.6	30.0	28.3	37.0	41.0	49.7	60.9	68.0	90.3	97.7
363	Structural Clay Products	13.2	17.2	21.8	16.2	20.2	20.4	14.2	21.3	30.7	34.9	35.5
364	Cement	58.1	74.9	127.2	157.1	161.5	165.9	179.9	225.2	277.1	347.2	426.0

6.4 INDUSTRIAL OUTPUT BY INDUSTRY (continued)

Million Dollars

Industrial Code	Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
365	Structural Cement & Concrete Products	14.4	22.1	32.7	58.2	64.4	65.3	71.2	95.5	156.5	263.9	292.5
369	Non-metallic Mineral Products	30.9	58.0	79.0	88.4	85.0	96.9	89.4	102.8	115.4	138.2	107.4
371	Iron & Steel	73.3	105.3	176.7	148.3	152.4	145.0	192.9	272.1	338.1	343.1	393.2
372	Non-ferrous Metals	21.1	33.4	49.4	41.3	33.8	53.7	56.1	135.4	190.4	130.5	127.9
381	Fabricated Metal Products except Machinery & Equipment	246.4	340.9	454.0	506.9	507.1	597.9	748.8	965.5	1,234.9	1,492.7	1,527.4
382	Machinery except Electrical & Electronic	223.4	338.5	573.0	754.7	676.9	701.0	844.4	1,183.5	1,662.7	2,484.2	2,545.0
383	Electrical Machinery, Apparatus, Appliances & Supplies	206.4	332.9	444.0	414.5	531.8	541.1	727.4	758.4	974.4	1,050.3	958.3
384	Electronic Products and Components	529.3	905.5	1,333.4	1,229.3	1,722.6	2,137.2	2,548.4	3,963.0	5,344.0	5,728.5	4,980.4
385	Transport Equipment	463.1	636.2	918.2	1,056.8	1,117.6	1,251.3	1,342.8	1,548.0	2,043.5	2,223.8	2,059.2
386	Instrumentation Equipment, Photographic & Optical Goods	69.2	128.3	115.9	182.3	193.2	184.1	237.6	276.6	382.8	290.6	296.3
390	Other Manufacturing Industries	123.3	149.9	157.5	151.3	176.4	201.8	228.9	337.5	455.6	505.2	462.4
	TOTAL MANUFACTURING EXCLUDING RUBBER PROCESSING	5,722.2	7,938.1	13,346.9	12,610.1	15,317.4	17,518.2	19,666.7	25,133.7	31,657.9	36,787.1	35,650.9
	Rubber Processing	385.9	748.6	867.9	555.2	814.0	744.1	801.3	1,170.2	1,052.5	772.6	437.0
	TOTAL MANUFACTURING INCLUDING RUBBER PROCESSING	6,108.1	8,686.7	14,214.8	13,165.3	16,131.4	18,262.4	20,468.0	26,303.9	32,710.4	37,559.7	36,087.9
	Granite Quarrying	18.6	18.9	22.2	32.1	43.6	31.1	24.3	27.1	95.3	134.3	178.7
	TOTAL	6,126.7	8,705.6	14,237.0	13,197.4	16,175.0	18,293.5	20,492.3	26,331.0	32,805.8	37,694.0	36,266.6

Note: See note to Table 6.3.

6.5 VALUE ADDED OF INDUSTRIAL ESTABLISHMENTS BY INDUSTRY

Million Dollars

Industrial Code	Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
311/2	Food	103.4	128.9	147.2	149.7	157.5	198.8	206.8	235.2	261.6	355.6	360.8
313	Beverage	33.0	38.6	45.7	57.2	66.9	69.2	81.4	91.9	109.0	140.0	146.9
314	Tobacco Products	25.8	30.8	41.9	34.7	34.7	37.0	41.0	42.8	52.6	68.2	70.2
321	Textiles & Textile Manufactures	64.9	121.7	85.9	78.6	117.2	108.8	115.3	137.0	157.6	134.9	105.4
322	Wearing Apparel except Footwear	59.5	82.4	78.9	92.2	135.9	156.7	206.5	230.2	266.4	308.3	311.0
323	Leather & Leather Products	3.5	5.1	5.8	4.6	9.0	12.7	13.3	13.2	13.4	13.6	12.8
324	Footwear	10.3	8.5	9.2	11.6	11.5	10.9	12.6	16.8	19.2	19.0	14.2
331	Sawntimber & Other Wood Products except Furniture	78.1	140.3	97.3	80.8	129.1	140.8	180.6	220.9	180.7	175.5	134.7
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	12.0	15.1	19.1	21.4	26.8	31.2	43.4	59.3	84.3	102.4	99.9
341	Paper & Paper Products	21.1	31.9	36.4	31.8	39.9	45.8	54.3	73.2	94.5	103.6	88.6
342	Printing & Publishing	83.4	92.7	120.8	124.9	145.9	172.0	190.8	217.1	277.9	341.8	340.1
351	Industrial Chemicals & Gases	32.4	50.9	46.8	44.9	51.9	59.3	65.3	85.8	109.4	119.3	124.7
352	Paints, Pharmaceuticals & Other Chemical Products	44.0	88.6	117.5	137.4	154.6	172.5	226.0	224.6	304.2	340.7	359.3
353/4	Petroleum Refineries & Petroleum Products	280.6	362.3	864.6	605.0	698.5	774.2	787.0	916.0	1,470.4	1,707.2	1,680.2
355	Processing of Jelutong & Gum Damar	1.4	2.1	2.1	2.5	2.1	1.9	1.8	2.7	2.9	3.7	5.1
356	Rubber Products except Footwear & Toys	22.0	22.8	23.1	24.8	26.4	27.3	28.2	38.1	39.2	34.2	31.5
357	Plastic Products	26.5	41.0	44.0	40.7	50.1	72.1	97.0	134.2	173.8	184.6	193.9
361/2	Pottery, China, Earthenware & Glass Products	8.0	11.0	13.6	11.8	14.3	17.6	25.1	27.3	24.6	36.8	37.6
363	Structural Clay Products	9.7	12.7	14.8	10.0	12.4	12.9	9.4	13.1	18.8	20.9	20.9
364	Cement	12.7	22.0	30.5	44.9	48.4	45.4	36.5	47.0	48.8	78.5	96.4

6.5 VALUE ADDED OF INDUSTRIAL ESTABLISHMENTS BY INDUSTRY (continued)

Million Dollars

Industrial Code	Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
365	Structural Cement & Concrete Products	4.8	7.4	11.7	18.9	19.6	24.7	28.3	31.2	53.7	78.1	87.4
369	Non-metallic Mineral Products	14.1	29.4	35.5	37.0	38.7	43.1	40.3	46.0	53.1	62.1	51.6
371	Iron & Steel	27.0	52.4	100.2	51.5	54.3	66.3	92.0	111.9	131.9	138.4	141.1
372	Non-ferrous Metals	5.1	11.4	12.8	11.2	7.2	13.4	13.5	19.0	21.8	25.3	23.1
381	Fabricated Metal Products except Machinery & Equipment	88.0	125.1	151.8	173.1	179.2	212.6	258.2	325.5	416.3	537.8	546.9
382	Machinery except Electrical & Electronic	87.6	145.6	252.5	330.0	343.2	356.5	414.7	526.7	744.8	1,140.9	1,160.3
383	Electrical Machinery, Apparatus, Appliances & Supplies	83.2	132.0	177.5	150.7	184.0	206.3	245.5	287.2	356.8	388.6	354.8
384	Electronic Products & Components	251.9	350.9	436.1	402.2	557.3	643.4	820.2	1,200.4	1,668.8	1,625.7	1,332.2
385	Transport Equipment	233.5	297.4	432.9	501.6	508.5	595.0	636.3	802.4	1,060.2	1,181.3	1,053.2
386	Instrumentation Equipment, Photographic & Optical Goods	22.6	48.3	35.7	87.8	88.9	93.7	123.6	130.0	172.4	110.4	108.8
390	Other Manufacturing Industries	32.0	31.2	36.3	37.5	47.7	53.3	68.2	106.5	132.5	143.0	126.6
	TOTAL MANUFACTURING EXCLUDING RUBBER PROCESSING	1,782.3	2,540.6	3,528.2	3,411.1	3,961.8	4,475.5	5,162.9	6,412.9	8,521.9	9,720.5	9,220.2
	Rubber Processing	22.3	50.2	50.9	27.9	45.6	38.1	36.7	87.7	51.5	37.0	30.8
	TOTAL MANUFACTURING INCLUDING RUBBER PROCESSING	1,804.5	2,590.8	3,579.1	3,439.0	4,007.4	4,513.6	5,199.6	6,500.6	8,573.4	9,757.5	9,251.0
	Granite Quarrying	16.0	15.4	17.7	24.8	33.7	26.0	20.4	23.3	79.4	109.4	140.6
	TOTAL	1,820.5	2,606.2	3,596.8	3,463.8	4,041.1	4,539.6	5,220.0	6,523.9	8,652.8	9,866.9	9,391.6

Note: See note to Table 6.3.

6.6 WORKERS ENGAGED IN INDUSTRIAL PRODUCTION BY INDUSTRY

Number

Industrial Code	Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
311/2	Food	9,898	9,416	9,282	8,725	8,567	9,200	9,636	10,181	10,053	10,075	9,769
313	Beverage	2,549	2,715	2,665	2,640	2,639	2,506	2,596	2,739	2,650	2,744	2,670
314	Tobacco Products	1,105	1,188	1,137	1,301	1,179	1,225	1,263	1,239	1,277	976	873
321	Textiles & Textile Manufactures	12,415	14,103	12,181	11,380	11,620	10,526	9,792	10,087	9,710	7,906	6,586
322	Wearing Apparel except Footwear	18,124	20,909	18,559	17,966	20,673	23,262	28,983	29,274	27,188	27,870	28,469
323	Leather & Leather Products	761	709	702	863	968	1,223	1,351	1,284	1,244	1,186	1,142
324	Footwear	2,389	1,964	1,855	1,901	1,738	1,471	1,546	1,633	1,524	1,428	1,405
331	Sawntimber & Other Wood Products except Furniture	12,247	13,127	11,990	9,435	8,784	8,859	10,056	11,418	10,376	8,291	7,312
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	2,091	2,347	2,626	2,625	2,935	3,427	4,697	5,678	6,145	6,561	6,425
341	Paper & Paper Products	3,061	3,409	3,334	3,366	3,617	3,604	3,801	4,035	4,294	4,495	4,264
342	Printing & Publishing	7,587	7,734	8,281	8,511	9,082	9,847	11,105	11,514	12,101	12,487	12,844
351	Industrial Chemicals & Gases	1,298	1,400	1,412	1,558	1,554	1,520	1,688	1,906	2,138	2,058	2,107
352	Paints, Pharmaceuticals & Other Chemical Products	2,986	3,474	3,408	3,574	3,484	3,762	3,800	3,822	4,300	4,291	4,423
353/4	Petroleum Refineries & Petroleum Products	2,659	3,064	3,103	3,331	3,167	3,094	3,082	3,212	3,342	3,511	3,834
355	Processing of Jelutong & Gum Damar	246	262	222	205	164	158	135	148	145	157	153
356	Rubber Products except Footwear & Toys	1,697	1,603	1,510	1,462	1,479	1,455	1,562	1,828	1,941	1,359	1,329
357	Plastic Products	3,842	4,648	4,548	4,847	5,346	6,366	7,770	8,374	9,225	9,121	8,866
361/2	Pottery, China, Earthenware & Glass Products	1,020	990	1,020	684	791	819	824	893	955	1,133	1,018
363	Structural Clay Products	1,050	1,043	943	815	901	830	477	482	474	461	493
364	Cement	440	468	499	568	579	541	551	538	461	474	547

6.6 WORKERS ENGAGED IN INDUSTRIAL PRODUCTION BY INDUSTRY (continued)

Number

Industrial Code	Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
365	Structural Cement & Concrete Products	560	681	716	1,185	1,125	1,149	1,284	1,298	1,458	1,730	2,029
369	Non-metallic Mineral Products	1,281	1,442	1,745	1,700	1,735	1,440	1,427	1,205	1,315	1,261	1,094
371	Iron & Steel	1,306	1,447	1,692	1,557	1,522	1,456	1,518	1,802	1,878	1,920	1,760
372	Non-ferrous Metals	389	526	558	445	139	516	620	489	459	449	468
381	Fabricated Metal Products except Machinery & Equipment	9,740	10,356	11,019	11,206	11,880	12,671	14,619	16,062	17,669	19,481	19,871
382	Machinery except Electrical & Electronic	8,561	10,934	13,580	16,753	15,927	14,827	17,344	18,910	20,274	23,963	24,078
383	Electrical Machinery, Apparatus, Appliances & Supplies	11,087	14,946	18,134	12,278	13,644	13,237	15,206	14,728	15,933	16,141	14,960
384	Electronic Products & Components	20,121	29,537	32,780	24,351	35,756	41,245	47,455	63,201	71,727	69,358	60,874
385	Transport Equipment	19,600	22,091	24,191	24,890	24,299	25,767	26,312	26,039	27,420	28,491	29,798
386	Instrumentation Equipment, Photographic & Optical Goods	3,179	6,502	8,090	6,941	7,382	7,906	8,214	9,256	10,456	5,419	5,463
390	Other Manufacturing Industries	7,063	5,539	4,285	4,465	4,558	5,203	5,010	6,059	7,118	6,878	6,607
	TOTAL MANUFACTURING EXCLUDING RUBBER PROCESSING	170,352	198,574	206,067	191,528	207,234	219,112	243,724	269,334	285,250	281,675	271,531
	bber Processing	3,698	3,239	3,147	2,730	2,641	2,428	2,092	2,044	1,977	1,826	1,511
	TOTAL MANUFACTURING INCLUDING RUBBER PROCESSING	174,050	201,813	209,214	194,258	209,875	221,540	245,816	271,378	287,227	283,501	273,042
	Granite Quarrying	1,191	900	788	743	947	802	651	539	938	1,008	1,064
	TOTAL	175,241	202,713	210,002	195,001	210,822	222,342	246,467	271,917	288,165	284,509	274,106

Note: See note to Table 6.3.

6.7 REMUNERATION OF EMPLOYEES ENGAGED IN INDUSTRIAL PRODUCTION BY INDUSTRY

Million Dollars

Industrial Code	Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
311/2	Food	33.4	38.6	45.2	47.9	51.8	58.2	65.8	79.1	87.8	103.4	110.1
313	Beverage	12.5	14.6	18.6	22.3	22.9	24.3	26.5	29.9	34.6	40.0	41.4
314	Tobacco Products	5.1	7.2	8.7	8.8	9.5	10.5	11.6	13.2	15.3	15.6	18.0
321	Textiles & Textile Manufactures	31.2	44.2	48.0	47.8	56.0	52.6	54.6	63.0	71.7	68.8	61.3
322	Wearing Apparel except Footwear	33.8	48.5	50.6	53.8	69.8	87.0	118.0	136.3	150.7	179.3	192.1
323	Leather & Leather Products	1.6	2.0	2.5	3.1	4.0	5.1	6.1	6.8	7.4	8.0	8.3
324	Footwear	5.3	5.2	6.7	7.1	7.9	6.4	6.8	7.9	9.7	10.1	9.5
331	Sawntimber & Other Wood Products except Furniture	38.9	51.2	51.0	48.1	48.9	55.8	67.5	81.8	80.1	77.4	68.6
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	7.6	8.6	11.9	12.7	14.8	16.7	24.4	34.0	44.4	54.8	63.3
341	Paper & Paper Products	6.7	9.7	12.1	13.9	16.0	17.6	21.3	27.0	34.7	44.2	45.6
342	Printing & Publishing	31.5	36.5	45.9	54.1	61.7	70.2	86.6	97.5	118.6	140.5	163.7
351	Industrial Chemicals & Gases	8.5	10.0	11.8	13.3	14.1	16.1	17.8	22.3	28.9	33.4	38.6
352	Paints, Pharmaceuticals & Other Chemical Products	12.6	18.2	22.0	25.7	30.0	35.1	37.7	43.2	53.4	62.4	70.2
353/4	Petroleum Refineries & Petroleum Products	44.6	53.9	60.6	66.1	67.2	67.0	73.5	87.1	99.7	114.7	140.7
355	Processing of Jelutong & Gum Damar	0.8	1.1	1.1	1.1	1.0	1.1	1.0	1.2	1.3	1.5	1.5
356	Rubber Products except Footwear & Toys	7.5	8.3	9.2	9.7	9.9	10.8	11.8	15.6	17.2	13.3	14.1
357	Plastic Products	9.8	14.2	17.6	20.3	23.9	30.0	39.0	48.5	63.9	71.8	80.1
361/2	Pottery, China, Earthenware & Glass Products	5.4	6.1	6.8	6.1	6.9	7.2	8.5	9.9	12.4	13.5	12.7
363	Structural Clay Products	3.8	4.5	5.1	5.2	5.4	5.1	4.1	4.7	5.2	6.0	7.6
364	Cement	2.1	2.8	3.7	4.7	5.0	4.2	5.8	6.5	7.0	8.9	11.4

6.7 REMUNERATION OF EMPLOYEES ENGAGED IN INDUSTRIAL PRODUCTION BY INDUSTRY (continued)

Million Dollars

Industrial Code	Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982*
365	Structural Cement & Concrete Products	2.2	3.0	3.9	7.2	6.8	8.5	9.6	11.1	15.6	21.8	27.1
369	Non-metallic Mineral Products	6.7	8.3	10.4	12.4	14.4	11.4	11.7	12.4	14.6	18.9	17.4
371	Iron & Steel	6.9	9.3	12.4	13.4	14.2	14.8	17.7	22.4	27.4	30.2	32.4
372	Non-ferrous Metals	2.1	2.5	3.6	3.7	1.1	4.7	5.6	5.9	7.9	7.4	8.7
381	Fabricated Metal Products except Machinery & Equipment	37.8	44.8	61.3	68.9	77.8	86.0	116.9	126.7	157.3	202.0	236.4
382	Machinery except Electrical & Electronic	41.2	58.3	91.5	127.8	125.8	129.2	152.6	186.5	228.7	323.8	348.6
383	Electrical Machinery, Apparatus, Appliances & Supplies	36.5	56.7	74.0	70.6	73.8	80.6	99.1	110.1	133.6	154.5	161.0
384	Electronic Products & Components	60.4	100.2	134.0	128.9	186.8	223.0	264.3	393.3	510.7	577.0	582.3
385	Transport Equipment	123.2	150.8	192.4	220.1	223.0	266.2	282.7	304.3	363.5	433.2	443.4
386	Instrumentation Equipment, Photographic & Optical Goods	12.8	27.5	37.5	37.5	39.2	41.6	48.3	59.9	76.0	47.3	52.5
390	Other Manufacturing Industries	16.2	14.8	15.9	18.1	20.5	24.7	27.5	37.7	47.6	54.3	59.6
	TOTAL MANUFACTURING EXCLUDING RUBBER PROCESSING	648.7	861.4	1,075.9	1,180.5	1,309.8	1,471.7	1,724.2	2,085.9	2,526.9	2,938.1	3,128.2
	Rubber Processing	11.0	14.2	15.0	13.9	15.1	14.2	13.8	16.6	18.5	18.3	17.4
	TOTAL MANUFACTURING INCLUDING RUBBER PROCESSING	659.6	875.7	1,090.9	1,194.5	1,324.9	1,485.9	1,738.0	2,102.5	2,545.4	2,956.4	3,145.6
	Granite Quarrying	6.5	5.6	5.3	6.4	7.7	8.6	5.9	5.5	10.8	15.3	18.0
	TOTAL	666.2	881.3	1,096.2	1,200.9	1,332.6	1,494.6	1,743.9	2,108.0	2,556.2	2,971.7	3,163.6

Note: See note to Table 6.3.

6.8 VOLUME OF OUTPUT OF SELECTED MANUFACTURED PRODUCTS

Commodity	Unit	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Animal Feed	Thousand Tonnes	354	409	343	309	240	291	300	306	334	255
Soft Drinks	Million Litres	124	97	107	114	125	144	175	170	175	185
Refined Cooking Oil	Tonnes	35,995	32,762	31,294	35,315	45,252	50,377	50,780	43,829	59,685	84,228
Cigarettes & Cigars	Tonnes	2,901	3,296	3,443	3,331	3,183	3,409	3,463	3,182	3,086	3,128
Sawntimber	Thousand Cubic Metres	728	824	500	381	443	302	364	371	282	188
Plywood	Million Square Metres	69	110	82	106	118	109	143	165	123	112
Newspapers	Million Copies	124	131	135	145	173	171	197	216	225	228
Paints	Kilolitres	9,869	11,304	12,309	12,082	13,731	18,152	19,972	20,258	22,310	26,698
Soap & Detergents	Tonnes	22,325	24,264	21,013	18,503	26,993	24,071	21,613	23,532	29,141	29,568
Aviation Kerosene ¹	Thousand Tonnes	4,746	4,085	3,493	3,278	4,165	3,756	4,708	5,033	3,709	4,003
Diesel Oil ¹	Thousand Tonnes	4,374	4,567	4,307	3,863	5,046	5,569	6,780	6,566	4,619	6,490
Fuel Oil ¹	Thousand Tonnes	13,097	11,213	10,526	8,106	9,127	10,209	10,154	10,340	6,457	7,560
Bricks	Thousand Pieces	77,436	91,511	96,796	80,673	92,377	85,231	72,628	91,191	92,122	93,327
Cement	Thousand Tonnes	1,045	1,115	1,181	1,337	1,532	1,550	1,628	1,808	1,952	2,253
Air Conditioners	Thousand	19	20	17	17	19	26	31	40	33	52
Refrigerators	Thousand	40	54	43	45	54	57	73	80	93	93
Radios	Thousand	6,628	7,926	8,988	7,221	10,737	9,726	11,717	16,748	17,070	16,028
Television Receivers	Thousand Sets	84	114	195	397	486	560	725	1,390	1,889	2,231

1 Prior to 1980 data included the quantity of products processed for third party overseas.

6.9 VALUE OF OUTPUT OF SELECTED MANUFACTURED PRODUCTS

Million Dollars

Commodity	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Animal Feed	113.4	163.1	162.2	139.5	111.7	146.8	148.4	160.6	201.8	167.6
Soft Drinks	35.0	33.7	47.1	61.5	76.1	88.8	112.1	120.1	126.4	172.2
Refined Cooking Oil	30.9	52.2	76.1	50.0	62.7	93.4	94.3	80.4	120.4	175.5
Cigarettes & Cigars	101.1	127.9	140.7	142.4	150.0	161.5	164.9	160.1	165.2	192.2
Fabrics	65.7	101.3	89.8	106.5	151.1	138.0	158.6	190.7	195.9	200.1
Sawntimber	101.9	173.6	90.0	67.3	94.2	73.8	95.9	125.3	103.1	59.8
Plywood	86.9	203.3	163.5	172.2	224.1	234.7	296.8	466.6	411.9	361.6
Newspapers	17.0	18.4	31.9	28.8	31.5	33.1	35.6	39.0	45.8	55.7
Paints	23.6	30.6	42.9	42.9	43.5	58.5	65.5	72.5	87.8	119.4
Pharmaceutical Products	8.4	65.6	92.6	131.3	142.0	155.5	201.0	179.5	258.4	269.6
Soap & Detergents	18.5	21.6	25.9	24.8	32.4	33.6	32.1	37.9	62.2	66.4
Aviation Kerosene ¹	408.2	432.2	972.4	932.1	1,263.3	1,186.6	1,406.4	2,100.1	2,590.3	3,001.2
Diesel Oil ¹	307.3	405.7	1,048.3	968.2	1,327.8	1,534.6	1,784.5	2,518.6	2,990.0	4,202.1
Fuel Oil ¹	505.2	546.7	1,794.0	1,425.5	1,778.4	2,090.3	1,899.4	2,621.9	2,544.8	3,413.8
Bricks	8.6	10.6	14.6	12.8	14.9	13.9	12.1	19.5	28.5	32.5
Cement	58.1	73.4	127.2	153.5	158.6	165.9	179.9	225.2	277.1	347.2
Air Conditioners	12.0	11.5	10.6	9.9	12.3	16.0	24.1	28.8	22.6	34.1
Refrigerators	13.7	21.9	20.0	21.9	25.6	31.7	47.0	51.8	60.1	61.2
Oil Rigs & Oilfield Equipment	110.5	162.9	309.9	443.1	350.3	279.2	344.1	556.5	806.7	1,437.5
Electronic Products excluding TV Receivers & Radios	381.0	725.5	1,070.0	910.6	1,347.5	1,707.1	1,935.3	2,858.4	3,873.8	4,104.1
Radios	118.6	145.9	195.7	201.4	226.9	248.0	337.4	651.6	882.6	877.4
Television Receivers	25.1	28.2	61.9	105.9	133.4	160.9	234.6	399.5	512.7	667.8
Shipbuilding & Repairing	350.7	469.1	688.3	866.6	939.4	981.8	1,002.3	1,105.6	1,547.6	1,727.8
Marine Engines & Parts	18.4	26.2	42.8	47.5	44.4	61.3	64.9	84.5	109.6	137.2
Photographic Equipment & Optical Goods	40.9	73.9	79.5	120.4	99.2	87.5	90.1	107.9	125.3	52.7

¹ Prior to 1980 data included the value of products processed for third party overseas.

6.10 QUARTERLY INDEX OF INDUSTRIAL PRODUCTION
(1978 = 100)

Industrial Code	Major Industry Group	Weights	1981				1982			
			1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr*
	Total Manufacturing excluding Rubber Processing	1000.0	129.3	145.9	146.0	145.9	132.8	138.3	134.8	129.6
311/2	Food	40.0	106.6	115.1	100.7	111.3	107.8	101.8	104.6	105.9
313	Beverage	15.8	115.7	127.9	127.8	108.1	102.5	109.9	114.0	107.4
314	Tobacco Products	7.9	97.3	92.3	97.6	101.8	115.6	104.0	114.0	127.2
321	Textiles & Textile Manufactures	22.4	90.2	93.3	92.9	89.5	73.7	73.2	64.0	63.4
322	Garments	40.0	81.1	97.1	86.3	115.7	85.5	82.1	82.9	104.1
323	Leather & Leather Products	2.6	88.7	84.5	85.9	80.3	63.8	60.7	53.5	59.0
324	Footwear	2.5	109.7	131.6	145.8	94.7	73.5	96.3	90.1	86.2
331	Sawntimber & Other Wood Products except Furniture	34.8	68.6	74.4	71.7	75.6	66.4	63.0	54.9	61.7
332	Furniture & Fixtures except primarily of Metal, Stone & Plastics	8.4	145.0	165.4	173.1	183.3	149.4	157.3	148.9	163.6
341	Paper & Paper Products	10.5	108.1	127.0	122.7	125.8	109.7	123.9	114.7	108.7
342	Printing & Publishing	36.9	113.1	137.8	159.9	136.0	118.3	133.4	152.7	147.2
351	Industrial Chemicals & Gases	11.8	112.6	130.4	122.8	132.8	127.0	143.8	128.2	124.1
352	Paints & Chemical Products	43.9	120.4	120.9	128.9	130.9	133.2	123.3	145.2	122.7
353/4	Petroleum Products	152.4	104.7	121.2	122.2	125.4	121.7	121.0	121.7	121.5
355	Processing of Jelutong & Gum Damar	0.3	96.4	106.0	125.7	205.0	121.9	172.7	179.4	218.3
356	Rubber Products except Rubber Footwear	5.5	88.0	89.6	101.5	105.5	94.0	84.0	78.9	81.7

6.10 QUARTERLY INDEX OF INDUSTRIAL PRODUCTION (continued)
(1978 = 100)

Industrial Code	Major Industry Group	Weights	1981				1982			
			1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr*
357	Plastic Products	19.4	94.6	99.0	89.7	86.2	87.5	92.0	90.1	101.7
361/2	Pottery, Earthenware & Glass Products	4.8	123.7	147.3	130.1	136.5	129.8	154.2	146.9	139.2
363	Structural Clay Products	1.8	107.7	119.7	119.6	121.8	103.3	112.8	120.5	123.2
364	Cement & Cement Additives	7.4	118.7	133.6	130.4	142.5	145.2	159.7	165.5	170.4
365	Structural Cement & Concrete Products	5.5	108.4	83.5	87.1	93.7	79.5	98.1	108.9	106.2
369	Non-metallic Mineral Products nec	8.0	63.6	134.5	136.3	114.7	76.0	65.4	105.7	133.6
371	Iron & Steel	17.4	110.2	128.4	118.4	144.2	156.9	160.2	162.3	173.0
372	Non-ferrous Metals	2.6	132.0	127.5	135.7	118.8	100.8	110.7	111.9	107.5
381	Fabricated Metal Products	49.9	108.4	126.5	120.6	131.8	124.2	127.3	101.5	95.8
382	Calculators, Refrigerators, Air-conditioners & Industrial Machinery	76.7	164.5	184.4	188.2	178.0	180.0	210.3	187.3	164.0
383	Electrical & Electronic Equipment & Appliances	192.2	163.9	189.6	176.3	160.5	140.0	162.4	158.2	152.2
384	Transport Equipment & Oil Rigs	141.6	169.7	190.7	213.9	229.2	196.0	180.8	175.4	161.9
	Other Manufacturing Industries including Precision Equipment	37.1	115.1	105.6	92.4	79.0	74.1	85.2	73.0	57.8

6.11 NET INVESTMENT COMMITMENTS IN MANUFACTURING BY INDUSTRY

Million Dollars

Industry	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Food & Beverages	3.4	2.0	-	2.6	14.4	27.4	8.5	40.8	103.5	90.7	97.8
Textiles	2.2	14.5	20.9	0.9	6.5	1.7	11.0	14.2	32.6	17.7	8.9
Wearing Apparel	6.4	-	-	-	1.5	3.0	2.7	1.4	8.0	8.3	10.4
Wood Products	14.2	9.3	6.9	1.4	8.3	5.3	9.8	33.2	30.8	16.8	9.1
Paper Products & Printing	-	6.3	1.0	-	1.0	4.2	-	8.0	27.2	161.8	116.1
Industrial Chemicals	2.1	5.1	26.0	7.5	5.0	4.9	13.9	5.4	76.8	63.8	16.9
Plastic Products	6.7	6.3	-	4.3	11.8	8.6	13.4	34.0	66.8	41.9	47.4
Other Chemical Products	0.9	2.4	15.0	2.0	0.4	1.2	14.5	31.0	101.1	95.7	47.4
Petroleum	-	-	-	135.0	16.0	66.2	330.0	224.5	200.0	162.0	387.7
Non-metallic Minerals	9.4	7.0	19.0	-	0.7	-	-	7.1	65.7	55.6	39.1
Basic Metals	1.3	4.0	24.0	1.4	15.4	1.0	2.5	-	-	16.3	50.2
Fabricated Metal Products	2.4	1.2	5.2	17.3	16.8	6.8	13.8	56.2	75.6	95.1	113.1
Machinery except Electrical	50.7	86.0	41.8	70.7	51.4	77.9	45.5	151.9	121.3	315.4	155.7
Electrical Machinery & Appliances	92.0	34.4	4.9	13.3	142.3	120.3	292.4	253.9	400.3	451.2	366.3
Transport Equipment	0.7	62.5	105.0	42.0	0.7	36.1	-	18.5	58.4	268.8	69.8
Precision Equipment	-	-	18.1	1.3	6.4	7.7	33.9	31.5	29.0	29.7	66.6
Other Products	2.1	54.9	4.1	6.6	4.7	24.1	20.5	32.0	26.1	3.8	11.7
Servicing/Engineering	-	-	-	-	-	-	-	-	2.5	34.2	132.3
Total	194.5	295.9	291.9	306.3	303.3	396.4	812.4	943.6	1,425.7	1,928.8	1,746.5
Foreign	156.3	224.1	168.8	246.8	260.5	362.6	765.7	823.4	1,220.7	1,329.7	1,206.2
Local	38.2	71.8	123.1	59.5	42.8	33.8	46.7	120.2	205.0	599.1	540.3

Note: Net investment commitments refer to gross commitments less projects withdrawn or uncertain as at 31 December 1982.

Source: Economic Development Board

6.12 PRINCIPAL STATISTICS OF PIONEER MANUFACTURING ESTABLISHMENTS

End of Year	In Production					Under Implementation			
	Establish-ments	Persons Employed	Output	Paid-up Capital	Gross Fixed Assets	Establish-ments	Persons Employed	Paid-up Capital	Gross Fixed Assets
	Number		Million Dollars			Number		Million Dollars	
1971	291	66,124	2,403	794	1,582	24	449	114	148
1972	313	86,464	3,380	967	2,194	17	708	78	245
1973	319	96,018	4,676	1,209	2,787	15	139	19	10
1974	318	79,870	9,502	1,337	3,085	14	312	26	19
1975	314	78,659	7,454	1,434	3,355	7	79	15	15
1976	293	87,405	8,921	1,414	3,413	4	31	2	20
1977	323	94,410	10,453	1,505	3,823	16	594	19	48
1978	350	109,672	11,376	1,568	4,859	17	660	22	30
1979	393	122,481	14,992	1,726	5,361	22	474	27	44
1980	420	124,280	20,708	1,909	6,296	22	800	65	105
1981	432	116,907	22,857	1,925	7,169	20	1,076	139	208

Source: Economic Development Board

6.13 PRINCIPAL STATISTICS OF PIONEER MANUFACTURING ESTABLISHMENTS BY INDUSTRY GROUP, DECEMBER 1981

Industry Group	In Production						Under Implementation			
	Estab- lishments	Persons Employed	Output	Value Added	Gross Fixed Assets	Paid-up Capital	Estab- lishments	Persons Employed	Gross Fixed Assets	Paid-up Capital
	Number			Million Dollars			Number		Million Dollars	
Total	432	116,907	22,857	4,725	7,169	1,925	20	1,076	208	139
Food & Beverages	23	2,652	573	109	214	161	-	-	-	-
Textiles & Garments	27	10,827	436	150	240	135	-	-	-	-
Wood & Cork Products	9	3,008	187	47	118	64	-	-	-	-
Paper & Paper Products	3	437	27	8	25	15	-	-	-	-
Leather & Rubber Products	8	888	45	20	45	27	1	16	2	1
Basic Industrial Chemicals	14	1,041	193	60	142	81	4	97	18	4
Other Chemical Products except Plastics	24	2,217	280	66	167	69	3	77	91	92
Petroleum & Petroleum Products	7	3,404	13,944	1,504	3,137	271	-	-	-	-
Non-metallic Mineral Products	11	562	143	25	71	30	-	-	-	-
Basic Metal Industries	10	2,084	406	121	182	79	-	-	-	-
Metal Products & Mechanical Engineering	135	25,593	1,669	764	1,133	436	7	427	29	23
Electrical & Electronic Products	117	56,885	4,376	1,512	1,226	400	4	316	53	4
Transport Equipment	9	3,650	382	262	281	78	1	143	15	15
Plastic Products	21	1,747	98	39	127	53	-	-	-	-
Miscellaneous	14	1,912	98	38	61	26	-	-	-	-

Source: Economic Development Board

7. ELECTRICITY, GAS AND WATER SUPPLY

The Public Utilities Board is responsible for the production and distribution of electricity, gas and water in Singapore.

Electricity

Electricity is generated mainly by steam plants at the Senoko, Jurong and Pasir Panjang 'B' Power Stations. The St James, Senoko and Pasir Panjang Gas Turbine generating stations are used mainly for emergency and in peak periods. In 1982 the installed generating capacity increased to 2106 megawatt (MW) of which 1150 MW or 55 per cent is at Senoko. In 1982, Senoko Power Station accounted for 65 per cent of the total production of electricity, contributing significantly to the gross thermal efficiency of 35 per cent. Maximum demand upon the system increased to 1334 MW.

A network of 230 kilovolt (kV), 66 kV, 22 kV, 6.6 kV and 0.4 kV cables interlinked by transformers at substations forms the transmission and distribution system whereby electricity is supplied from the power station to the consumer. The network now consists of 33,828 kilometres (km) of cables, 11,813 megavolt-amperes (MVA) of transformer capacity, 3,277 substations and 212 substation kiosks.

The total number of consumers increased to 593,975 in 1982. Per capita consumption of electricity rose to 2811 kilowatt hours (kWh) while per capita domestic consumption increased to 472 kWh.

Gas

Gas is produced by 6 naphtha reformers at the Kallang Gasworks

with a production capacity of 0.735 million cubic metres per day. Gas produced during off-peak periods is stored in the holders in Kallang and Queenstown and used to supplement the supply during the peak demand periods. There is a total of 1,444 kilometres of gas mains in use. Some areas outside the town gas distribution network receive their gas supply from system tanks which store Liquefied Petroleum Gas (LPG). Distribution of bottled LPG is done by private companies and data on these are not included in the table.

There are 189,660 gas consumers. Of these 97.7 per cent is domestic while the balance is commercial and industrial consumers.

About one in three households uses PUB gas. Of the 570,028 million units of gas sold in 1982, 56.2 per cent, 38.6 per cent and 5.2 per cent were sold to domestic, commercial and industrial consumers respectively.

Water

Water supplies are drawn mainly from 11 impounding reservoirs in Singapore and 3 in Johore with a total maximum storage capacity of 100.1 million cubic metres. Water is also tapped from rivers in Johore. After purification and treatment, water is pumped into 11 service reservoirs from whence distribution is made to consumers.

7.1 ELECTRICITY PRODUCTION AND SALES

Year	Production	Sales						Number of Consumers (End of Period)
		Total	Domestic	Public Lighting	Manufacturing	Other Industries	Export	
		Million Kilowatt Hours						
1972	3,143.6	2,776.8	521.4	37.6	1,329.8	888.0	-	313,795
1973	3,719.4	3,304.3	575.5	40.8	1,646.4	1,041.6	-	349,894
1974	3,864.3	3,426.2	559.0	39.3	1,784.2	1,043.7	-	393,081
1975	4,176.0	3,673.3	643.3	43.9	1,783.3	1,202.8	-	404,898
1976	4,604.9	4,038.0	703.4	46.6	1,980.5	1,307.5	-	433,784
1977	5,114.7	4,506.4	779.0	49.1	2,246.2	1,432.1	-	467,295
1978	5,898.0	5,213.7	887.5	51.5	2,606.8	1,619.5	48.4	504,327
1979	6,447.9	5,743.7	945.2	50.4	2,803.3	1,851.6	93.2	531,596
1980	6,940.4	6,198.0	1,014.3	56.7	2,947.2	2,087.8	92.0	561,708
1981	7,442.0	6,660.4	1,092.8	60.5	3,156.2	2,277.0	73.9	579,868
1982	7,859.6	7,000.1	1,166.9	64.5	3,217.6	2,499.6	51.5	593,975

Source: Public Utilities Board

7.2 GAS PRODUCTION AND SALES

Year	Production	Sales					Number of Consumers (End of Period)
		Total	Domestic		Commercial	Industrial	
			Public Housing	Others			
	Million Kilowatt Hours						
1972	320.9	278.9	126.5	78.9	54.0	19.5	104,907
1973	344.7	301.1	136.6	80.3	63.3	20.9	115,755
1974	391.1	350.1	156.6	82.1	82.7	28.7	129,003
1975	432.4	383.3	174.0	82.4	96.9	30.0	137,618
1976	457.1	411.4	186.2	76.2	108.2	40.8	143,147
1977	487.5	434.9	196.2	72.6	123.9	42.2	151,819
1978	539.0	490.2	213.2	73.1	152.1	51.8	166,011
1979	597.1	527.4	234.2	72.3	168.5	52.4	176,902
1980	614.1	552.0	246.7	70.5	186.5	48.3	187,944
1981	625.6	560.7	248.9	66.5	213.6	31.7	190,509
1982	624.8	570.0	257.6	62.5	220.1	29.8	189,660

Source: Public Utilities Board

7.3 WATER CONSUMPTION

Year	Total	Domestic	Shipping	Commerce and Industry	Singapore Government	Statutory Boards And Foreign Armed Forces	Johore	Number of Consumers (End of Period)
Thousand Cubic Metres								
1972	175,503.7	78,970.3	2,406.6	46,699.8	20,626.5	10,696.8	16,103.7	298,713
1973	174,949.0	76,726.7	2,673.4	51,186.7	17,537.3	9,847.5	16,977.4	325,026
1974	176,482.3	78,826.1	2,805.1	52,118.4	13,800.1	10,272.1	18,660.5	352,835
1975	192,655.5	87,295.2	3,063.6	55,036.5	13,614.1	12,304.4	21,341.7	381,682
1976	199,465.8	89,830.9	2,776.1	56,219.2	13,563.6	12,450.8	24,625.2	408,401
1977	211,844.6	95,038.5	2,683.6	60,382.5	12,921.8	12,301.2	28,517.0	438,853
1978	225,596.3	101,640.6	2,812.9	63,215.9	12,284.4	13,396.4	32,246.1	472,247
1979	239,477.1	106,504.5	3,043.1	70,160.4	12,041.3	13,292.1	34,435.7	497,241
1980	258,083.2	113,478.1	3,346.9	75,991.2	11,935.7	13,489.8	39,841.5	527,481
1981	278,216.1	119,436.8	3,495.2	84,417.0	12,420.5	14,685.7	43,760.9	546,961
1982	290,034.6	124,233.5	3,219.4	86,587.2	13,713.6	14,426.9	47,854.0	559,008

Source: Public Utilities Board

8. BUILDING CONSTRUCTION AND HOUSING

Building Construction

Statistics on building construction relating to number of units, floor area and value of buildings commenced, under construction, and completed are compiled by the Department of Statistics. These are based on quarterly surveys of building activity covering architects and developers in the private sector who have building plans approved by the Building Control Division of the Public Works Department. For the public sector, similar information is compiled from monthly returns submitted by the relevant government departments and statutory boards.

A building is considered 'commenced' if piling work has been started or demarcation of boundary made. Any building on which work has been commenced but is not completed by the end of the period is consi-

dered as under construction. This includes buildings commenced during the period. A building is considered 'completed' if it is ready for use or occupation and power and water facilities are available.

Statistics on building activity are revised retrospectively every quarter based on up-to-date information obtained from the latest quarterly survey. The revision reflects primarily changes and amendments in building plans.

Housing and Development Board

The Housing and Development Board (HDB) is the premier public housing authority of the Republic of Singapore. The Board is responsible for the long and short-term building programmes, the planning and development of new towns and housing estates and the provision of commu-

nal facilities such as sports and swimming complexes, commercial, shopping and social amenities. The Board also acquires land for public housing, clears designated areas for redevelopment, and resettles families, shopkeepers and farmers on State land needed for development projects such as public housing, urban redevelopment, industries, airport and seaport expansion programmes, roads, reservoirs and other public works.

During the First (1960-65), Second (1966-70), Third (1971-75) and Fourth (1976-80) Five-Year Building Programmes, over 50,000, 60,000, 113,000 and 130,000 housing units were completed respectively. In 1982, 20,918 units were completed by the Board, bringing the total units completed between 1960 and 1982 to 400,000 units.

In addition to the 3 completed new towns at Queenstown, Toa Payoh and Telok Blangah which housed 134,000, 175,700 and 63,300 residents

respectively, the Board has completed three more new generation towns at the end of the Fourth Five-Year Building Programme in 1980. These are Ang Mo Kio, Bedok and Clementi with 237,500, 219,400 and 106,400 residents respectively. Five new towns are now under development at Woodlands, Yishun, Hougang, Jurong East/West and Tampines.

Management of the estates is on a decentralised basis by the 32 Area Offices located within the various estates throughout Singapore. Rentals and instalment payments for HDB flats are collected at Area Offices.

Housing units managed by the Board are classified according to the number of rooms in each flat. For this purpose, besides the bedrooms, a living room or dining room space is also counted as a room. All units have, in addition, kitchen space and bathroom/toilet facilities. Shops and eating places are generally located on the ground floor of a block of flats. They are

allocated by public tender for the purposes of carrying out trade or business.

From May 1982, flats formerly built by the Jurong Town Corporation

and the Housing & Urban Development Company came under the management of the Housing and Development Board. At end 1982, about 75 per cent of the population lived in public housing managed by the HDB.

8.1 BUILDINGS COMMENCED, UNDER CONSTRUCTION AND COMPLETED
(Public and Private Sectors)

Year	Buildings Commenced			Buildings Under Construction ¹			Buildings Completed		
	Number of Units	Floor Area '000 Sq M	Value \$ Million	Number of Units	Floor Area '000 Sq M	Value \$ Million	Number of Units	Floor Area '000 Sq M	Value \$ Million
1972	33,516	4,276	747.4	42,311	7,261	1,689.4	25,530	3,049	495.2
1973	28,022	4,183	943.2	45,166	7,939	2,007.4	25,167	3,505	625.9
1974	28,588	4,649	1,219.1	41,948	8,674	2,419.7	31,806	3,913	806.2
1975	49,789	6,952	1,777.9	59,416	10,591	3,002.6	32,321	5,035	1,203.1
1976	34,862	5,359	1,356.7	59,109	10,721	3,014.4	35,169	5,228	1,357.5
1977	35,841	5,503	1,750.2	61,632	11,043	3,475.0	33,318	5,182	1,305.4
1978	28,652	4,820	1,376.0	53,905	10,132	3,446.9	36,379	5,732	1,407.2
1979	27,058	5,339	2,010.2	50,995	10,930	4,241.2	29,968	4,541	1,229.6
1980	21,578	5,616	3,508.6	49,203	11,361	6,165.2	23,369	4,693	1,529.6
1981	42,198	9,648	7,167.5	74,691	17,148	11,439.3	16,710	4,358	1,929.7
1982	67,185	13,622	10,279.0	118,239	25,251	18,822.0	23,638	5,513	3,040.8

¹ End of period.

8.1 BUILDINGS COMMENCED, UNDER CONSTRUCTION AND COMPLETED
(Public Sector)

Year	Buildings Commenced			Buildings Under Construction ¹			Buildings Completed		
	Number of Units	Floor Area '000 Sq M	Value \$ Million	Number of Units	Floor Area '000 Sq M	Value \$ Million	Number of Units	Floor Area '000 Sq M	Value \$ Million
1972	29,033	2,482	350.2	34,991	3,291	545.8	23,635	1,799	212.3
1973	24,778	2,623	558.6	36,797	3,720	802.8	22,972	2,195	300.9
1974	25,447	3,222	722.4	33,437	4,539	1,163.6	28,807	2,402	361.3
1975	48,365	5,911	1,377.2	51,856	7,061	1,822.5	29,946	3,390	709.9
1976	32,966	4,025	849.6	51,948	7,177	1,761.0	32,874	3,908	909.2
1977	34,377	4,359	1,289.8	54,593	7,389	2,107.9	31,732	4,146	958.1
1978	26,244	3,225	712.6	47,295	6,298	1,859.0	33,542	4,317	959.1
1979	24,669	3,636	1,087.8	44,151	6,650	2,214.1	27,813	3,284	743.8
1980	18,035	3,208	1,528.3	41,585	6,975	2,990.7	20,600	2,883	753.3
1981	35,112	5,802	3,102.4	62,339	10,137	5,023.6	14,357	2,637	1,071.9
1982	58,800	8,692	4,755.0	100,538	15,431	8,304.5	20,603	3,400	1,471.3

¹ End of period.

8.1 BUILDINGS COMMENCED, UNDER CONSTRUCTION AND COMPLETED
(Private Sector)

Year	Buildings Commenced			Buildings Under Construction ¹			Buildings Completed		
	Number of Units	Floor Area '000 Sq M	Value \$ Million	Number of Units	Floor Area '000 Sq M	Value \$ Million	Number of Units	Floor Area '000 Sq M	Value \$ Million
1972	4,483	1,794	397.2	7,320	3,970	1,143.6	1,895	1,250	282.9
1973	3,244	1,560	384.6	8,369	4,219	1,204.6	2,195	1,310	325.0
1974	3,141	1,427	496.7	8,511	4,135	1,256.1	2,999	1,511	444.9
1975	1,424	1,041	400.7	7,560	3,530	1,180.1	2,375	1,645	493.2
1976	1,896	1,334	507.1	7,161	3,544	1,253.4	2,295	1,320	448.3
1977	1,464	1,144	460.4	7,039	3,654	1,367.1	1,586	1,036	347.3
1978	2,408	1,595	663.4	6,610	3,834	1,587.9	2,837	1,415	448.1
1979	2,389	1,703	922.4	6,844	4,280	2,027.1	2,155	1,257	485.8
1980	3,543	2,408	1,980.3	7,618	4,886	3,174.5	2,769	1,810	776.3
1981	7,086	3,846	4,065.1	12,352	7,011	6,415.7	2,353	1,721	857.8
1982	8,385	4,930	5,524.0	17,701	9,820	10,517.5	3,035	2,113	1,569.5

¹ End of period.

8.2 NUMBER OF UNITS OF BUILDINGS COMMENCED

Number

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Public and Private Sectors											
Residential:	32,470	27,160	28,057	48,749	33,228	33,351	26,940	25,431	19,036	39,531	61,613
Bungalow	274	282	147	122	67	43	42	82	118	181	131
Semi-detached	935	1,007	525	165	76	76	95	180	294	128	169
Terrace	1,440	921	579	143	209	181	103	222	339	350	256
Flats	29,366	24,607	26,389	47,807	32,204	31,927	26,353	24,490	17,945	38,677	60,460
Shophouses	447	340	416	511	560	1,121	338	359	334	189	589
Others	8	3	1	1	112	3	9	98	6	6	8
Non-Residential:	1,046	862	531	1,040	1,634	2,490	1,712	1,627	2,542	2,667	5,572
Commercial	533	373	141	519	701	833	266	302	766	516	1,444
Industrial	399	403	263	201	833	1,543	1,358	1,235	1,659	2,028	4,016
Educational	15	16	35	42	16	12	17	22	40	47	35
Others	99	70	92	278	84	102	71	68	77	76	77
Public Sector											
Residential:	28,258	24,106	25,211	47,504	31,575	32,155	24,913	23,456	15,885	33,071	54,574
Bungalow	-	1	-	10	-	-	-	-	-	-	-
Semi-detached	2	-	-	-	-	-	-	-	-	2	-
Terrace	-	-	-	11	-	-	-	-	-	-	-
Flats	27,812	23,788	24,840	46,990	30,904	31,035	24,580	23,035	15,555	32,886	53,985
Shophouses	437	316	370	493	560	1,120	331	358	328	183	589
Others	7	1	1	-	111	-	2	63	2	-	-
Non-Residential:	775	672	236	861	1,391	2,222	1,331	1,213	2,150	2,041	4,226
Commercial	386	290	80	480	604	754	168	192	675	359	763
Industrial	303	321	59	95	726	1,388	1,103	965	1,396	1,611	3,391
Educational	9	12	24	30	6	12	12	11	31	34	30
Others	77	49	73	256	55	68	48	45	48	37	42
Private Sector											
Residential:	4,212	3,054	2,846	1,245	1,653	1,196	2,027	1,975	3,151	6,460	7,039
Bungalow	274	281	147	112	67	43	42	82	118	181	131
Semi-detached	933	1,007	525	165	76	76	95	180	294	126	169
Terrace	1,440	921	579	132	209	181	103	222	339	350	256
Flats	1,554	819	1,549	817	1,300	892	1,773	1,455	2,390	5,791	6,475
Shophouses	10	24	46	18	-	1	7	1	6	6	-
Others	1	2	-	1	1	3	7	35	4	6	8
Non-Residential:	271	190	295	179	243	268	381	414	392	626	1,346
Commercial	147	83	61	39	97	79	98	110	91	157	681
Industrial	96	82	204	106	107	155	255	270	263	417	625
Educational	6	4	11	12	10	-	5	11	9	13	5
Others	22	21	19	22	29	34	23	23	29	39	35

8.3 FLOOR AREA OF BUILDINGS COMMENCED

Thousand Square Metres

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Public and Private Sectors											
Residential:	3,109	2,822	3,260	5,158	3,564	3,641	3,045	3,177	2,809	6,182	8,240
Bungalow	102	113	62	45	31	19	18	34	47	73	66
Semi-detached	232	254	134	49	20	21	25	46	78	35	51
Terrace	276	184	126	26	35	35	20	38	73	69	59
Flats	2,435	2,219	2,867	4,951	3,374	3,350	2,897	2,989	2,532	5,942	7,943
Shophouses	61	52	70	86	93	212	64	61	58	40	102
Others	3	-	1	1	11	4	21	9	21	23	19
Non-Residential:	1,167	1,361	1,389	1,794	1,795	1,862	1,775	2,162	2,807	3,466	5,382
Commercial	443	274	448	695	665	618	568	735	889	1,435	3,133
Industrial	546	777	759	585	789	647	930	1,172	1,478	1,674	1,781
Educational	61	107	133	156	77	118	101	111	241	216	355
Others	117	203	49	358	264	479	176	144	199	141	113
Public Sector											
Residential:	2,143	2,044	2,525	4,860	3,213	3,390	2,640	2,781	2,049	4,727	6,760
Bungalow	-	1	-	3	-	-	-	-	-	-	-
Semi-detached	1	-	-	-	-	-	-	-	-	1	-
Terrace	-	-	-	1	-	-	-	-	-	-	-
Flats	2,084	1,997	2,466	4,774	3,110	3,178	2,566	2,717	1,981	4,690	6,658
Shophouses	58	46	58	82	93	212	63	61	56	36	102
Others	-	-	1	-	10	-	11	3	12	-	-
Non-Residential:	339	579	697	1,051	812	969	585	855	1,159	1,075	1,932
Commercial	67	123	265	423	209	254	54	278	188	210	746
Industrial	191	207	293	183	436	262	341	407	615	605	791
Educational	22	77	108	126	36	118	74	85	212	174	316
Others	59	172	31	319	131	335	116	85	144	86	79
Private Sector											
Residential:	966	778	735	298	351	251	405	396	760	1,455	1,480
Bungalow	102	112	62	42	31	19	18	34	47	73	66
Semi-detached	231	254	134	49	20	21	25	46	78	34	51
Terrace	276	184	126	25	35	35	20	38	73	69	59
Flats	351	222	401	177	264	172	331	272	551	1,252	1,285
Shophouses	3	6	12	4	-	-	1	-	2	4	-
Others	3	-	-	1	1	4	10	6	9	23	19
Non-Residential:	828	782	692	743	983	893	1,190	1,307	1,648	2,391	3,450
Commercial	376	151	183	272	456	364	514	457	701	1,225	2,387
Industrial	355	570	466	402	353	385	589	765	863	1,069	990
Educational	39	30	25	30	41	-	27	26	29	42	39
Others	58	31	18	39	133	144	60	59	55	55	34

8.4 NUMBER OF UNITS OF BUILDINGS UNDER CONSTRUCTION

Number

End of Period	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Public and Private Sectors											
Residential:	41,335	44,175	41,089	58,267	57,124	58,235	50,929	47,322	45,356	70,046	110,033
Bungalow	393	477	380	328	215	204	163	149	206	262	252
Semi-detached	1,315	1,878	1,669	1,456	1,240	998	784	722	804	729	616
Terrace	1,738	2,037	1,574	1,128	1,069	1,075	856	898	880	921	973
Flats	37,516	39,250	36,957	54,697	53,644	54,584	48,199	44,699	42,594	67,424	107,233
Shophouses	369	532	509	658	845	1,370	918	751	774	669	911
Others	4	1	-	-	111	4	9	103	98	41	48
Non-Residential:	976	991	859	1,149	1,985	3,397	2,976	3,673	3,847	4,645	8,206
Commercial	486	463	262	630	847	1,520	949	1,065	1,224	1,255	2,096
Industrial	410	433	467	336	961	1,737	1,881	2,456	2,452	3,211	5,938
Educational	16	21	38	58	38	18	18	28	51	66	58
Others	64	74	92	125	139	122	128	124	120	113	114
Public Sector											
Residential:	34,399	36,155	33,020	51,127	50,366	51,585	44,833	41,123	38,394	58,537	94,126
Bungalow	-	1	-	10	-	-	-	-	-	-	-
Semi-detached	2	2	-	-	-	-	-	-	-	2	-
Terrace	-	-	-	-	-	-	-	-	-	-	-
Flats	34,037	35,653	32,590	50,527	49,465	50,233	43,938	40,335	37,579	57,892	93,226
Shophouses	359	499	430	590	790	1,351	893	726	754	643	900
Others	1	-	-	-	111	1	2	62	61	-	-
Non-Residential:	592	642	417	729	1,582	3,008	2,462	3,028	3,191	3,802	6,412
Commercial	237	259	86	494	719	1,425	824	900	1,055	1,047	1,332
Industrial	305	323	242	101	751	1,485	1,529	2,014	2,012	2,637	4,978
Educational	9	14	28	43	24	16	15	18	36	49	39
Others	41	46	61	91	88	82	94	96	88	69	63
Private Sector											
Residential:	6,936	8,020	8,069	7,140	6,758	6,650	6,096	6,199	6,962	11,509	15,907
Bungalow	393	476	380	318	215	204	163	149	206	262	252
Semi-detached	1,313	1,876	1,669	1,456	1,240	998	784	722	804	727	616
Terrace	1,738	2,037	1,574	1,128	1,069	1,075	856	898	880	921	973
Flats	3,479	3,597	4,367	4,170	4,179	4,351	4,261	4,364	5,015	9,532	14,007
Shophouses	10	33	79	68	55	19	25	25	20	26	11
Others	3	1	-	-	-	3	7	41	37	41	48
Non-Residential:	384	349	442	420	403	389	514	645	656	843	1,794
Commercial	249	204	176	136	128	95	125	165	169	208	764
Industrial	105	110	225	235	210	252	352	442	440	574	960
Educational	7	7	10	15	14	2	3	10	15	17	19
Others	23	28	31	34	51	40	34	28	32	44	51

8.5 FLOOR AREA OF BUILDINGS UNDER CONSTRUCTION

Thousand Square Metres

End of Period	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Public and Private Sectors											
Residential:	4,239	4,887	5,320	7,048	6,924	6,993	6,141	6,075	6,347	10,529	15,880
Bungalow	145	187	160	138	98	38	20	15	22	47	59
Semi-detached	322	468	421	369	309	249	191	182	184	166	140
Terrace	328	394	329	233	216	217	172	176	178	189	192
Flats	3,387	3,758	4,324	6,194	6,144	6,220	5,560	5,544	5,802	9,972	15,278
Shophouses	51	80	86	114	147	259	177	140	135	125	162
Others	6	-	-	-	10	10	21	18	26	30	49
Non-Residential:	3,022	3,052	3,354	3,543	3,797	4,050	3,991	4,855	5,514	6,619	9,371
Commercial	1,993	1,681	1,640	1,528	1,531	1,796	1,752	2,064	2,302	3,182	5,570
Industrial	712	928	1,228	1,205	1,427	1,311	1,285	1,820	2,214	2,602	3,055
Educational	81	149	231	317	210	160	201	249	368	455	496
Others	236	294	255	493	629	783	753	722	630	380	250
Public Sector											
Residential:	2,632	2,943	3,286	5,255	5,292	5,448	4,795	4,747	4,826	7,977	12,434
Bungalow	-	1	-	3	-	-	-	-	-	-	-
Semi-detached	1	1	-	-	-	-	-	-	-	1	-
Terrace	-	-	-	-	-	-	-	-	-	-	-
Flats	2,583	2,869	3,220	5,155	5,149	5,188	4,613	4,610	4,681	7,860	12,274
Shophouses	48	72	66	97	133	254	171	134	130	116	160
Others	-	-	-	10	10	6	11	3	15	-	-
Non-Residential:	659	777	1,253	1,806	1,885	1,941	1,503	1,903	2,149	2,160	2,997
Commercial	183	196	397	663	521	644	305	479	482	582	1,116
Industrial	276	263	485	484	756	639	465	677	838	907	1,316
Educational	22	93	181	250	151	140	167	211	306	393	398
Others	178	225	190	409	457	518	566	536	523	278	167
Private Sector											
Residential:	1,607	1,944	2,034	1,793	1,632	1,545	1,346	1,328	1,521	2,552	3,446
Bungalow	145	186	160	135	98	38	20	15	22	47	59
Semi-detached	321	467	421	369	309	249	191	182	184	165	140
Terrace	328	394	329	233	216	217	172	176	178	189	192
Flats	804	889	1,104	1,039	995	1,032	947	934	1,121	2,112	3,004
Shophouses	3	8	20	17	14	5	6	6	5	9	2
Others	6	-	-	-	4	4	10	15	11	30	49
Non-Residential:	2,363	2,275	2,101	1,737	1,912	2,109	2,488	2,952	3,365	4,459	6,374
Commercial	1,810	1,485	1,243	865	1,010	1,152	1,447	1,585	1,820	2,600	4,454
Industrial	436	665	743	721	671	672	820	1,143	1,376	1,695	1,739
Educational	59	56	50	67	59	20	34	38	62	62	98
Others	58	69	65	84	172	265	187	186	107	102	83

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	Public and Private Sectors										
Residential:	24,588	24,320	31,143	31,571	34,371	32,240	34,246	29,038	21,002	14,844	21,623
Bungalow	283	198	244	174	180	54	83	96	61	125	141
Semi-detached	428	444	734	378	292	318	309	242	212	203	282
Terrace	337	622	1,042	589	268	175	322	180	357	309	204
Flats	23,175	22,873	28,682	30,067	33,257	30,987	32,738	27,990	20,050	13,850	20,648
Shophouses	356	177	439	362	373	596	790	526	311	294	347
Others	9	6	2	1	1	110	4	4	11	63	1
Non-Residential:	942	847	663	750	798	1,078	2,133	930	2,367	1,866	2,015
Commercial	648	396	342	151	484	160	837	186	607	481	607
Industrial	198	380	229	332	208	767	1,214	660	1,663	1,270	1,288
Educational	9	11	18	22	36	32	17	12	17	32	43
Others	87	60	74	245	70	119	65	72	80	83	77
	Public Sector										
Residential:	22,938	22,350	28,346	29,397	32,336	30,936	31,665	27,166	18,614	12,931	18,982
Bungalow	-	-	1	-	10	-	-	-	-	-	-
Semi-detached	-	-	2	-	-	-	-	-	-	-	2
Terrace	-	-	-	11	-	-	-	-	-	-	-
Flats	22,574	22,172	27,903	29,053	31,966	30,267	30,875	26,638	18,311	12,576	18,648
Shophouses	356	176	439	333	360	559	789	525	300	294	332
Others	8	2	1	-	-	110	1	3	3	61	-
Non-Residential:	697	622	461	549	538	796	1,877	647	1,986	1,426	1,621
Commercial	582	268	253	72	379	48	769	116	520	363	482
Industrial	36	303	140	236	76	654	1,059	480	1,398	986	1,050
Educational	4	7	10	15	25	20	13	8	13	21	40
Others	75	44	58	226	58	74	36	43	55	56	49
	Private Sector										
Residential:	1,650	1,970	2,797	2,174	2,035	1,304	2,581	1,872	2,388	1,913	2,641
Bungalow	283	198	243	174	170	54	83	96	61	125	141
Semi-detached	428	444	732	378	292	318	309	242	212	203	280
Terrace	337	622	1,042	578	268	175	322	180	357	309	204
Flats	601	701	779	1,014	1,291	720	1,863	1,352	1,739	1,274	2,000
Shophouses	-	1	-	29	13	37	1	1	11	-	15
Others	1	4	1	1	1	-	3	1	8	2	1
Non-Residential:	245	225	202	201	260	282	256	283	381	440	394
Commercial	66	128	89	79	105	112	68	70	87	118	125
Industrial	162	77	89	96	132	113	155	180	265	284	238
Educational	5	4	8	7	11	12	4	4	4	11	3
Others	12	16	16	19	12	45	29	29	25	27	28

8.7 FLOOR AREA OF BUILDINGS COMPLETED

Thousand Square Metres

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Public and Private Sectors											
Residential:	1,915	2,175	2,824	3,431	3,688	3,570	3,898	3,243	2,538	2,001	2,886
Bungalow	94	71	89	68	70	78	35	39	40	49	53
Semi-detached	103	109	180	101	79	80	83	56	76	55	77
Terrace	68	118	190	122	54	34	67	35	72	57	56
Flats	1,603	1,848	2,301	3,081	3,423	3,274	3,558	3,002	2,275	1,772	2,639
Shophouses	45	23	63	58	61	100	145	99	62	51	61
Others	2	6	1	1	1	4	10	12	13	17	-
Non-Residential:	1,134	1,330	1,089	1,604	1,540	1,612	1,834	1,298	2,155	2,357	2,627
Commercial	569	586	488	806	663	353	612	423	651	555	748
Industrial	477	561	460	606	566	769	958	637	1,091	1,286	1,317
Educational	38	38	55	70	182	169	58	63	123	128	317
Others	50	145	86	122	129	321	206	175	290	388	245
Public Sector											
Residential:	1,553	1,734	2,181	2,891	3,176	3,233	3,293	2,829	1,971	1,576	2,302
Bungalow	-	-	1	-	3	-	-	-	-	-	-
Semi-detached	-	-	1	-	-	-	-	-	-	-	1
Terrace	-	-	-	1	-	-	-	-	-	-	-
Flats	1,507	1,712	2,115	2,839	3,115	3,138	3,142	2,719	1,911	1,511	2,244
Shophouses	45	22	63	51	58	91	145	99	60	51	57
Others	1	-	1	-	-	4	6	11	-	14	-
Non-Residential:	246	461	221	499	732	913	1,024	455	912	1,061	1,098
Commercial	124	110	65	156	351	131	392	105	184	110	213
Industrial	70	220	71	183	164	380	515	195	454	536	380
Educational	23	6	20	57	134	129	47	41	118	86	312
Others	29	125	65	103	83	273	70	114	156	329	193
Private Sector											
Residential:	362	441	643	540	512	337	605	414	567	425	584
Bungalow	94	71	88	68	67	78	35	39	40	49	53
Semi-detached	103	109	179	101	79	80	83	56	76	55	76
Terrace	68	118	190	121	54	34	67	35	72	57	56
Flats	96	136	186	242	308	136	416	283	364	261	395
Shophouses	-	1	-	7	3	9	-	-	2	-	4
Others	1	6	-	1	1	-	4	1	13	3	-
Non-Residential:	888	869	868	1,105	808	699	810	843	1,243	1,296	1,529
Commercial	445	476	423	650	312	222	220	318	467	445	535
Industrial	407	341	389	423	402	389	443	442	637	751	937
Educational	15	32	35	13	48	40	11	22	5	42	5
Others	21	20	21	19	46	48	136	61	134	58	52

8.8 FLOOR AREA OF PRIVATE SECTOR COMMERCIAL BUILDINGS

Thousand Square Metres

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Buildings Commenced	376	151	181	272	456	364	514	456	701	1,225	2,387
Hotels	-	-	12	28	153	47	51	43	275	193	601
Shops	80	12	9	99	64	92	145	74	122	291	328
Offices	165	49	80	71	142	34	85	129	85	297	234
Restaurants	13	3	1	4	10	11	8	15	41	43	121
Car Parks	78	62	1	28	38	41	54	51	106	273	378
Godowns & Warehouses	22	22	63	33	32	106	45	30	39	44	361
Others	18	3	15	9	17	33	126	114	33	84	364
Buildings Under Construction (End of period)	1,810	1,485	1,243	865	1,010	1,152	1,447	1,585	1,820	2,600	4,454
Hotels	216	153	82	102	255	274	240	271	390	513	1,054
Shops	317	274	219	170	197	256	328	305	351	570	810
Offices	836	644	536	332	299	286	339	381	336	559	656
Restaurants	58	51	42	27	33	17	24	32	70	104	205
Car Parks	279	291	235	114	131	145	198	184	248	472	795
Godowns & Warehouses	49	17	70	73	46	126	155	171	178	186	433
Others	55	55	59	47	49	48	163	241	247	196	501
Buildings Completed	445	476	423	650	312	222	219	318	467	445	535
Hotels	204	63	83	8	-	28	86	11	156	71	60
Shops	50	56	63	147	38	33	73	97	75	72	88
Offices	91	242	187	277	176	45	32	87	130	73	138
Restaurants	11	10	10	19	4	27	1	7	4	9	20
Car Parks	40	49	57	149	21	28	-	66	43	50	54
Godowns & Warehouses	44	53	11	29	58	26	16	14	32	35	116
Others	5	3	12	21	15	35	11	36	27	135	59

8.9 UNITS UNDER MANAGEMENT OF HOUSING AND DEVELOPMENT BOARD

End of Year	Dwellings						Number
	Total	One-Room	Two-Room	Three-Room	Four-Room	Five-Room	Shops
1972	147,636	52,272	32,930	57,727	4,660	47	4,555
1973/74 ¹	178,505	62,641	33,190	73,163	8,628	883	5,324
1974/75	207,572	69,294	36,393	86,715	12,655	2,515	5,927
1975/76	234,438	72,467	38,125	99,886	18,019	5,941	6,355
1976/77	264,698	74,460	41,501	114,378	24,648	9,711	7,702
1977/78	304,459	75,008	44,415	132,420	37,643	14,973	9,441
1978/79	337,247	76,062	45,878	152,266	44,737	18,304	10,740
1979/80	362,949	76,528	47,692	166,849	51,646	20,234	11,955
1980/81	375,514	69,014	48,759	177,598	56,722	23,421	14,238
1981/82	384,557	66,768	48,578	182,398	60,654	26,159	16,696
1982/83	400,656	65,257	48,634	191,063	66,041	29,661	16,708

Note: Figures include units managed by Jurong Town Corporation (from 1972-April 1982) and Housing and Urban Development Company (from 1976/77-April 1982).

Source: Housing and Development Board

- 1 Refers to financial year 1 January 1973 to 31 March 1974.
From 1974 figures refer to 1 April to 31 March.

8.10 UNITS CONSTRUCTED AND SOLD BY HOUSING AND DEVELOPMENT BOARD

Year	Shops and Flats Constructed	Flats Sold Under 'Home Ownership Scheme'	Percentage of Total Population Living in Public Flats (End of Period)
	Number		
1972	23,024	9,142	43.7
1973/74 ¹	30,219	21,189	45.1
1974/75	31,775	18,693	50.0
1975/76	32,954	22,147	54.8
1976/77	32,593	35,121	60.2
1977/78	34,047	42,248	64.7
1978/79	27,187	31,583	69.0
1979/80	26,917	42,900	71.9
1980/81	17,927	32,267	74.1
1981/82	17,120	25,489	74.1
1982/83	22,180	22,620	75.0

Note: Figures include units constructed and sold by Jurong Town Corporation and Housing and Urban Development Company.

Source: Housing and Development Board

- 1 Refers to financial year 1 January 1973 to 31 March 1974.
From 1974 figures refer to 1 April to 31 March.

9. EXTERNAL TRADE

Source of Data

Statistics on the external trade of Singapore are compiled by the Department of Statistics from import and export declarations which are submitted to the Controller and Registrar of Imports and Exports, or the Comptroller of Customs and Excise, Singapore, except for the following:

- (i) Postal packages which are based on particulars furnished by the Postal Authorities; and
- (ii) Bunkers and stores supplied to non-Singapore registered ships and aircraft, which are compiled from statements furnished by ships' and aircraft agents to the Department of Statistics.

Coverage

The "general" system of recording trade statistics is adopted in Singapore. Under this system, all goods imported into or exported from Singapore are included in the external trade statistics except the following:

- (i) All transshipment cargo on through bills of lading or through air waybills;
- (ii) Fish and other marine produce landed by Singapore and Peninsular Malaysian registered vessels direct from sea;
- (iii) Goods imported and exported by, or on behalf of, diplomatic services and Armed Forces;

- (iv) Exposed cinematographic films imported or exported on rental basis;
- (v) Television news films, news or press materials;
- (vi) Animals and vehicles temporarily brought in or out for races or competitions;
- (vii) Goods temporarily imported or exported solely for exhibition purposes and intended to be returned after the exhibition;
- (viii) Ships and aircraft arriving for or departing after repair;
- (ix) Containers, cylinders, bottles and the like specified as returnable;
- (x) Personal and household effects accompanying

- passengers or crews;
- (xi) Samples, gifts and specimens for test or analysis not exceeding the value of \$300;
- (xii) Gold bullion; and
- (xiii) Issued currency notes and coins.

Ships and aircraft are included if they are imported or exported as merchandise purchased or sold by an owner in Singapore whether or not they arrived or departed under their own power. Bunker fuel and stores supplied to ships and aircraft of non-Singapore registration are included in these statistics.

Goods in transit through Singapore between countries other than Peninsular Malaysia are excluded.

But goods via Singapore to or from Peninsular Malaysia are recorded as imports and subsequently as exports. Goods are regarded as in transit when they are brought into Singapore for the sole purpose of transshipment and remain in the custody of the carrier agents or the Port of Singapore Authority while in Singapore.

Definitions and Terms Used

'Imports' refer to all goods brought into Singapore, except those specified as excluded under the **Coverage** section, irrespective of whether they are for consumption, for processing, for use in manufacturing, or for subsequent re-shipment to other countries.

'Exports' refer to all goods taken out of Singapore, except those

specified as excluded under the **Coverage** section.

'Domestic Exports' refer to exports of Singapore origin and comprise (i) primary commodities grown or produced in Singapore; and (ii) goods which have been transformed, that is, manufactured, assembled or processed in Singapore including those with imported materials or parts.

Valuation

Imports from and exports to countries are valued at cif and fob respectively. For trade with Peninsular Malaysia prior to 1975, imports into Singapore were valued fob Peninsular Malaysia and exports from Singapore were valued cif Peninsular Malaysia.

Classification

With effect from 1 January 1979, the trade classification adopted for documenting Singapore external trade is the Singapore Trade Classification and Customs Duties, 1979, which is based on Customs Co-

operation Council Nomenclature (CCCN). However, for the publication of external trade statistics, a classification based on the Standard International Trade Classification (Revision 2) is used. Imports are classified by country of origin and exports by country of destination.

9.1 TOTAL TRADE BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	15,687.4	21,419.7	34,559.5	32,028.3	38,670.4	45,612.2	52,586.8	69,274.5	92,797.1	102,538.8	104,717.4
South East Asia	3,860.6	4,845.3	7,004.0	6,089.4	7,424.2	8,651.8	10,103.1	14,169.1	18,485.2	19,709.8	21,454.3
Malaysia	2,785.2	3,652.6	5,033.5	4,426.7	5,685.1	6,340.0	6,987.1	9,820.8	13,333.6	14,116.2	15,924.5
Thailand	483.7	513.3	885.8	851.7	1,002.3	1,133.1	1,708.8	2,406.8	2,828.3	2,862.2	2,839.8
Brunei	113.3	123.8	156.9	285.6	291.9	438.1	585.2	834.9	1,016.0	1,373.7	1,246.7
Philippines	69.3	114.2	170.9	203.8	219.0	455.1	484.3	676.1	746.3	807.4	911.0
North East Asia	3,719.9	5,182.0	8,284.1	7,329.1	8,970.4	10,831.3	13,080.4	16,150.2	21,959.9	25,679.9	26,429.3
Japan	2,266.9	3,008.8	5,264.4	4,367.2	5,259.6	6,392.1	7,894.2	9,498.2	12,500.7	15,445.0	15,634.9
Hong Kong	616.2	840.3	1,372.3	1,364.8	1,803.3	2,125.2	2,361.8	2,924.9	4,251.0	4,974.4	5,002.3
People's Republic of China	456.5	701.6	769.7	780.5	754.4	815.1	906.2	1,263.7	1,990.0	2,007.1	2,397.7
Taiwan	296.3	440.1	519.7	514.7	703.6	876.1	1,081.8	1,434.8	1,918.3	1,881.7	1,885.7
Republic of Korea	75.8	156.4	288.2	251.8	389.4	573.9	734.7	924.3	1,206.6	1,282.8	1,422.2
South Asia	251.9	409.9	548.2	541.6	602.2	923.8	1,515.0	1,807.5	2,836.6	3,118.9	3,336.6
India	108.4	169.9	237.5	236.5	295.0	536.2	809.7	708.9	1,208.1	1,474.3	1,559.8
Sri Lanka	25.2	52.4	82.1	95.8	67.7	111.1	218.8	371.8	412.3	412.3	678.5
Bangladesh	25.0	46.3	69.1	68.7	81.0	81.7	234.8	284.6	576.7	625.9	589.7
Pakistan	71.5	117.1	109.4	97.9	122.5	142.0	181.8	413.7	534.2	373.9	311.8
West Asia	1,232.4	1,542.4	4,859.7	4,840.7	6,367.9	7,060.7	7,689.9	10,265.8	14,207.1	18,554.8	17,450.1
Saudi Arabia	271.0	420.0	1,275.0	1,880.8	3,737.8	4,074.9	4,282.4	4,722.8	7,236.9	11,836.1	10,683.8
Iran	277.7	326.9	1,119.2	1,065.6	891.7	1,086.1	1,001.5	620.8	674.6	961.8	2,480.9
Kuwait	435.2	373.2	1,241.1	637.7	406.7	391.5	458.5	1,870.5	3,026.3	2,248.9	1,169.0
United Arab Emirates	22.2	143.4	271.4	312.1	255.1	313.0	353.2	513.7	1,090.6	1,623.1	1,165.5
Bahrain	87.4	88.5	186.7	148.5	311.0	314.8	308.2	490.8	735.7	746.5	981.1
Iraq	41.9	52.9	259.6	290.0	330.7	584.1	828.9	1,505.2	589.6	153.3	51.6

9.1 TOTAL TRADE BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
EEC	2,344.0	3,333.9	4,537.9	4,291.2	4,851.9	5,666.2	6,356.3	8,582.1	10,648.0	10,360.4	10,349.1
Federal Republic of Germany	540.0	800.4	1,140.5	1,117.7	1,386.9	1,649.4	1,877.3	2,473.2	2,924.1	2,736.6	2,887.0
United Kingdom	975.3	1,245.2	1,570.8	1,495.8	1,447.1	1,603.3	1,841.6	2,311.1	2,840.4	2,793.5	2,613.1
France	242.5	402.3	497.1	491.5	686.1	755.6	889.9	1,156.0	1,605.1	1,764.0	1,795.8
Netherlands	227.4	335.5	506.3	523.4	493.4	641.1	694.2	1,093.3	1,304.8	1,194.9	1,211.3
Italy	189.8	292.3	414.9	335.1	396.4	486.8	575.9	840.7	1,017.2	957.4	951.1
EFTA	242.6	384.8	569.1	523.8	692.1	792.2	847.1	1,190.0	1,670.9	1,518.6	1,569.6
Switzerland	94.7	134.3	182.7	196.6	226.4	267.5	344.2	406.9	554.1	496.7	515.0
Other Western Europe	70.2	115.0	154.2	119.0	188.2	269.0	316.9	383.9	429.2	336.1	391.7
Socialist Countries of Eastern Europe	221.1	358.5	466.3	288.2	431.3	451.6	563.6	743.7	904.8	727.7	853.2
USSR	125.6	197.7	262.2	144.2	208.4	259.4	311.9	447.2	558.1	440.0	640.3
North America	2,398.6	3,542.1	5,212.4	5,030.8	5,664.7	6,682.2	7,814.6	10,205.3	13,065.1	13,870.2	13,873.8
United States	2,288.9	3,400.9	4,958.8	4,799.4	5,354.0	6,348.0	7,456.3	9,755.4	12,509.2	13,205.1	13,368.7
Canada	109.6	141.3	253.5	231.3	310.7	334.2	358.2	449.9	555.9	665.1	505.1
LAFTA	108.7	196.0	323.8	259.3	357.2	548.6	542.1	771.0	762.0	639.1	649.8
Brazil	32.4	73.2	153.2	93.7	168.5	228.9	285.6	381.4	330.2	250.7	306.5
Oceania	850.4	967.0	1,793.4	1,913.1	2,046.6	2,340.0	2,306.6	3,134.6	4,635.5	4,725.0	4,954.2
Australia	680.7	771.3	1,258.7	1,298.7	1,409.2	1,635.2	1,526.0	1,992.9	2,833.1	2,978.0	3,172.4
New Zealand	94.6	120.4	250.8	299.8	258.3	281.6	328.5	560.8	939.1	794.8	891.8
Rest of the World	387.0	542.8	806.4	802.3	1,073.7	1,394.9	1,451.2	1,871.3	3,192.8	3,298.3	3,405.7

9.2 IMPORTS BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	9,538.0	12,512.9	20,404.9	19,270.4	22,404.5	25,521.9	29,601.3	38,334.4	51,344.8	58,248.0	60,244.6
South East Asia	1,862.5	2,491.2	3,399.4	2,769.3	3,985.7	4,484.7	5,112.3	7,199.9	8,914.7	9,290.7	10,070.9
Malaysia	1,507.7	2,039.9	2,686.2	2,238.5	3,204.2	3,466.0	3,793.6	5,393.4	7,115.6	7,209.5	8,065.6
Thailand	269.3	312.3	542.6	406.3	516.3	571.0	814.7	1,086.3	1,019.0	997.6	1,131.8
Brunei	8.0	18.8	4.9	5.8	52.1	145.5	226.8	379.2	424.2	691.1	477.6
Philippines	31.0	38.1	53.5	68.1	91.6	167.0	148.9	160.6	160.2	226.7	218.9
North East Asia	2,781.8	3,660.1	5,280.4	4,924.2	5,566.9	6,664.6	8,265.1	9,690.2	13,372.4	15,630.9	16,011.9
Japan	1,874.5	2,295.5	3,653.9	3,254.3	3,590.8	4,474.0	5,668.2	6,530.5	9,162.4	10,957.4	10,791.0
Hong Kong	242.8	354.0	470.9	427.8	536.7	651.2	731.4	836.5	1,055.1	1,093.0	1,261.3
People's Republic of China	399.1	573.2	643.9	682.0	659.0	670.4	775.5	894.1	1,332.1	1,629.8	1,881.0
Taiwan	228.9	339.8	348.6	383.6	536.9	583.8	732.6	984.2	1,216.3	1,275.1	1,309.9
Republic of Korea	31.5	80.2	144.9	144.9	206.8	260.3	334.6	423.9	584.7	661.3	743.8
South Asia	142.4	229.3	276.7	222.7	277.6	294.3	297.8	309.3	443.6	520.1	795.0
India	73.9	115.6	167.0	137.0	181.9	190.0	188.1	218.7	246.4	280.7	408.2
Sri Lanka	9.2	14.8	26.0	42.9	29.4	30.8	35.1	32.8	37.6	53.2	254.4
Bangladesh	5.6	6.9	5.3	4.9	15.1	10.9	18.5	8.7	42.8	30.4	21.4
Pakistan	45.9	83.6	67.9	28.6	40.2	44.8	43.0	36.5	91.5	125.3	94.2
West Asia	1,098.2	1,334.5	4,334.4	4,207.7	5,493.4	6,010.4	6,390.2	8,281.6	11,731.3	15,658.5	14,466.3
Saudi Arabia	249.2	384.3	1,172.3	1,675.5	3,538.4	3,781.4	3,908.6	4,019.9	6,412.3	10,771.5	9,408.3
Iran	267.1	301.7	1,066.0	1,001.8	822.3	1,004.7	862.2	561.2	473.7	753.4	1,931.1
Kuwait	425.4	356.9	1,216.5	601.3	333.4	308.4	355.9	1,698.4	2,838.6	1,995.4	948.3
United Arab Emirates	7.5	104.2	156.0	182.6	21.3	44.2	35.8	31.8	484.4	899.5	809.9
Bahrain	78.1	76.2	162.2	107.7	240.4	254.0	251.5	390.7	667.3	675.3	900.4
Iraq	30.8	43.2	191.1	253.6	296.9	548.6	769.5	1,363.5	457.8	35.2	0.9

9.2 IMPORTS BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
EEC	1,433.3	1,770.5	2,684.0	2,508.1	2,435.9	2,822.1	3,477.2	4,331.8	5,566.8	5,694.3	6,200.5
Federal Republic of Germany	368.7	497.0	712.3	636.2	739.0	880.3	1,117.6	1,419.0	1,677.1	1,610.4	1,912.4
United Kingdom	635.9	692.7	996.3	956.0	851.2	957.0	1,116.8	1,347.3	1,771.2	1,742.9	1,708.4
France	113.0	162.8	234.2	266.8	284.0	310.7	441.4	484.3	699.0	967.6	1,124.6
Netherlands	125.6	146.5	274.6	280.5	219.5	241.5	280.8	373.9	520.8	462.6	452.1
Italy	109.7	168.5	237.1	211.7	185.2	243.4	318.6	423.7	484.2	543.0	589.5
EFTA	175.9	289.9	414.8	356.8	379.3	457.3	597.4	835.5	1,182.8	1,104.4	1,177.0
Switzerland	87.6	116.5	158.2	164.7	183.7	217.5	276.3	337.7	428.4	378.3	418.1
Other Western Europe	8.8	19.1	34.2	29.0	38.0	40.0	67.3	112.5	99.3	76.3	174.8
Socialist Countries of Eastern Europe	43.9	56.0	85.7	63.0	101.4	133.6	142.7	177.8	171.3	214.2	269.7
USSR	24.0	21.6	25.7	18.2	48.9	63.9	52.9	52.0	51.2	96.7	175.6
North America	1,372.9	1,934.8	2,969.1	3,130.0	3,066.0	3,336.9	3,915.4	5,666.4	7,510.1	7,633.1	7,995.6
United States	1,339.8	1,885.6	2,858.1	3,024.0	2,960.5	3,227.2	3,771.8	5,489.5	7,237.2	7,356.4	7,775.4
Canada	33.1	49.3	111.0	105.9	105.5	109.7	143.6	176.9	272.9	276.7	220.2
LAFTA	35.2	40.2	62.3	94.5	105.9	226.3	201.2	219.5	254.3	225.0	373.0
Brazil	20.3	27.5	48.1	43.5	64.7	107.3	137.0	129.7	168.2	131.4	212.8
Oceania	439.0	496.2	669.7	749.8	696.2	779.2	777.2	1,026.8	1,383.4	1,502.5	1,663.8
Australia	385.9	442.1	571.0	661.5	578.0	644.6	597.5	843.4	1,162.3	1,207.5	1,400.3
New Zealand	51.8	49.4	74.8	78.6	92.9	88.6	123.7	150.4	188.8	225.1	221.4
Rest of the World	144.0	191.1	194.2	215.4	258.2	272.5	357.5	483.1	714.9	698.0	1,046.1

9.3 EXPORTS BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	6,149.4	8,906.8	14,154.6	12,757.9	16,265.9	20,090.3	22,985.5	30,940.1	41,452.3	44,290.8	44,472.8
South East Asia	1,998.1	2,354.1	3,604.6	3,320.1	3,438.5	4,167.1	4,990.8	6,969.2	9,570.5	10,419.1	11,383.4
Malaysia	1,277.5	1,612.7	2,347.3	2,188.2	2,480.9	2,874.0	3,193.5	4,427.4	6,218.0	6,906.7	7,858.9
Thailand	214.4	201.0	343.2	445.4	486.0	562.1	894.1	1,320.5	1,809.3	1,864.6	1,708.0
Brunei	105.3	105.0	152.0	279.8	239.8	292.6	358.4	455.7	591.8	682.6	769.1
Philippines	38.3	76.1	117.4	135.7	127.4	288.1	335.4	515.5	586.1	580.7	692.1
North East Asia	938.1	1,521.9	3,003.7	2,404.9	3,403.5	4,166.7	4,815.3	6,460.0	8,587.5	10,049.0	10,417.4
Japan	392.4	713.3	1,610.5	1,112.9	1,668.8	1,918.1	2,226.0	2,967.7	3,338.3	4,487.6	4,843.9
Hong Kong	373.4	486.3	901.4	937.0	1,266.6	1,474.0	1,630.4	2,088.4	3,195.9	3,881.4	3,741.0
People's Republic of China	57.4	128.4	125.8	98.5	95.4	144.7	130.7	369.6	657.9	377.3	516.7
Taiwan	67.4	100.3	171.1	131.1	166.7	292.3	349.2	450.6	702.0	606.6	575.8
Republic of Korea	44.3	76.2	143.3	106.9	182.6	313.6	400.1	500.4	621.9	621.5	678.4
South Asia	109.5	180.6	271.5	318.9	324.6	629.5	1,217.2	1,498.2	2,393.0	2,598.8	2,541.6
India	34.5	54.3	70.5	99.5	113.1	364.2	621.6	490.2	961.7	1,193.6	1,151.6
Sri Lanka	16.0	37.6	56.1	52.9	38.3	80.3	183.7	283.5	334.2	359.1	424.1
Bangladesh	19.4	39.4	63.8	63.8	65.9	70.8	216.3	275.8	533.9	595.5	568.3
Pakistan	25.6	33.5	41.5	69.3	82.3	97.2	138.8	377.2	442.7	248.6	217.6
West Asia	134.2	207.9	525.3	633.0	874.5	1,050.3	1,299.7	1,984.2	2,475.8	2,896.3	2,983.8
Saudi Arabia	21.8	35.7	102.7	205.3	199.4	293.5	373.8	702.9	824.6	1,064.6	1,275.5
Iran	10.6	25.2	53.2	63.8	69.4	81.4	139.3	59.6	200.9	208.4	549.8
Kuwait	9.8	16.3	24.6	36.4	73.3	83.1	102.6	172.1	187.7	253.5	220.7
United Arab Emirates	14.7	39.2	115.4	129.5	233.8	268.8	317.4	481.9	606.2	723.6	355.6
Bahrein	9.3	12.3	24.5	40.8	70.6	60.8	56.7	100.1	68.4	71.2	80.7
Iraq	11.1	9.7	68.5	36.4	33.8	35.5	59.4	141.7	131.8	118.1	50.7

9.3 EXPORTS BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
EBC	910.7	1,563.4	1,853.9	1,783.1	2,416.0	2,844.1	2,879.1	4,250.3	5,081.2	4,666.1	4,148.6
Federal Republic of Germany	171.3	303.4	428.2	481.5	647.9	769.1	759.7	1,054.2	1,247.0	1,126.2	974.6
United Kingdom	339.4	552.5	574.5	539.8	595.9	646.3	724.8	963.8	1,069.2	1,050.6	904.7
France	129.5	239.5	262.9	224.7	402.1	444.9	448.5	671.7	906.1	796.4	671.2
Netherlands	101.8	189.0	231.7	242.9	273.9	399.6	413.4	719.4	784.0	732.3	759.2
Italy	80.1	123.8	177.8	123.4	211.2	243.4	257.3	417.0	533.0	414.4	361.6
EFTA	66.7	94.9	154.3	167.0	312.8	334.9	249.7	354.5	488.1	414.2	392.6
Switzerland	7.1	17.8	24.5	31.9	42.7	50.0	67.9	69.2	125.7	118.4	96.9
Other Western Europe	61.4	95.9	120.0	90.0	150.2	229.0	249.6	271.4	329.9	259.8	216.9
Socialist Countries of Eastern Europe	177.2	302.5	380.6	225.2	329.9	318.0	420.9	565.9	733.5	513.5	583.5
USSR	101.5	176.1	236.4	126.0	159.5	195.5	259.0	395.2	506.9	343.3	464.7
North America	1,025.7	1,607.3	2,243.3	1,900.8	2,598.7	3,345.3	3,899.2	4,538.9	5,555.0	6,237.1	5,878.2
United States	949.1	1,515.3	2,100.7	1,775.4	2,393.5	3,120.8	3,684.5	4,265.9	5,272.0	5,848.7	5,593.3
Canada	76.5	92.0	142.5	125.4	205.2	224.5	214.6	273.0	283.0	388.4	284.9
LAFTA	73.5	155.7	261.6	164.8	251.3	322.3	340.9	551.5	507.7	414.1	276.8
Brazil	12.1	45.7	105.1	50.2	103.8	121.6	148.6	251.7	162.0	119.3	93.7
Oceania	411.4	470.8	1,123.7	1,163.3	1,350.4	1,560.8	1,529.4	2,107.8	3,252.1	3,222.5	3,290.4
Australia	294.8	329.2	687.7	637.2	831.2	990.6	928.5	1,149.5	1,670.8	1,770.5	1,772.1
New Zealand	42.8	71.0	176.0	221.2	165.4	193.0	204.8	410.4	750.3	569.7	670.4
Rest of the World	242.9	351.8	612.1	586.9	815.4	1,122.4	1,093.7	1,388.2	2,477.9	2,600.3	2,359.6

9.4 DOMESTIC EXPORTS BY REGION AND SELECTED COUNTRY

Million Dollars

Region/Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	3,101.0	4,412.2	8,413.6	7,540.4	9,362.4	11,651.8	13,226.2	18,200.4	25,805.2	29,452.0	29,157.8
South East Asia	803.2	921.1	1,716.2	1,325.1	1,166.2	1,477.6	1,868.4	2,794.8	4,382.9	5,094.2	5,637.9
Malaysia	302.5	433.1	784.1	672.5	710.6	771.5	896.7	1,365.0	2,254.3	2,915.8	3,618.4
Thailand	133.4	125.7	255.6	268.6	260.8	317.8	479.0	812.3	1,307.6	1,393.4	1,154.6
Brunei	52.6	38.1	54.0	127.0	93.1	118.3	151.1	190.0	268.5	283.3	315.0
Philippines	17.1	33.8	73.2	63.3	48.6	174.8	195.8	288.0	340.8	292.4	411.6
North East Asia	630.6	885.5	2,252.8	1,760.6	2,505.4	3,108.8	3,513.2	4,715.2	6,476.6	8,033.1	7,902.4
Japan	301.1	472.6	1,396.7	917.2	1,384.4	1,639.2	1,884.8	2,561.9	2,877.4	3,968.4	4,253.1
Hong Kong	295.6	360.4	750.6	752.5	981.8	1,165.8	1,258.8	1,630.6	2,659.4	3,249.0	2,751.0
People's Republic of China	2.9	6.9	17.6	22.1	49.7	53.8	35.9	151.4	238.2	114.1	117.6
Taiwan	28.1	31.0	55.9	56.1	53.1	139.6	171.0	179.0	387.2	324.2	293.6
Republic of Korea	2.0	5.6	21.7	9.6	21.4	96.0	118.3	168.6	292.1	343.3	449.5
South Asia	45.9	83.7	138.7	164.2	149.5	248.9	655.4	717.5	1,411.7	1,697.1	1,672.4
India	17.6	20.3	30.1	60.9	61.8	144.7	349.4	224.2	676.3	881.3	840.5
Sri Lanka	11.5	29.2	46.8	38.9	23.6	42.6	115.8	164.6	193.1	180.6	251.0
Bangladesh	6.3	15.9	33.3	22.5	22.5	15.5	112.3	181.0	356.6	446.1	454.7
Pakistan	6.1	13.5	15.6	25.8	31.3	36.2	55.2	111.4	126.8	81.7	64.2
West Asia	70.3	105.2	313.2	368.9	504.0	609.3	771.6	1,265.2	1,449.4	1,725.3	1,611.2
Saudi Arabia	11.0	22.0	78.4	156.6	123.3	178.0	251.7	462.7	467.7	532.6	510.0
Iran	1.5	3.0	17.7	20.4	35.1	26.1	59.0	20.8	60.7	93.6	505.0
Kuwait	7.4	11.9	17.1	23.0	50.5	64.2	71.7	126.0	100.4	188.2	123.0
United Arab Emirates	6.7	18.1	90.6	70.2	139.0	199.9	209.9	355.9	438.4	539.0	179.4
Bahrein	5.5	7.5	12.8	20.8	38.8	43.4	39.0	80.5	49.0	40.8	43.3
Iraq	8.4	6.7	17.3	18.2	14.0	16.8	32.1	84.0	77.4	70.8	32.8

9.4 DOMESTIC EXPORTS BY REGION AND SELECTED COUNTRY (continued)

Million Dollars

Region/Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
EEC	397.4	748.0	1,067.9	1,149.2	1,415.8	1,648.8	1,675.7	2,490.0	3,283.6	3,216.5	2,997.5
Federal Republic of Germany	84.1	169.1	282.7	360.0	432.2	505.0	501.6	672.1	942.0	827.2	721.9
United Kingdom	140.5	255.2	301.0	334.3	363.2	359.6	442.5	666.1	690.1	752.8	648.1
France	51.3	92.3	137.7	114.7	193.9	211.4	208.4	343.4	489.6	540.3	501.9
Netherlands	51.7	92.8	136.3	162.9	154.1	218.6	220.9	328.6	454.3	410.5	516.8
Italy	25.0	48.9	84.5	52.4	74.6	105.0	118.4	199.5	320.8	269.2	254.4
EFTA	42.5	65.4	121.3	141.6	269.2	276.2	189.1	250.0	357.5	320.3	302.5
Switzerland	4.6	15.5	19.1	28.1	36.1	42.8	59.1	50.4	87.1	78.1	70.8
Other Western Europe	7.4	10.0	19.5	16.1	14.2	33.4	31.2	42.1	75.3	77.4	65.5
Socialist Countries of Eastern Europe	34.3	38.2	96.0	69.2	70.4	91.7	85.6	108.5	171.6	165.2	201.9
USSR	18.9	19.4	65.0	40.5	40.1	54.0	53.4	62.1	101.8	92.6	143.2
North America	685.5	1,138.4	1,495.6	1,244.0	1,717.6	2,229.7	2,600.4	3,148.1	4,028.4	4,561.1	4,330.7
United States	655.3	1,102.0	1,436.2	1,177.2	1,623.3	2,136.2	2,513.7	3,026.2	3,894.1	4,397.0	4,196.2
Canada	30.1	36.4	59.3	66.8	94.3	93.5	86.7	121.9	134.3	164.1	134.6
LAPTA	3.2	6.4	19.3	21.8	11.0	17.7	29.2	126.5	468.5	100.2	84.5
Brazil	1.7	2.2	5.3	3.1	5.9	8.6	12.1	79.6	26.4	21.0	40.1
Oceania	256.1	262.4	846.4	891.6	1,037.4	1,164.8	1,185.9	1,722.1	2,815.3	2,743.2	2,681.3
Australia	167.0	165.5	457.0	422.4	580.4	666.0	671.0	871.4	1,344.8	1,428.0	1,299.4
New Zealand	22.2	35.7	142.2	191.6	122.4	141.6	149.7	344.0	683.6	486.0	579.3
Rest of the World	124.5	147.9	326.7	388.2	501.7	744.9	620.6	820.4	884.4	1,718.4	1,670.0

9.5 IMPORTS BY COMMODITY

Million Dollars

Commodity	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	9,538.0	12,512.9	20,404.9	19,270.4	22,404.5	25,521.9	29,601.3	38,334.4	51,344.8	58,248.0	60,244.1
Food	1,036.6	1,262.9	1,551.2	1,654.4	1,853.3	2,211.0	2,183.0	2,552.6	2,915.5	3,270.5	3,601.9
Cereals & Cereal Preparations	195.5	299.9	447.7	393.2	374.5	436.8	438.3	573.2	694.3	754.0	823.4
Fruits & Vegetables	250.3	280.7	338.7	376.8	445.7	487.8	547.2	599.3	674.1	792.2	805.0
Coffee & Spices	165.0	204.3	208.2	207.6	312.1	439.6	384.5	439.8	388.7	464.8	592.4
Beverages & Tobacco	128.2	112.7	117.9	130.3	139.4	150.0	176.0	207.3	276.0	282.2	339.5
Crude Materials	822.5	1,460.7	1,648.7	1,229.3	2,023.5	2,278.7	2,470.0	3,108.2	3,416.9	2,775.5	2,306.1
Crude Rubber	480.5	978.8	1,133.2	749.5	1,302.1	1,485.4	1,577.6	2,017.7	2,163.5	1,659.7	1,269.9
Wood	131.7	191.1	178.3	169.4	270.1	291.5	328.3	461.4	423.6	388.0	360.4
Mineral Fuels	1,385.4	1,618.2	4,897.8	4,734.1	6,140.9	6,524.2	7,081.5	9,672.7	14,889.2	19,831.1	20,479.6
Petroleum & Petroleum Products	1,383.3	1,614.1	4,891.3	4,730.5	6,136.6	6,519.5	7,074.5	9,668.0	14,879.5	19,819.2	20,471.4
Animal & Vegetable Oils	148.8	186.4	391.3	242.0	257.8	478.9	491.1	829.4	1,001.0	721.8	671.5
Unprocessed Vegetable Oils	139.6	174.7	367.3	198.0	186.6	272.7	190.0	414.0	239.6	226.9	114.2
Chemicals	501.7	723.6	1,220.6	1,119.6	1,116.2	1,319.3	1,597.6	2,178.5	2,686.7	2,756.1	2,790.7
Chemical Compounds	90.7	149.7	289.0	204.3	305.1	311.0	355.1	571.4	715.7	753.0	723.5
Plastic Materials	85.2	172.8	240.8	164.5	247.6	307.6	400.1	591.3	648.2	643.3	687.0
Manufactured Goods by Material	1,914.6	2,526.6	3,591.8	3,510.3	3,277.4	3,630.7	4,566.5	5,736.7	7,237.2	8,079.7	8,407.4
Textile Manufactures	819.0	1,034.4	973.9	886.9	1,062.5	1,124.7	1,401.4	1,666.1	1,835.6	1,905.0	1,923.7
Non-metal Mineral Manufactures	156.4	231.6	342.3	354.5	356.6	406.1	532.7	633.8	904.2	955.7	1,025.7
Iron & Steel	384.0	555.9	1,234.9	1,283.9	767.7	870.1	1,138.8	1,461.0	1,854.6	2,360.6	2,596.0
Metal Manufactures	246.8	267.2	425.9	497.5	458.1	524.8	621.6	800.5	1,072.2	1,301.6	1,344.2
Machinery & Transport	2,648.4	3,498.4	5,405.8	5,046.2	5,794.7	6,738.5	8,607.8	11,343.9	15,303.8	16,474.9	17,219.3
Non-electric Machinery	1,177.7	1,430.6	2,323.0	2,346.0	2,205.5	2,406.6	3,050.2	4,002.4	5,720.7	6,685.2	7,142.7
Electric Machinery	878.0	1,201.0	1,847.8	1,879.2	2,385.7	2,815.7	3,595.2	4,675.5	6,051.7	6,665.7	6,871.3
Transport Equipment	592.6	866.8	1,235.0	821.1	1,203.5	1,516.3	1,962.4	2,666.0	3,531.3	3,123.9	3,205.3
Miscellaneous Manufactured Articles	727.9	957.5	1,345.9	1,331.3	1,534.0	1,764.9	2,071.4	2,194.3	2,951.1	3,413.0	3,852.3
Scientific Instruments	303.1	360.4	540.8	491.8	580.6	657.0	825.5	973.7	1,373.4	1,479.7	1,584.8
Miscellaneous Transactions net	223.9	165.9	233.9	272.9	267.3	425.7	356.4	510.9	667.4	643.2	576.3

9.6 EXPORTS BY COMMODITY

Million Dollars

Commodity	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	6,149.4	8,906.8	14,154.6	12,757.9	16,265.9	20,090.3	22,985.5	30,940.1	41,452.3	44,290.8	44,472.8
Food	554.1	617.2	814.0	915.7	947.8	1,389.4	1,488.0	1,674.5	2,008.2	2,124.8	2,388.0
Cereals & Cereal Preparations	54.4	82.1	122.8	125.1	77.9	150.5	169.4	224.1	357.5	449.5	609.7
Fruits & Vegetables	113.9	114.0	137.8	150.6	165.3	191.9	205.1	223.3	252.8	303.2	320.9
Coffee & Spices	184.8	188.1	243.8	259.2	380.2	570.3	594.0	597.5	627.4	659.2	745.5
Beverages & Tobacco	66.0	37.4	38.6	40.9	48.9	65.2	99.9	131.6	157.2	174.3	217.0
Crude Materials	1,132.5	2,152.4	2,506.2	1,694.3	2,664.7	3,160.0	3,483.1	4,412.9	4,700.0	3,665.3	2,781.1
Crude Rubber	853.6	1,636.0	2,050.0	1,320.7	1,995.2	2,255.7	2,480.6	3,070.2	3,294.1	2,455.4	1,744.7
Wood	131.9	314.6	216.2	153.7	307.0	330.0	408.0	657.7	585.0	426.4	378.4
Mineral Fuels	1,168.1	1,367.8	3,693.0	3,451.2	3,783.8	4,874.1	5,329.0	7,414.5	11,965.7	14,175.6	14,616.6
Petroleum & Petroleum Products	1,159.9	1,356.3	3,654.1	3,407.6	3,743.7	4,834.6	5,279.1	7,337.2	11,828.0	13,980.6	14,437.3
Animal & Vegetable Oils	150.7	171.5	358.0	245.5	249.3	474.7	513.5	858.1	1,095.5	820.0	780.3
Unprocessed Vegetable Oils	147.3	168.2	349.0	232.7	217.3	386.5	347.8	684.6	840.6	581.7	560.9
Chemicals	218.9	393.6	917.1	475.7	609.8	716.1	870.5	1,124.3	1,418.5	1,556.3	1,722.4
Medicinal Products	33.4	84.4	161.8	173.9	194.0	213.7	233.5	267.5	323.3	319.2	342.8
Manufactured Goods by Materials	595.6	920.1	1,069.9	1,086.5	1,328.8	1,602.2	2,259.7	2,841.6	3,441.7	3,669.8	3,838.7
Wood Manufacture	118.4	234.5	199.7	200.7	279.6	297.5	351.4	482.5	549.2	539.3	495.9
Textile Manufactures	244.0	353.8	337.7	308.9	443.5	467.3	606.3	787.9	793.2	737.0	745.6
Iron & Steel	55.4	93.3	187.5	206.0	187.1	263.3	400.4	362.4	454.3	586.3	707.5
Metal Manufactures	74.6	101.8	143.9	158.3	175.7	228.5	287.1	389.5	450.7	578.5	516.9
Machinery & Transport	1,220.6	1,967.8	2,918.6	2,894.6	4,106.7	4,917.0	5,715.1	8,216.7	11,089.4	11,779.4	11,546.2
Non-electric Machinery	493.5	671.9	870.9	889.8	983.5	1,163.8	1,299.5	1,958.9	2,662.8	3,119.8	3,597.1
Electric Machinery	464.9	956.9	1,487.5	1,471.9	2,186.4	2,868.0	3,557.4	5,045.6	6,656.6	6,724.7	6,479.4
Transport Equipment	262.2	339.0	560.1	533.0	936.8	885.2	858.3	1,212.2	1,770.0	1,934.9	1,469.6
Miscellaneous Manufactured Articles	497.2	695.8	807.5	880.4	1,232.5	1,402.3	1,725.0	2,121.7	2,572.4	2,919.1	2,831.5
Clothing	223.0	319.7	310.5	277.8	448.7	514.1	672.2	811.0	912.8	990.1	979.7
Scientific Instruments	94.7	152.7	180.3	295.4	402.1	377.6	423.7	534.6	631.8	732.6	647.5
Miscellaneous Transaction nes	545.7	583.2	1,031.7	1,073.1	1,293.6	1,489.3	1,501.7	2,144.1	3,003.7	3,406.2	3,751.0

9.7 DOMESTIC EXPORTS BY COMMODITY

Million Dollars

Commodity	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	3,101.0	4,412.2	8,413.6	7,540.4	9,362.4	11,651.8	13,226.2	18,200.4	25,805.2	29,452.0	29,157.8
Food	123.0	168.5	252.8	278.1	204.9	296.5	343.9	450.1	600.6	536.7	449.1
Animal Feeding Stuffs	40.3	49.2	54.8	36.5	34.7	65.0	64.6	74.8	83.6	57.6	42.6
Beverages & Tobacco	10.5	12.9	18.0	25.8	29.7	43.6	74.4	88.0	102.7	116.2	134.1
Crude Materials¹	29.8	42.4	45.9	44.9	62.3	73.9	85.3	129.3	152.3	140.0	125.3
Mineral Fuels²	1,094.9	1,274.0	3,562.6	3,233.1	3,632.2	4,697.2	5,224.7	7,214.8	11,612.2	13,829.6	13,846.5
Animal & Vegetable Oils	33.4	40.7	66.8	56.1	62.6	129.4	170.7	229.8	393.7	470.3	482.6
Chemicals	68.6	183.9	583.4	208.2	268.3	325.5	389.2	458.0	572.9	609.7	690.7
Medicinal Products	7.6	57.1	115.5	135.7	152.5	168.8	183.4	205.5	258.2	237.4	260.3
Plastic Materials	13.3	25.2	49.4	23.4	48.1	66.5	95.1	92.7	99.6	100.6	108.5
Manufactured Goods by Materials	266.4	437.6	462.5	486.2	627.6	769.8	1,024.5	1,197.7	1,322.7	1,326.6	1,214.4
Wood Simply Shaped	92.6	186.0	150.2	144.7	195.3	199.2	252.9	366.7	414.3	363.6	289.5
Textile Yarn Thread	22.9	62.4	47.0	43.9	84.5	76.4	101.7	152.8	137.9	96.7	76.1
Cotton Fabrics Woven	29.4	40.4	43.9	43.6	66.2	71.5	73.8	75.9	79.8	72.5	72.5
Machinery & Transport	739.5	1,284.7	1,925.5	1,686.5	2,475.8	3,051.6	3,436.6	5,067.9	6,566.6	7,326.8	6,961.0
Office Machines	268.5	335.8	323.1	175.3	155.8	173.4	156.0	195.5	263.7	282.6	382.5
Other Non-electric Machines	13.0	22.0	69.9	86.7	118.3	160.4	205.2	220.4	158.8	357.1	434.5
Electric Generators	39.6	60.9	88.4	87.6	126.2	166.6	193.9	230.4	330.2	503.0	611.2
Telecommunications Apparatus	152.5	223.4	342.2	348.3	501.8	715.6	939.2	1,473.6	1,976.9	2,156.6	1,723.7
Other Electric Machinery	190.6	539.3	843.0	592.2	955.4	1,224.4	1,448.1	2,045.7	2,387.8	2,198.4	2,261.0
Ships & Boats	54.3	65.2	188.6	279.2	537.0	479.9	290.7	455.7	587.7	965.9	764.7
Miscellaneous Manufactured Articles	373.5	547.1	621.6	668.3	934.6	1,062.8	1,284.0	1,567.2	1,886.5	2,114.5	1,907.2
Clothing	194.7	292.6	276.3	236.2	372.9	440.0	558.9	670.3	757.3	800.3	752.8
Scientific Instruments	49.4	91.7	95.7	131.8	113.7	125.2	114.9	197.3	235.8	237.3	163.9
Watches & Clocks	6.6	8.7	16.9	84.6	175.4	108.0	136.3	109.9	143.5	175.2	150.1
Printed Matters	28.2	32.7	50.0	42.1	48.5	87.7	75.0	77.3	90.5	115.2	110.6
Toys & Sporting Goods	12.7	16.5	23.3	23.7	35.2	78.6	84.7	97.3	147.9	175.4	151.5
Miscellaneous Transactions nes	361.4	420.4	874.5	853.2	1,064.4	1,201.5	1,192.9	1,797.6	2,595.1	2,981.6	3,346.5
Oil Bunkers	343.8	399.6	850.6	840.3	1,046.1	1,174.7	1,173.2	1,773.3	2,568.0	2,948.4	3,314.7

1 Exclude processed rubber and sawn timber.

2 Figures from 1975 include petroleum naphtha which was previously included under chemicals.

9.8 IMPORTS OF SPECIFIC COMMODITY

Million Dollars

Year	Meat	Rice	Unmilled Cereals	Fruits and Nuts	Spices	Animal Feed	Crude Rubber	Sawn Timber	Crude Petroleum
1972	60.4	126.0	44.2	93.4	131.4	112.2	477.2	36.0	909.4
1973	78.3	163.1	107.5	102.5	151.1	119.6	974.4	110.2	1,139.2
1974	108.6	196.8	204.0	114.3	144.5	105.2	1,126.8	115.5	3,932.8
1975	106.3	122.2	211.8	134.8	156.3	138.9	745.5	105.1	3,597.0
1976	124.9	132.1	181.5	145.5	182.7	180.5	1,295.2	208.6	4,673.6
1977	137.1	131.5	243.2	171.5	217.9	220.9	1,477.9	244.0	5,447.2
1978	142.6	151.7	221.9	189.8	225.1	195.8	1,568.1	267.7	6,258.3
1979	182.7	162.0	327.1	230.8	239.1	216.1	2,004.4	352.0	8,312.2
1980	208.9	169.2	408.0	269.7	172.2	238.7	2,151.3	339.5	12,153.6
1981	257.1	192.9	409.7	347.6	185.5	183.9	1,650.8	294.0	17,474.7
1982	310.9	159.2	518.2	325.6	227.3	209.3	1,261.7	288.9	16,191.0

9.8 IMPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Petroleum Products	Vegetable Oil	Medicinal Products	Paper and Paperboard	Textile Yarn and Thread	Woven Textile Fabrics	Steel Plates, Bars, etc	Iron Pipes and Fittings	Generators
1972	474.0	139.6	74.9	98.9	65.3	630.2	255.4	86.9	308.5
1973	475.0	174.7	85.5	161.2	119.6	732.8	382.5	95.6	390.6
1974	958.5	367.3	124.1	229.1	126.4	621.3	739.5	391.8	559.7
1975	1,133.5	198.0	150.2	134.5	96.7	559.0	520.7	646.0	743.5
1976	1,463.0	186.6	119.2	179.9	100.3	712.6	468.1	183.6	780.2
1977	1,072.3	272.7	160.9	195.1	119.4	751.9	483.4	307.8	895.9
1978	816.2	190.0	161.4	253.3	137.8	979.3	650.8	357.9	1,169.3
1979	1,355.7	414.0	173.2	312.7	121.2	1,113.7	758.6	460.7	1,081.0
1980	2,725.9	239.6	206.8	414.6	207.0	1,228.4	1,037.5	591.4	1,500.1
1981	2,344.5	226.9	203.6	427.3	177.2	1,279.4	1,242.7	931.6	1,670.6
1982	4,280.4	114.2	210.7	387.3	141.9	1,313.5	1,263.0	1,060.8	1,924.5

9.8 IMPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Industrial Machinery	Telecommunications Apparatus	Other Machinery and Equipment	Motor Vehicles	Ships, Boats and Oil Rigs	Clothing	Scientific Instrument	Watches and Clocks	Toys and Games
1972	434.2	182.7	976.4	290.4	114.3	74.4	142.6	125.8	45.1
1973	549.7	244.9	1,236.1	395.2	229.3	90.3	179.2	149.1	54.2
1974	1,013.9	365.5	1,906.8	566.8	434.4	133.1	246.8	246.7	77.1
1975	821.4	390.4	1,929.0	333.0	298.4	143.4	210.8	233.1	91.0
1976	719.1	410.5	2,350.4	432.5	546.2	189.1	236.9	291.7	105.1
1977	657.1	517.8	2,763.8	567.7	579.1	220.9	265.2	321.4	143.1
1978	785.9	586.4	3,609.3	741.4	782.0	256.3	355.5	385.9	145.5
1979	1,208.2	997.8	4,155.8	967.8	692.7	238.5	514.2	377.7	152.4
1980	1,617.3	1,478.7	5,294.0	1,268.3	1,114.7	303.3	674.0	576.3	202.8
1981	1,681.4	1,446.1	6,150.1	1,264.5	1,259.6	415.1	806.3	541.9	237.3
1982	1,614.6	1,366.7	6,411.1	1,198.1	1,400.5	543.1	882.7	550.4	263.2

9.9 EXPORTS OF SPECIFIC COMMODITY

Million Dollars

Year	Spices	Coffee	Animal Feed	Crude Rubber	Sawn Timber	Petroleum Products	Vegetable Oil	Medicinal Products	Manufactured Fertilizers
1972	124.6	45.9	75.7	842.5	131.3	1,157.8	147.3	33.4	43.5
1973	118.7	40.5	100.7	1,626.9	313.6	1,354.1	168.2	84.4	61.2
1974	156.4	52.0	122.5	2,031.4	213.6	3,652.5	349.0	161.8	83.6
1975	182.2	51.0	88.5	1,302.6	152.1	3,355.8	232.7	173.9	62.2
1976	204.9	141.5	89.5	1,980.0	305.1	3,743.7	217.3	194.0	59.4
1977	243.1	266.1	186.1	2,236.7	319.3	4,782.4	386.5	213.7	81.6
1978	296.8	212.5	181.3	2,460.2	390.7	5,256.4	347.8	233.5	129.4
1979	288.7	177.8	198.3	3,069.3	640.8	7,301.8	684.6	267.5	133.5
1980	252.3	194.4	206.0	3,292.1	568.9	11,810.0	840.6	323.3	197.5
1981	248.5	203.0	128.8	2,454.0	401.9	13,953.5	581.7	319.2	188.5
1982	281.6	220.9	111.7	1,742.8	347.2	14,288.3	560.9	342.8	233.3

9.9 EXPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Telecommuni- cations Apparatus	Other Machinery and Equipment	Motor Vehicles	Ships, Boats and Oil Rigs	Furniture	Clothing	Scientific Instrument	Watches and Clocks	Printed Matter
1972	171.4	293.1	141.8	66.9	8.1	222.9	65.7	21.9	41.6
1973	249.4	714.4	181.4	93.7	12.7	319.7	113.4	32.1	48.6
1974	380.5	1,144.0	260.8	244.1	17.4	310.4	124.9	48.5	68.2
1975	400.5	1,157.9	190.9	309.0	18.8	277.7	173.7	114.5	62.3
1976	567.6	1,710.2	229.2	640.3	39.1	448.6	160.7	235.1	71.4
1977	803.9	2,158.4	276.3	532.1	48.1	514.1	181.7	184.9	113.1
1978	1,061.6	2,644.8	329.6	410.6	70.5	672.2	185.8	223.6	106.7
1979	1,722.8	3,445.7	333.8	722.6	109.2	811.0	328.5	189.8	115.2
1980	2,718.0	3,896.7	490.3	931.1	138.2	912.8	390.3	221.8	129.8
1981	2,642.5	3,852.7	464.8	1,137.7	179.0	990.1	454.2	250.9	166.0
1982	2,196.8	4,088.3	360.7	871.7	159.5	979.7	370.9	232.9	155.1

9.9 EXPORTS OF SPECIFIC COMMODITY (continued)

Million Dollars

Year	Crude Vegeta- ble Materials	Wood Simply Shaped	Textile Yarn and Thread	Woven Textile Fabrics	Steel Plates, Bars, etc	Tubes, Pipes and Fittings	Generators	Office Machines	Industrial Machinery
1972	47.5	114.5	38.3	172.1	32.4	18.9	104.6	282.2	86.2
1973	52.5	226.7	83.5	231.2	63.7	18.8	144.4	356.7	127.2
1974	64.0	188.4	90.9	198.4	117.2	48.5	228.2	341.7	193.3
1975	62.6	186.5	69.0	187.5	66.0	127.3	267.7	207.7	264.1
1976	79.8	261.1	104.2	263.6	91.8	80.3	346.9	184.7	289.6
1977	118.2	268.0	97.1	296.4	102.3	147.3	437.7	198.7	314.4
1978	133.4	336.0	132.3	379.8	152.2	229.4	453.8	187.6	352.2
1979	203.1	482.0	217.9	455.7	207.3	126.7	549.5	247.7	569.0
1980	212.0	548.2	198.9	466.5	252.5	170.0	760.6	341.3	799.8
1981	216.3	538.1	143.4	475.8	238.4	301.2	1,027.7	380.6	918.1
1982	225.7	495.4	112.3	527.7	225.4	436.7	1,287.1	638.2	899.0

10. TRANSPORT AND COMMUNICATION

Vessels Entered and Cleared

Data on the movement of vessels are compiled from declarations submitted to the Port Master (to Director of Marine prior to April 1973) by all merchant ships except fishing vessels entering or leaving Singapore waters. The data are given in number and net registered tonnage which is the close-in space for cargo and passenger accommodation.

Cargo Discharged and Loaded

Volume of cargo handled refers to those discharged and loaded at all parts of Singapore and is based on cargo summaries submitted to the Manifest Section of the Import and Export Office. The data include transshipment cargo but exclude military stores. Data on "mineral oil-in-bulk" cover crude and refined petroleum carried by tankers

discharged or loaded at the oil refineries, but exclude bunker fuel supplied to vessels. All other cargo, including vegetable oil-in-bulk, bulk cement, bulk wheat, bulk latex and live animals are shown as "General Cargo and Other Bulk Cargo".

Civil Air Traffic

All traffic movements are compiled from data supplied by the Department of Civil Aviation and relate primarily to passengers, freight and mail on commercial flights handled at the Paya Lebar Airport (up to 30 Jun 81), Changi Airport (from 1 Jul 81) and Seletar Aerodrome.

Passenger Movements

Data on arrivals and departures

of passengers are compiled from returns submitted by airline and shipping agents and cover all persons except those travelling between Singapore and Peninsular Malaysia.

Data on visitor arrivals are compiled from immigration embarkation/dis-embarkation forms completed by all persons arriving in Singapore at the points of entry.

Roads

Data on public roads refer to the length of roads in kilometres and are classified into major arterial roads, collector roads and local roads.

Major Arterial Roads - Rural highways and expressways entering the city area, principal road network for through traffic and roads linking principal areas of traffic generation.

Collector Roads - Distributor

and collector roads serving traffic between major arterial roads and local streets and also those used mainly for traffic movements between adjacent residential, commercial and industrial areas.

Local Roads - Roads used primarily for access to residential, commercial and industrial areas.

Vehicles Registered

Registration of motor vehicles is compulsory and licensing is renewable every six months or a year with the Registry of Vehicles. From 8 September 81, registration of non-motor vehicles is not compulsory.

Road Casualties

Data on road casualties are compiled from reports made to the Police on all traffic accidents occurring on roads.

10.1 VESSELS REGISTERED IN SINGAPORE
(End of Period)

Tonnage Class (Gross Registered Tons)	1978		1979		1980		1981		1982	
	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT
Total	1,742	7,959	1,583	7,690	1,552	7,420	1,682	7,776	1,780	7,730
Non-propelled or Below 100	813	389	731	350	765	392	898	498	974	592
100 & Above	929	7,570	852	7,340	787	7,028	784	7,278	806	7,138

Source: Marine Department

10.2 AGE DISTRIBUTION OF VESSELS REGISTERED IN SINGAPORE, DECEMBER 1982

Tonnage Class (Gross Registered Tons)	Age Group (Years)													
	0 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 and Above	
	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT	Number	'000 GRT
Total	718	1,799	457	2,812	315	1,633	111	548	92	564	66	336	21	38
Non-propelled or Below 100	572	378	246	139	138	65	10	8	4	2	1	-	3	-
100 to Below 500	63	14	54	14	38	10	30	9	8	2	-	-	2	-
500 to Below 1,000	8	6	10	8	21	19	16	14	9	7	5	4	3	3
1,000 to Below 5,000	26	83	33	112	41	106	21	46	24	58	28	64	11	21
5,000 to Below 10,000	8	55	40	302	30	234	18	150	32	270	24	180	2	14
10,000 & Above	41	1,263	74	2,237	47	1,199	16	321	15	225	8	88	-	-

Source: Marine Department

10.3 VESSELS LICENSED IN SINGAPORE

Number

End of Year	Vessels Other Than Fishing Vessels					Fishing Vessels		
	Total	Native Sailing Craft	Cargo Boats	Passenger Boats	Others ¹	Total	Powered Vessels	Non-powered Vessels
1972	2,902	64	2,346	492	..	776	535	241
1973	2,788	50	2,276	462	..	816	529	287
1974	2,631	35	2,150	446	..	769	509	260
1975	2,751	28	1,921	258	544	737	499	238
1976	2,981	26	2,077	286	592	709	493	216
1977	2,911	26	2,000	297	588	736	539	197
1978	3,004	28	1,938	477	561	719	546	173
1979	2,923	24	1,887	463	549	685	546	139
1980	2,877	21	1,829	458	569	641	511	130
1981	2,926	15	1,793	527	591	655	526	129
1982	2,840	13	1,650	609	568	622	514	108

¹ Figures refer to work boats, bum boats and tug boats.

Source: Marine Department
Department of Primary Production
Port of Singapore Authority

10.4 VESSELS ENTERED AND CLEARED

Year	Total				Vessels of Over 75 NRT ¹				Vessels of 75 NRT and Under and Native Crafts of All Types ¹			
	Entered		Cleared		Entered		Cleared		Entered		Cleared	
	Number	'000 NRT	Number	'000 NRT	Number	'000 NRT	Number	'000 NRT	Number	'000 NRT	Number	'000 NRT
1972	34,461	89,631	34,532	89,675	18,624	88,731	18,628	88,740	15,837	900	15,904	935
1973	36,511	94,984	36,705	93,994	18,948	93,564	18,884	92,518	17,563	1,420	17,821	1,476
1974	36,187	104,647	36,240	104,586	19,641	103,215	19,617	103,028	16,546	1,432	16,623	1,558
1975	38,518	104,267	38,522	104,332	20,216	102,587	20,201	102,608	18,302	1,680	18,321	1,724
1976	38,289	113,510	38,435	114,313	20,012	111,075	19,995	111,710	18,277	2,435	18,440	2,603
1977	39,088	130,596	39,343	129,890	20,602	128,264	20,616	127,355	18,486	2,332	18,727	2,535
1978	44,306	138,208	44,549	138,405	21,787	135,433	21,829	135,588	22,519	2,775	22,720	2,817
1979	47,729	153,581	47,925	153,424	23,704	149,846	23,721	149,655	24,025	3,735	24,204	3,769
1980	47,732	158,253	48,038	158,688	24,877	155,167	24,820	155,369	22,855	3,086	23,218	3,319
1981	50,837	177,247	50,967	176,073	26,134	173,272	26,097	171,951	24,703	3,975	24,870	4,122
1982	54,379	186,289	54,444	186,607	27,957	181,392	27,892	181,723	26,422	4,897	26,552	4,884

Note: Figures include vessels with cargo and in ballast, and exclude fishing vessels.

1 Include non-motorised vessels of all tonnages.

10.5 SEABORNE CARGO DISCHARGED AND LOADED

Thousand Freight Tonnes

Year	Discharged			Loaded		
	Total	General Cargo and Other Bulk Cargo	Mineral Oil-in-Bulk	Total	General Cargo and Other Bulk Cargo	Mineral Oil-in-Bulk
1972	35,651.8	7,140.5	28,511.3	21,412.4	4,555.4	16,857.0
1973	38,566.9	8,651.6	29,915.3	22,702.0	5,613.7	17,088.3
1974	37,713.6	9,092.7	28,620.9	22,738.9	5,665.1	17,073.8
1975	33,032.0	9,452.0	23,580.0	19,067.2	5,329.3	13,737.9
1976	37,703.1	10,900.5	26,802.6	20,273.4	6,481.2	13,792.2
1977	39,833.8	11,302.5	28,531.3	24,284.8	7,501.9	16,782.9
1978	44,832.5	13,237.8	31,594.7	28,506.7	9,082.0	19,424.7
1979	48,424.4	15,745.2	32,679.2	31,388.4	10,762.1	20,626.3
1980	48,550.0	16,917.3	31,632.7	32,412.5	11,553.4	20,859.1
1981	53,598.7	18,419.5	35,179.2	33,745.1	12,120.6	21,624.5
1982	59,995.9	21,088.6	38,907.3	35,665.0	12,610.2	23,054.8

10.6 SEABORNE CARGO DISCHARGED AND LOADED BY REGION AND SELECTED COUNTRIES OF ORIGIN AND DESTINATION

Thousand Freight Tonnes

Region/Country of Origin or Destination	1978		1979		1980		1981		1982	
	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded
ALL COUNTRIES	44,832.5	28,506.7	48,424.4	31,388.4	48,550.0	32,412.5	53,598.7	33,745.1	59,995.9	35,665.0
South East Asia	4,457.4	5,216.1	6,997.1	6,214.4	6,072.8	7,335.7	7,807.4	7,720.8	10,786.8	8,897.9
Peninsular Malaysia (West Coast)	189.1	914.3	446.6	1,386.9	604.9	2,172.2	515.4	2,288.1	748.8	3,047.1
Peninsular Malaysia (East Coast)	1,168.5	187.9	2,317.4	263.1	1,755.6	250.8	2,611.8	325.7	3,584.5	750.5
Sabah-Sarawak	877.8	964.8	1,435.9	1,079.9	1,170.4	1,290.8	1,575.5	1,336.3	2,845.6	1,346.2
Thailand	1,069.7	2,001.6	1,300.7	2,440.5	1,299.4	2,482.6	1,637.4	2,546.6	1,800.2	2,361.8
North East Asia	5,676.3	11,057.7	6,364.2	11,694.7	8,074.6	11,388.5	9,632.7	12,669.6	11,083.0	12,838.0
China People's Republic	489.9	82.2	550.4	115.8	856.1	185.4	1,451.6	275.9	1,627.3	559.0
Hong Kong	539.9	4,337.1	696.4	4,911.5	821.4	5,669.2	935.5	5,793.8	1,194.1	5,578.5
Japan	3,560.0	5,535.7	3,965.7	5,784.1	4,879.5	4,181.6	5,521.0	5,527.0	5,975.3	5,471.7
Taiwan	616.8	583.1	565.1	313.5	861.4	707.4	1,064.3	499.0	1,448.5	477.5
South Asia	487.4	1,951.2	418.5	1,948.7	586.4	2,576.9	620.6	2,403.2	994.3	2,355.1
Red Sea & Persian Gulf Area	28,665.6	1,822.0	28,491.2	2,174.4	25,968.1	2,211.3	28,055.9	2,613.6	28,084.5	3,400.4
Bahrain	1,218.9	61.9	1,591.1	183.7	1,662.3	60.1	1,629.4	66.7	1,691.0	107.0
Iran	2,978.6	83.3	2,221.0	80.4	1,198.5	92.2	1,230.9	144.8	4,070.8	659.5
Kuwait	1,782.7	108.2	5,569.9	138.2	5,860.8	187.9	3,185.4	322.9	3,040.1	290.6
Saudi Arabia	17,760.9	685.8	15,585.4	768.5	15,243.6	803.8	19,300.4	948.3	17,504.4	1,570.6
Mediterranean Sea (excluding France)	306.5	367.9	406.4	551.3	496.0	578.8	392.7	433.2	726.1	426.0
Other Africa	636.5	419.9	601.9	409.0	924.4	544.9	797.5	761.9	739.0	604.4
Atlantic Europe	1,536.1	1,513.1	1,733.2	1,980.6	2,015.0	2,037.4	2,203.7	1,830.9	2,293.4	1,774.1
France	166.8	252.0	180.1	354.4	226.5	426.5	294.0	313.4	320.0	289.5
Germany Federal Republic	519.3	279.1	551.5	337.7	560.9	368.3	675.7	373.2	757.2	350.9
Netherlands	289.5	432.4	353.2	658.3	485.0	811.6	562.5	595.2	485.5	699.9
United Kingdom	408.6	435.2	388.9	469.2	477.7	321.6	391.3	390.5	428.9	324.9
Northern Europe	140.7	86.1	138.5	118.1	117.9	116.7	90.5	119.8	132.6	82.8
Soviet Union & Other Eastern Europe	104.8	146.6	157.5	182.3	134.2	185.1	182.0	150.5	417.6	235.6
Oceania	1,108.8	3,636.8	1,328.6	4,472.1	1,689.4	4,264.8	1,498.3	3,688.0	1,981.5	3,966.4
Australia (West Coast)	229.5	620.1	206.8	764.6	218.8	713.5	301.6	905.0	274.6	875.5
Australia (East Coast)	665.2	1,450.5	917.3	1,470.5	1,289.8	1,138.2	1,033.5	968.3	1,477.4	1,128.8
New Zealand	108.8	344.0	123.8	847.9	94.7	964.4	103.4	672.9	191.9	842.8
North America	1,296.1	2,103.6	1,303.4	1,408.8	1,942.5	965.8	2,144.9	1,127.2	2,301.1	950.6
United States (Atlantic Ports)	559.5	827.1	506.3	455.0	708.1	516.4	540.2	662.2	645.7	516.2
United States (Pacific Ports)	403.9	922.6	531.3	620.0	827.1	287.0	1,297.5	325.0	1,407.2	379.7
Central & South America	416.3	185.7	483.9	234.0	528.7	206.6	172.5	226.4	456.0	133.7

10.7 CIVIL AIRCRAFT LANDINGS, PASSENGERS AND MAIL

Year	Landings From		Passengers						Mail			
	Peninsular Malaysia	Other Countries	Arrivals From		Departures To		In Transit	From		To		
			Peninsular Malaysia	Other Countries	Peninsular Malaysia	Other Countries		Peninsular Malaysia	Other Countries	Peninsular Malaysia	Other Countries	
Number		Persons						Tonnes				
1972	5,773	19,536	249,866	779,348	247,942	791,310	466,875	89	1,222	250	1,339	
1973	6,833	22,343	350,299	1,000,446	343,522	1,030,411	583,850	109	1,348	297	1,480	
1974	5,855	24,860	356,336	1,126,896	350,260	1,163,472	631,028	63	1,494	324	1,857	
1975	5,825	26,366	371,804	1,275,277	360,857	1,316,106	712,105	57	1,598	328	2,490	
1976	6,705	26,005	405,732	1,453,773	399,963	1,480,925	795,465	129	1,630	342	2,557	
1977	7,640	25,902	439,257	1,667,453	425,362	1,692,747	899,084	124	1,916	397	2,981	
1978	8,040	27,336	492,486	1,917,769	472,702	1,931,426	935,415	133	2,613	392	2,875	
1979	8,312	28,697	590,430	2,129,750	571,818	2,138,249	1,064,077	160	3,459	536	3,262	
1980	8,492	29,464	704,401	2,436,322	677,446	2,473,586	1,002,794	125	3,850	562	3,514	
1981	8,042	27,610	783,268	2,813,836	698,418	2,879,690	976,946	136	4,155	569	3,675	
1982	7,144	26,924	781,423	3,005,988	698,317	3,092,828	1,033,256	144	3,899	536	3,750	

10.8 AIR CARGO DISCHARGED BY COUNTRY OF ORIGIN AND LOADED BY COUNTRY OF DESTINATION

Tonnes

Country of Origin or Destination	1978		1979		1980		1981		1982	
	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded	Discharged	Loaded
Total	58,734	64,359	78,301	79,786	90,713	91,062	100,931	96,172	120,715	101,589
Australia	3,445	4,834	5,310	5,700	5,176	5,979	7,833	7,380	10,800	7,025
France	1,071	2,150	1,367	2,737	1,614	3,446	1,277	2,569	1,539	2,383
Germany	2,416	3,513	2,419	4,075	2,458	4,212	2,622	3,577	2,130	3,093
Hong Kong	8,444	5,798	10,503	6,127	12,332	4,970	12,171	5,748	11,826	6,991
India	2,720	807	2,559	1,070	2,114	1,356	2,042	1,888	2,228	2,836
Indonesia	3,304	11,494	6,110	9,942	8,743	12,784	8,226	17,470	10,950	17,633
Italy	749	878	953	1,083	589	1,040	729	542	1,047	585
Japan	8,107	2,704	11,153	4,178	16,002	5,181	15,429	6,617	15,943	6,980
Malaysia	4,205	6,270	4,829	8,393	5,081	9,584	4,859	9,419	5,653	10,087
Netherlands	1,950	2,984	3,228	3,742	3,533	4,030	5,080	3,397	4,263	3,281
New Zealand	882	882	1,097	1,127	1,133	1,096	1,817	1,604	2,493	2,072
Philippines	1,138	988	1,363	1,548	1,485	1,555	2,229	2,091	2,678	2,571
Scandinavia	1,907	1,624	1,779	1,701	1,652	1,791	1,713	1,163	2,473	1,407
Switzerland	1,449	687	1,523	1,084	2,169	1,700	2,222	2,230	2,533	2,585
Taiwan	3,388	775	4,399	1,096	4,991	1,215	4,895	1,267	7,763	1,552
Thailand	3,452	2,081	3,758	3,062	4,655	5,192	6,848	4,534	11,143	4,648
United Kingdom	1,974	3,547	2,378	4,110	2,407	5,007	2,502	4,900	2,492	3,797
United States	5,111	3,367	7,844	4,732	7,644	4,515	7,101	4,561	8,643	5,864
Other Countries	3,022	8,976	5,729	14,279	6,935	16,409	11,336	15,215	14,118	16,199

Note: Data exclude air cargo in transit.

10.9 ARRIVALS AND DEPARTURES OF AIR AND SEA PASSENGERS

Number

Year	Arrivals			Departures		
	Total	Air	Sea	Total	Air	Sea
1972	838,027	779,348	58,679	860,581	791,310	69,271
1973	1,066,234	1,000,446	65,788	1,100,721	1,030,411	70,310
1974	1,199,584	1,126,896	72,688	1,237,282	1,163,472	73,810
1975	1,337,623	1,275,277	62,346	1,377,798	1,316,106	61,692
1976	1,525,215	1,453,773	71,442	1,544,815	1,480,925	63,890
1977	1,725,797	1,667,453	58,344	1,747,157	1,692,747	54,410
1978	1,982,003	1,917,769	64,234	1,992,611	1,931,426	61,185
1979	2,202,704	2,129,750	72,954	2,202,244	2,138,249	63,995
1980	2,532,746	2,436,322	96,424	2,555,510	2,473,586	81,924
1981	2,929,436	2,813,836	115,600	2,992,867	2,879,690	113,177
1982	3,108,442	3,005,988	102,454	3,199,912	3,092,828	107,084

Note: Data exclude movements of passengers between Singapore and Peninsular Malaysia.

10.10 AIR PASSENGERS BY COUNTRY OF EMBARKATION AND DISEMBARKATION

Number

Country of Embarkation or Disembarkation	1978		1979		1980		1981		1982	
	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
Total	1,917,769	1,931,426	2,129,750	2,138,249	2,436,322	2,473,586	2,813,836	2,879,690	3,005,988	3,092,828
Brunei & Sabah-Sarawak	135,621	142,543	157,363	160,996	170,159	173,683	185,080	194,574	208,081	216,699
Indonesia	519,931	509,517	513,259	495,842	560,955	545,890	624,875	619,444	637,434	639,525
Thailand	237,680	221,364	253,070	247,373	286,277	283,721	334,361	322,169	349,333	362,564
Philippines	92,627	87,789	112,602	101,128	126,919	112,774	148,141	131,714	160,706	141,106
India, Pakistan & Sri Lanka	84,574	87,157	101,193	104,431	116,386	130,914	144,988	171,576	157,388	187,779
Hong Kong	211,573	206,966	222,647	217,313	281,191	274,136	330,374	326,371	342,300	334,130
Japan	85,554	82,992	141,614	138,663	167,344	162,464	210,129	213,852	241,951	261,238
Other Countries in Asia	87,089	93,072	110,097	112,768	117,981	124,195	141,852	154,441	157,918	168,305
Oceania	199,080	240,567	212,176	242,087	249,632	287,936	290,937	336,427	331,373	367,992
United Kingdom	107,022	99,196	107,696	108,194	113,202	107,314	116,939	108,468	130,082	115,706
Netherlands	43,187	40,906	48,251	46,054	55,590	50,995	58,774	54,121	55,434	47,081
Other Countries in Europe	107,060	110,046	126,725	129,765	145,530	143,499	168,860	165,062	167,913	170,740
Other Countries	6,771	9,311	23,057	33,635	45,156	76,065	58,526	81,471	66,075	79,963

Note: See note to Table 10.9.

10.11 SEA PASSENGERS BY COUNTRY OF EMBARKATION AND DISEMBARKATION

Country of Embarkation or Disembarkation	1978		1979		1980		1981		1982	
	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
Total	64,234	61,185	72,954	63,995	96,424	81,924	115,600	113,177	102,454	107,084
Brunei & Sabah-Sarawak	545	861	56	122	23	48	-	6	-	-
Indonesia	46,290	42,512	55,148	42,163	82,721	62,469	99,594	92,167	90,601	86,855
India, Pakistan & Sri Lanka	5,635	7,416	7,554	12,053	5,607	9,831	9,066	13,733	6,537	14,044
Hong Kong	504	302	496	487	1,394	351	656	83	606	537
People's Republic of China	2,194	3,783	2,144	4,260	2,117	4,458	1,963	3,977	1,699	3,796
Oceania	8,775	6,150	6,138	3,703	3,749	3,780	2,230	1,674	1,346	757
Other Countries	291	161	1,418	1,207	813	987	2,091	1,537	1,665	1,095

Note: See note to Table 10.9.

10.12 VISITOR ARRIVALS BY CITIZENSHIP

(By Air, Sea and Land)

Thousand

Citizenship	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	783.0	984.7	1,087.4	1,169.3	1,320.6	1,506.7	2,047.2	2,247.1	2,562.1	2,828.9	2,956.7
Malaysia	71.4	87.9	95.7	91.0	97.0	111.0	285.7	350.1	384.1	380.7	375.1
Brunei	5.2	6.2	7.7	11.0	13.6	15.5	16.2	17.7	19.1	22.2	25.1
Indonesia	90.7	117.9	146.3	175.5	210.1	260.2	332.1	287.6	342.5	409.7	425.7
Thailand	9.5	11.3	14.6	22.0	26.8	31.8	60.3	80.2	88.8	103.3	152.5
Philippines	11.8	11.1	16.0	18.3	21.3	25.0	33.6	39.5	44.9	50.8	58.0
India	23.7	27.5	31.0	32.9	31.3	34.8	97.8	124.5	149.6	173.8	168.4
Pakistan	1.9	3.4	3.6	3.9	4.6	5.9	9.8	12.9	17.1	17.7	16.8
Sri Lanka	5.5	7.2	7.4	7.8	7.9	8.9	14.5	16.9	18.8	24.3	24.1
China & Taiwan	22.3	25.1	26.8	28.5	29.5	35.6	35.9	59.6	64.1	59.1	68.7
Japan	70.3	113.4	110.1	119.9	141.5	190.6	218.7	261.0	298.6	365.2	389.1
Australia	104.7	140.6	150.9	166.2	190.1	190.8	204.8	187.8	216.9	231.8	246.5
New Zealand	12.9	16.9	22.2	24.2	28.6	35.9	43.2	50.9	56.1	52.9	56.7
United Kingdom	113.2	125.3	133.5	122.6	124.2	132.2	168.0	182.3	197.6	215.8	227.2
UK Dependencies nec	12.9	16.1	17.7	18.1	20.0	22.7	35.1	42.4	56.8	60.5	65.2
France	14.7	21.8	24.0	28.2	35.1	37.7	45.0	50.5	49.3	53.2	49.5
Federal Republic of Germany	18.8	24.4	29.9	35.4	39.8	45.0	60.3	68.7	78.7	85.1	73.3
Italy	8.7	11.2	12.2	14.9	13.6	15.8	22.5	23.9	27.3	26.4	24.3
Netherlands	17.0	20.7	22.2	25.8	31.0	38.1	45.9	51.3	56.6	59.0	50.9
Other European Countries	31.3	40.0	43.7	45.6	54.5	62.6	78.4	95.7	107.6	118.8	112.0
United States	105.3	117.8	126.0	130.5	147.3	143.3	153.8	144.6	163.5	172.4	181.1
Canada	9.7	11.4	13.0	14.9	16.9	19.3	21.9	22.5	26.5	30.6	32.3
Other Countries	21.5	27.5	32.9	32.1	35.9	44.0	63.7	76.5	97.6	115.6	134.2

Note: Figures excluded Malaysian arrivals by land. Prior to 1978, other arrivals by land as well as Malaysians coming direct to Singapore by air and sea were also excluded.

10.13 VISITOR ARRIVALS BY COUNTRY OF RESIDENCE
(By Air, Sea and Land)

Thousand

Country of Residence	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	783.0	984.7	1,087.4	1,169.3	1,320.6	1,506.7	2,047.2	2,247.1	2,562.1	2,828.9	2,956.7
Malaysia	87.6	105.6	113.9	109.7	115.3	128.4	356.7	433.3	481.5	478.0	468.4
Brunei	10.0	12.3	13.8	18.1	21.6	24.4	28.6	30.9	33.0	36.9	40.5
Indonesia	107.6	139.1	172.2	207.2	245.7	300.4	369.2	317.8	371.8	439.5	455.4
Thailand	14.6	16.6	20.2	27.4	32.2	36.7	64.4	84.4	93.6	108.7	157.8
Philippines	14.2	12.8	17.8	20.0	23.3	27.2	36.3	42.8	48.1	53.6	60.6
India	18.8	21.8	24.3	25.6	23.3	24.5	55.8	70.4	85.5	116.9	121.5
Pakistan	1.8	3.1	3.3	3.7	4.1	5.2	8.2	11.0	15.1	15.4	14.5
Sri Lanka	4.7	6.4	6.5	6.8	6.7	7.3	11.1	13.5	15.5	21.0	21.2
China & Taiwan	11.1	12.9	15.8	17.1	18.1	23.2	30.6	52.1	57.0	56.1	66.4
Hong Kong	29.7	35.7	36.1	37.2	40.2	44.1	52.1	62.7	82.5	85.7	92.9
Japan	71.3	113.4	109.3	118.7	139.5	188.9	209.3	250.3	287.4	354.8	378.5
Other Countries in Asia	14.0	17.1	20.0	18.5	20.7	30.1	47.5	60.7	75.3	87.2	101.3
Australia	139.4	174.1	184.3	194.2	217.0	216.1	228.9	206.4	239.2	258.6	282.0
New Zealand	16.8	21.6	27.4	28.8	34.7	44.1	51.7	60.8	63.0	58.0	59.9
United Kingdom	65.8	76.2	83.2	74.4	72.8	78.2	99.8	117.3	128.4	145.0	149.9
France	11.2	17.3	19.0	22.7	28.8	31.0	37.0	42.0	40.2	44.7	41.1
Federal Republic of Germany	15.3	20.2	25.5	31.0	35.6	39.9	55.0	63.5	73.0	79.8	68.1
Italy	7.8	10.5	11.4	14.0	12.8	15.0	20.9	22.8	26.3	25.3	23.0
Netherlands	11.2	14.1	15.2	18.5	23.1	29.6	36.7	42.2	47.1	49.6	41.4
Other European Countries	25.4	33.2	37.4	39.5	48.9	56.3	71.2	88.0	98.4	103.1	100.9
United States	87.1	98.6	104.1	106.2	122.3	118.1	126.2	118.7	135.8	143.6	150.7
Canada	7.9	9.5	11.1	12.7	14.6	16.4	18.1	17.9	20.9	24.2	25.0
Other Countries	9.7	12.6	15.6	17.3	19.3	21.6	31.9	37.6	43.5	43.2	35.7

Note: See notes to Table 10.12.

10.14 VISITOR ARRIVALS BY COUNTRY OF EMBARKATION
(By Air, Sea and Land)

Thousand

Country of Embarkation	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	783.0	984.7	1,087.4	1,169.3	1,320.6	1,506.7	2,047.2	2,247.1	2,562.1	2,828.9	2,956.7
Peninsular Malaysia	81.1	106.7	115.5	122.9	128.8	148.5	540.2	622.6	732.8	784.6	820.4
Brunei & Sabah-Sarawak	60.8	66.2	71.7	78.7	84.6	98.5	102.6	119.3	126.4	135.9	151.3
Indonesia	182.5	238.4	291.4	335.9	371.7	415.9	451.9	424.8	471.8	528.6	526.0
Thailand	80.5	109.8	120.1	119.7	137.2	154.1	176.5	181.3	203.8	227.8	230.4
Philippines	20.4	23.0	29.7	34.1	36.9	45.7	59.2	72.1	79.0	81.0	89.9
India, Pakistan & Sri Lanka	24.8	32.5	36.7	39.6	42.4	47.5	66.3	78.0	85.0	104.9	112.3
Hong Kong	60.6	73.3	71.9	78.1	93.1	106.9	118.1	125.6	153.4	166.9	171.2
Taiwan	7.5	8.0	10.2	12.5	16.7	19.2	22.1	29.1	32.5	34.0	36.8
Japan	28.2	47.5	47.0	56.2	72.5	99.8	106.3	148.3	173.8	224.4	238.2
Other Countries in Asia	14.7	17.6	21.6	17.8	16.1	22.9	32.0	45.4	48.9	51.9	55.7
Australia & New Zealand	107.2	124.0	125.2	126.9	147.6	156.3	159.0	160.7	189.3	208.2	232.4
United Kingdom	69.7	74.2	74.3	64.6	68.6	76.7	78.3	83.5	88.7	87.8	101.9
Other Countries in Europe	38.1	55.0	57.0	62.0	77.5	92.8	101.1	117.3	134.1	143.0	138.5
United States	3.2	3.3	7.9	10.9	14.7	11.6	6.6	14.6	24.3	29.3	30.1
Africa	0.3	0.4	1.3	1.5	1.1	0.3	0.5	0.9	1.2	1.7	1.4
Other Countries	3.4	4.8	5.9	7.9	11.1	10.0	26.5	23.6	17.1	18.9	20.2

Note: See notes to Table 10.12.

10.15 VISITOR ARRIVALS BY PURPOSE OF VISIT
(By Air, Sea and Land)

						Number	
Year	Total	Vacation	Business	Business/Vacation	Others		
1972	783,015	459,491	108,698	70,521	144,305		
1973	984,732	603,489	126,044	87,027	168,172		
1974	1,087,443	652,827	140,026	102,473	192,117		
1975	1,169,270	728,486	146,505	110,030	184,249		
1976	1,320,625	858,608	156,561	116,325	189,131		
1977	1,506,688	992,672	180,175	130,007	203,834		
1978	2,047,224	1,295,450	230,447	154,759	366,568		
1979	2,247,091	1,427,034	265,088	157,143	397,826		
1980	2,562,085	1,644,209	300,901	166,093	450,882		
1981	2,828,899	1,863,560	334,211	170,129	460,999		
1982	2,956,690	1,942,726	365,365	166,835	481,764		

Note: See notes to Table 10.12.

10.16 VISITOR ARRIVALS BY COUNTRY OF RESIDENCE AND TRAVEL ARRANGEMENT
(By Air, Sea and Land)

Thousand

Country of Residence	Group Tour					Others				
	1978	1979	1980	1981	1982	1978	1979	1980	1981	1982
Total	482.3	499.4	572.8	655.0	654.7	1,564.9	1,747.7	1,989.3	2,173.9	2,302.0
Malaysia	21.1	25.0	28.5	25.3	23.7	335.6	408.3	453.0	452.7	444.7
Brunei	3.0	3.4	3.3	3.5	4.3	25.6	27.5	29.7	33.4	36.2
Indonesia	46.4	26.0	38.4	48.6	43.6	322.8	291.8	333.4	390.9	411.8
Thailand	21.8	23.8	24.7	26.1	31.8	42.6	60.6	68.9	82.6	126.0
Philippines	6.5	6.7	8.0	8.5	9.3	29.8	36.1	40.1	45.1	51.3
India	5.9	11.7	18.5	27.9	27.0	49.9	58.7	67.0	89.0	94.5
Pakistan	0.9	1.2	1.6	1.4	1.4	7.3	9.8	13.5	14.0	13.1
Sri Lanka	0.6	0.8	1.0	1.7	1.4	10.5	12.7	14.5	19.3	19.8
China & Taiwan	12.6	25.3	29.2	27.0	34.9	18.0	26.8	27.8	29.1	31.5
Hong Kong	10.7	14.1	23.6	26.4	29.3	41.4	48.6	58.9	59.3	63.6
Japan	129.4	155.0	176.6	228.4	240.9	79.9	95.3	110.8	126.4	137.6
Other Countries in Asia	10.9	12.2	15.4	17.3	22.0	36.6	48.5	59.9	69.9	79.3
Australia	69.5	56.6	65.1	76.5	75.3	159.4	149.8	174.1	182.1	206.7
New Zealand	8.7	10.9	10.6	8.9	9.2	43.0	49.9	52.4	49.1	50.7
United Kingdom	11.4	12.3	10.5	11.5	10.9	88.4	105.0	117.9	133.5	139.0
France	11.4	13.4	10.7	11.1	7.0	25.6	28.6	29.5	33.6	34.1
Fed Rep of Germany	15.5	15.9	15.4	15.6	11.5	39.5	47.6	57.6	64.2	56.6
Italy	9.2	9.1	10.1	8.7	6.9	11.7	13.7	16.2	16.6	16.1
Netherlands	9.0	10.1	11.1	11.6	8.5	27.7	32.1	36.0	38.0	32.9
Other European Countries	21.5	23.1	24.4	20.6	16.7	49.7	64.9	74.0	82.5	84.2
United States	41.3	27.9	28.9	27.9	26.1	84.9	90.8	106.9	115.7	124.6
Canada	5.0	3.4	3.4	4.1	3.1	13.1	14.5	17.5	20.1	21.9
Other Countries	10.0	11.5	13.8	16.4	9.9	21.9	26.1	29.7	26.8	25.8

10.17 AVERAGE LENGTH OF STAY OF VISITORS BY SELECTED COUNTRY OF RESIDENCE AND TRAVEL ARRANGEMENT
(By Air, Sea and Land)

Days

Country of Residence	Total					Group Tours					Others				
	1978	1979	1980	1981	1982	1978	1979	1980	1981	1982	1978	1979	1980	1981	1982
Total	4.5	4.8	4.8	4.7	4.5	2.9	3.0	3.2	3.2	3.2	5.0	5.3	5.3	5.1	4.8
Malaysia	3.4	3.7	3.6	3.5	3.2	2.8	2.9	3.1	2.6	2.7	3.4	3.8	3.7	3.6	3.2
Brunei	4.1	4.7	4.4	3.8	3.9	5.0	4.7	6.4	4.3	4.1	4.0	4.7	4.2	3.8	3.9
Indonesia	2.9	3.3	4.6	4.6	4.6	3.9	4.2	4.0	3.8	3.8	2.7	3.2	4.7	4.7	4.7
Thailand	4.4	4.6	4.9	5.4	6.6	3.3	2.8	3.8	3.8	5.0	5.0	5.3	5.3	5.9	7.0
Philippines	4.2	4.8	4.8	4.8	4.6	3.8	4.2	4.3	4.4	3.7	4.3	4.9	5.0	4.8	4.8
India	9.3	10.9	10.6	10.5	8.6	6.5	7.1	7.7	7.4	6.4	9.6	11.7	11.4	11.4	9.3
Pakistan	7.4	7.7	7.4	7.9	7.4	7.1	7.5	6.7	7.0	6.0	7.4	7.7	7.5	8.0	7.5
Sri Lanka	7.4	8.3	8.7	7.2	6.5	6.7	10.0	6.9	6.1	7.1	7.5	8.2	8.8	7.3	6.5
China & Taiwan	5.9	6.0	5.4	5.5	5.0	3.2	3.1	3.0	2.9	2.6	7.9	8.7	8.0	8.2	7.8
Hong Kong	5.1	4.9	4.3	4.5	4.2	3.1	3.0	2.6	2.9	2.8	5.6	5.5	5.0	5.3	4.8
Japan	3.0	3.2	3.2	3.2	3.0	2.3	2.5	2.6	2.7	2.6	4.1	4.3	4.2	4.1	3.7
Australia	3.7	4.1	4.4	4.2	3.9	3.6	4.0	4.4	4.6	4.5	3.8	4.1	4.3	4.0	3.7
New Zealand	3.4	3.6	4.1	4.0	3.8	3.5	3.9	4.0	4.1	4.1	3.3	3.5	4.1	3.9	3.8
United Kingdom	4.2	4.9	5.1	5.1	4.8	3.0	3.7	3.6	3.5	3.5	4.4	5.1	5.2	5.2	4.9
France	3.2	3.9	3.5	3.4	3.5	1.9	1.9	1.9	1.9	1.9	3.8	3.9	4.1	3.9	3.8
Fed Rep of Germany	2.9	3.2	3.1	3.1	3.1	1.9	2.1	1.9	1.7	1.8	3.3	3.5	3.4	3.5	3.4
Italy	2.9	3.4	3.3	3.2	3.0	2.0	2.2	2.1	2.0	2.0	3.6	4.3	4.0	3.8	3.4
Netherlands	3.1	3.5	3.4	3.2	3.3	1.8	1.7	2.0	2.0	2.2	3.5	4.1	3.8	3.6	3.6
United States	4.1	4.8	4.8	4.8	4.3	2.1	2.2	2.4	2.5	2.4	5.1	5.6	5.5	5.4	4.7
Canada	4.8	5.9	5.6	6.3	5.6	2.3	2.5	2.5	2.5	2.4	5.8	6.8	6.3	7.1	6.1

10.18 AVERAGE LENGTH OF STAY OF VISITORS BY (a) PURPOSE OF VISIT AND (b) TYPE OF ACCOMMODATION

Days

	1978	1979	1980	1981	1982
Total	4.5	4.8	4.8	4.7	4.5
Purpose of Visit					
Holiday	4.4	4.8	4.9	4.8	4.7
Business	4.4	4.6	4.5	4.4	4.2
Business & Pleasure	5.2	5.6	5.7	5.6	5.3
In Transit	1.1	1.1	1.0	0.9	0.8
Convention	5.3	5.2	4.9	5.2	5.1
Others	11.1	10.9	8.8	8.6	6.4
Type of Accommodation					
Hotel	3.4	3.6	3.7	3.7	3.7
Residence of Friends/Relatives	9.1	10.0	10.3	9.9	8.9
Own Residence	23.7	20.4	17.5	14.6	11.4
Others	5.1	6.0	6.1	5.9	5.3

10.19 TOURIST ARRIVALS, HOTELS AND CESS COLLECTION

Year	Tourist Arrivals	Tourist Hotels ¹				Sales Tax on Food and Drinks
		Number	Rooms	Occupancy Rate	Cess Collected	
		Thousand	At end year	Per Cent	\$'000	\$'000
1972	783.0	70	8,358	60.6	2,053.8	5,435.1
1973	984.7	71	9,413	67.1	2,612.2	7,107.2
1974	1,087.4	70	9,913	69.6	3,024.6	7,886.7
1975	1,169.3	69	9,904	74.7	3,367.3	9,030.2
1976	1,320.6	71	10,254	78.4	3,892.0	9,877.7
1977	1,506.7	68	10,547	83.3	4,666.6	11,013.1
1978	2,047.2	72	11,505	86.5	5,758.4	12,574.3
1979	2,247.1	72	12,159	85.4	7,304.6	14,414.9
1980	2,562.1	69	12,756	86.1	9,671.3	17,576.1
1981	2,828.9	69	13,924	85.7	12,355.6	20,812.4
1982	2,956.7	47	14,097	80.8	13,789.7	22,921.5

1 Figures for 1982 refer to tourist hotels with 50 or more rooms.

Source: Singapore Tourist Promotion Board
Customs and Excise Department

10.20 RETURNING SINGAPORE RESIDENTS BY COUNTRY OF EMBARKATION
(By Air and Sea)

Country of Embarkation	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	97,671	127,509	148,192	173,221	186,369	208,973	230,167	265,283	299,876	330,118	385,728
Peninsular Malaysia	3,836	4,106	4,241	3,662	3,749	3,807	-	-	-	-	-
Brunei & Sabah-Sarawak	10,035	10,968	13,185	16,008	18,378	20,347	20,194	23,581	26,939	29,912	35,437
Indonesia	23,297	34,863	47,982	56,689	56,069	57,012	53,955	65,075	77,322	82,988	89,157
Thailand	9,144	14,223	17,964	24,837	25,111	27,693	31,578	37,585	41,477	46,113	60,457
Philippines	749	1,182	3,025	4,498	7,544	11,842	11,722	13,358	13,822	15,492	16,359
India, Pakistan & Sri Lanka	8,662	10,740	9,897	9,976	11,374	13,483	14,237	17,832	22,204	23,127	23,322
Hong Kong	17,758	21,833	20,220	23,161	28,862	32,819	32,255	40,177	50,458	55,890	70,663
Taiwan	2,089	4,047	4,985	5,467	6,188	6,603	7,511	9,672	11,174	12,931	14,256
Japan	1,316	1,960	1,854	1,897	2,141	3,327	3,288	4,765	6,936	9,853	12,614
Other Countries in Asia	5,841	7,374	7,834	5,852	3,359	5,607	6,375	7,038	7,442	7,488	7,914
Australia & New Zealand	4,736	5,135	5,717	6,071	7,131	8,189	8,159	9,477	13,019	15,155	19,228
United Kingdom	7,095	7,234	6,965	8,135	8,680	10,443	10,907	11,652	11,889	11,498	13,160
Other Countries in Europe	2,030	2,648	2,744	3,274	4,022	5,100	5,931	7,004	8,410	9,293	11,022
United States	85	178	459	643	791	810	1,046	3,860	6,485	8,428	9,661
Africa	26	13	11	27	64	22	27	76	30	39	52
Other Countries	972	1,005	1,109	3,024	2,906	1,869	22,982	14,131	2,269	1,911	2,426

Note: Figures prior to 1978 exclude returning residents of Singapore and Malaysian citizenship embarking at ports in Peninsular Malaysia coming direct to Singapore. From 1978, figures excluded all returning residents embarking at ports in Peninsular Malaysia.

10.21 PUBLIC ROADS

Kilometres

End of Year	Total	Major Arterial Roads	Collector Roads	Local Roads Improved	Local Roads Unimproved
1972	2,070	244	113	1,225	488
1973	2,139	248	114	1,281	496
1974	2,155	250	115	1,300	490
1975	2,173	263	122	1,337	451
1976	2,218	275	138	1,393	412
1977	2,237	281	140	1,430	386
1978	2,267	297	142	1,473	355
1979	2,289	308	144	1,509	328
1980	2,356	352	157	1,539	308
1981	2,478	399	188	1,596	295
1982	2,529	427	199	1,608	295

Source: Public Works Department

10.22 VEHICLES REGISTERED

Number

End of Year	Motor Vehicles							Non-motor Vehicles			
	Total	Motor Cars		Buses	Goods Vehicles	Motor Cycles and Scooters	Others ¹	Total	Bicycles	Tricycles	Others ²
		Private	Public								
1972	337,364	168,991	6,025	4,343	41,805	115,619	581	420,013	392,341	21,965	5,707
1973	367,541	187,972	6,326	4,775	45,097	122,714	657	433,825	406,119	22,213	5,493
1974	276,866	142,674	6,306	4,779	36,424	84,849	1,834	454,585	426,821	22,346	5,418
1975	280,378	142,045	6,492	4,935	41,363	83,145	2,398	476,821	448,836	22,527	5,458
1976	279,864	135,499	6,581	5,217	45,733	84,016	2,818	506,437	478,309	22,599	5,529
1977	289,954	134,903	7,201	5,442	49,502	89,840	3,066	530,526	502,489	22,651	5,386
1978	309,384	137,240	9,124	5,874	55,608	98,248	3,290	552,384	524,203	22,404	5,777
1979	338,729	143,402	10,277	6,217	67,201	108,051	3,581	576,039	547,804	22,328	5,907
1980	371,341	152,574	11,922	6,512	78,020	118,345	3,968	597,518	570,685	22,252	4,581
1981	401,805	161,692	13,375	6,950	87,752	127,722	4,314	614,322	586,973	22,253	5,096
1982	440,276	179,635	14,798	7,585	96,889	136,899	4,470	614,819	586,973	22,253	5,593

Note: With effect from January 1974, the records on motor vehicles are computerised.
 Figures from 1974 onwards are not comparable with those of earlier years.

Source: Registry of Vehicles

1 Including hearses, tuition lorries and cranes, exempted lorries and tippers, road rollers, tractors, vans, vehicles used for specific purposes and others.

2 Including handcarts, trailers and trishaws.

10.23 ROAD CASUALTIES

Persons

Year	Total		Pedestrians		Pedal Cyclists ¹		Motor Cyclists and Passengers		Motor Vehicle Drivers and Passengers		Others	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
1972	390	10,819	179	3,295	25	850	73	3,070	112	3,517	1	87
1973	380	11,472	185	3,533	45	913	94	3,263	52	3,647	4	116
1974	288	9,735	117	3,021	30	904	59	2,599	74	3,106	8	105
1975	282	8,566	120	2,600	30	811	72	2,277	55	2,794	5	84
1976	286	9,400	132	2,582	27	1,009	58	2,576	64	3,120	5	113
1977	271	10,586	125	2,704	33	940	66	3,448	43	3,399	4	95
1978	278	12,509	103	2,555	27	931	87	4,435	61	4,509	-	79
1979	234	13,223	100	2,692	21	851	66	5,001	38	4,497	9	182
1980	259	11,756	96	2,192	18	638	94	4,645	48	4,166	3	115
1981	275	12,483	110	2,160	27	671	79	5,307	56	4,240	3	105
1982	307	12,582	96	2,112	25	684	126	5,660	58	4,043	2	83

¹ Include trishaw riders and passengers.

Source: Police Department

10.24 POSTAL ARTICLES HANDLED

Thousand

Year	Total	Letters	Postcards	Printed Matters	Airmail Correspondence 1st Class ¹	Registered Articles	Parcels	Unregistered Government Franked Correspondence	Others
1972	282,824	81,722	1,794	123,521	46,633	8,122	1,759	19,258	15
1973	299,148	144,895	2,616	65,447	57,723	8,148	1,804	18,498	17
1974	315,142	144,618	2,547	73,568	58,647	9,397	1,711	24,636	18
1975	331,447	158,352	1,772	72,432	59,761	10,514	1,650	26,953	13
1976	350,172	161,404	2,359	82,211	59,845	11,195	1,664	31,483	11
1977	367,500	161,246	1,668	81,727	79,805	11,697	1,735	29,615	7
1978	392,893	187,779	1,412	77,451	86,416	12,681	1,588	25,560	6
1979	412,085	198,618	1,842	86,916	88,310	13,928	1,635	20,828	8
1980	443,989	205,011	2,346	93,891	96,477	15,785	1,713	28,761	5
1981	481,842	223,760	3,340	101,353	103,305	17,344	1,753	30,982	5
1982	503,235	235,217	2,042	94,120	120,274	18,722	1,750	31,105	5

¹ From 1982, this includes airmail printed matters, which was previously accounted for under "Printed Matters".

Source: The Telecommunication Authority of Singapore

10.25 TELECOMMUNICATIONS

Thousand

Year	Outgoing Telegrams		Outgoing Telex Calls		International Telephone Calls ¹	Total Number of Telephones Installed ²
	Peninsular Malaysia	Other Countries	Peninsular Malaysia	Other Countries		
1972	86	1,015	37	319	431	218
1973	76	1,140	44	528	577	250
1974	74	1,039	61	914	707	280
1975	68	840	110	1,552	843	318
1976	55	798	176	2,154	1,077	374
1977	45	800	244	2,812	1,301	455
1978	45	739	304	3,673	1,760	540
1979	46	701	394	4,991	2,490	625
1980	46	655	523	6,831	3,535	702
1981	44	567	669	8,894	5,058	775
1982	38	434	966	11,077	7,091	852

1 Figures exclude calls to Peninsular Malaysia.

Source: The Telecommunication Authority of Singapore

2 End of period.

11. FINANCE AND INSURANCE

Banking

Banking Statistics are compiled from returns submitted by banks operating in Singapore to the Monetary Authority of Singapore.

Finance Companies

Finance Companies Statistics are compiled from monthly returns submitted to The Monetary Authority of Singapore under the Finance Companies Act.

Asian Dollar Market

The Asian dollar market was officially established in October 1968 when approval was first given for a bank to operate an Asian Currency Unit (ACU). Since then, a number of merchant banks have also been given approval to operate ACUs. Data on ACUs are compiled from returns submitted regularly by the

ACU operators to the Monetary Authority of Singapore.

Insurance

Data on insurance are compiled by The Monetary Authority of Singapore from returns submitted by all insurance companies in Singapore.

Post Office Savings Bank

The Post Office Savings Bank of Singapore is incorporated under the Post Office Savings Bank of Singapore Act, 1971. The principal objectives of the Bank are to provide a means for the deposit of savings and to encourage thrift and to mobilize domestic savings for the purpose of public development. Its savings are fully guaranteed by the Government.

Central Provident Fund

Please see text on page 47.

11.1 CURRENCY IN CIRCULATION

End of Year	Gross Circulation			Active Circulation ¹	Ratio of Active to Gross Circulation
	Total	Notes	Coins		
	Million Dollars				Per Cent
1972	1,097.9	1,029.2	68.7	1,004.8	91.5
1973	1,227.6	1,157.0	70.6	1,114.4	90.8
1974	1,447.2	1,367.0	80.2	1,306.4	90.3
1975	1,802.5	1,690.3	112.2	1,637.7	90.9
1976	2,119.2	1,997.5	121.7	1,946.8	91.9
1977	2,431.2	2,297.7	133.5	2,242.6	92.2
1978	2,822.0	2,675.8	146.2	2,582.8	91.5
1979	3,181.2	3,021.9	159.3	2,941.2	92.5
1980	3,498.8	3,321.9	176.9	3,137.0	89.7
1981	3,689.6	3,487.4	202.2	3,381.8	91.7
1982	4,339.1	4,114.6	224.5	3,996.0	92.1

¹ Refers to gross circulation less amounts held by Government Treasuries and Banks as well as commemorative coins issued by the Board of Commissioners of Currency, Singapore.

Source: Board of Commissioners of Currency

11.2 MONEY SUPPLY

Million Dollars

End of Year	Money Supply (M2)	Money Supply (M1)			Quasi Money		
		Total	Currency in Active Circulation ¹	Demand Deposits of Private Sector	Fixed Deposits	S\$ Negotiable Certificates of Deposits	Savings And Other Deposits
1972	5,281.7	2,384.8	1,004.8	1,380.0	2,283.2	-	613.7
1973	6,103.2	2,632.7	1,114.4	1,518.3	2,742.6	-	727.9
1974	6,924.8	2,858.8	1,306.4	1,552.4	3,309.2	-	756.8
1975	8,164.2	3,472.2	1,637.7	1,834.5	3,711.2	78.8	902.0
1976	9,202.5	4,000.0	1,946.8	2,053.2	4,020.2	163.9	1,018.4
1977	9,806.3	4,412.1	2,242.6	2,169.5	4,155.8	151.2	1,087.2
1978	10,862.3	4,925.9	2,582.8	2,343.1	4,533.1	195.3	1,208.0
1979	12,899.5	5,706.1	2,941.2	2,764.9	5,557.5	261.4	1,374.5
1980	16,065.0	6,134.6	3,137.0	2,997.6	8,137.3	140.1	1,653.0
1981	19,671.1	7,242.1	3,381.8	3,860.3	10,144.7	210.3	2,074.0
1982	22,804.0	8,156.8	3,996.0	4,160.8	11,698.0	228.5	2,720.7

Note: Money Supply was adjusted as from April 1971 to include The Monetary Authority of Singapore as part of the banking system.

Source: The Monetary Authority of Singapore

1 See footnote 1 to Table 11.1.

11.3 FACTORS AFFECTING MONEY SUPPLY

Million Dollars

Changes During Year	Money Supply (M1)	Private Sector			Public Sector			Net Foreign Assets of Banking System		Others
		Bank Credit to Private Sector	Quasi Money	Excess of Lending or of Deposits(-)	Bank Credit to Government	Government Deposits with Banks	Excess of Lending or of Deposits(-)	Monetary Authorities ¹	Banks	
1972	624.9	1,062.5	452.2	610.3	217.8	555.2	-337.4	892.4	-362.4	-178.0
1973	366.9	1,968.8	573.6	1,395.2	-234.8	599.6	-834.4	740.8	-592.5	-342.2
1974	226.1	699.6	595.5	104.1	52.9	955.7	-902.8	946.8	420.7	-342.7
1975	613.4	848.7	626.0	222.7	158.5	1,191.8	-1,033.3	1,560.7	211.8	-348.5
1976	527.8	744.0	510.5	233.5	297.6	1,382.8	-1,085.2	1,774.3	-205.8	-189.0
1977	412.1	872.4	191.7	680.7	163.8	1,486.9	-1,323.1	977.5	-210.9	287.9
1978	513.8	1,505.4	542.2	963.2	120.8	1,868.1	-1,747.3	1,365.2	-668.9	601.6
1979	780.2	2,672.2	1,257.0	1,415.2	41.5	2,055.1	-2,013.6	1,167.1	400.3	-188.8
1980	428.6	4,139.4	2,737.0	1,402.4	411.2	2,658.9	-2,247.7	1,241.9	-291.6	323.6
1981	1,107.4	5,043.2	2,498.6	2,544.6	373.0	3,530.9	-3,157.9	2,533.4	-994.8	182.1
1982	914.7	4,356.2	2,218.2	2,138.0	358.6	4,721.7	-4,363.1	2,454.7	-715.9	1,401.0

Notes: Money supply was adjusted as from April 1971 to include The Monetary Authority of Singapore as part of the banking system.

Source: The Monetary Authority of Singapore

Discount houses which commenced operation from 27 November 1972 are treated as part of the banking system.

¹ Refers to The Monetary Authority of Singapore and the Board of Commissioners of Currency, Singapore.

11.4 OFFICIAL FOREIGN RESERVES

Million Dollars

End of Year	Total Foreign Reserves	Special Drawing Rights ¹	Reserve Position in the International Monetary Fund	Gold and Foreign Exchange
1972	4,929.9	-	28.3	4,901.6
1973	5,800.1	-	28.3	5,771.8
1974	6,502.9	-	28.3	6,474.6
1975	7,486.0	-	28.3	7,457.7
1976	8,261.5	-	28.3	8,233.2
1977	9,022.9	-	28.3	8,994.6
1978	11,473.8	-	38.3	11,435.5
1979	12,562.4	34.4	61.8	12,466.2
1980	13,757.7	42.7	126.1	13,588.9
1981	15,491.1	75.6	173.0	15,242.5
1982	17,917.9	127.5	183.1	17,607.3

¹ Singapore received its first allocation of Special Drawing Rights in January 1979.

Source: The Monetary Authority of Singapore

11.5 EXCHANGE RATES

Year	Singapore Dollar Per							
	Malaysian Ringgit	US Dollar	Sterling Pound	Deutsche-Mark	French Franc	100 Japanese Yen	Hong Kong Dollar	Australian Dollar
1972	1.0000	2.8092	7.0281	0.8810	0.5569	0.9268	0.4973	3.3494
1973	1.0063	2.4436	6.0299	0.9143	0.5486	0.9039	0.4741	3.4687
1974	1.0153	2.4369	5.6940	0.9408	0.5067	0.8354	0.4841	3.5138
1975	0.9877	2.3713	5.2523	0.9644	0.5532	0.7988	0.4802	3.1069
1976	0.9723	2.4708	4.4638	0.9818	0.5169	0.8336	0.5041	3.0272
1977	0.9912	2.4394	4.2570	1.0512	0.4965	0.9110	0.5235	2.7053
1978	0.9821	2.2740	4.3613	1.1347	0.5039	1.0885	0.4858	2.6030
1979	0.9937	2.1746	4.6154	1.1876	0.5111	0.9966	0.4351	2.4310
1980	0.9839	2.1412	4.9777	1.1805	0.5076	0.9475	0.4305	2.4394
1981	0.9174	2.1127	4.2845	0.9379	0.3907	0.9581	0.3788	2.4286
1982	0.9166	2.1400	3.7450	0.8829	0.3270	0.8618	0.3532	2.1754

Note: Figures refer to the average rates for the year.

Source: The Monetary Authority of Singapore

11.6 ASSETS OF BANKS
(End of Period)

Million Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	8,190.9	10,719.3	12,404.8	14,416.6	16,526.8	18,238.0	21,218.3	26,747.8	33,316.1	44,630.7	48,537.2
Cash	62.8	70.4	97.1	107.0	105.3	115.1	154.6	161.1	272.4	222.4	247.9
Amounts Due from Banks	1,660.3	1,746.5	2,665.5	3,052.7	3,528.7	3,712.5	4,331.5	5,646.6	6,880.1	11,824.2	9,823.6
In Singapore	1,092.3	874.1	1,444.6	1,486.8	1,370.5	1,263.6	1,616.2	1,986.6	2,756.7	4,196.0	3,727.9
Outside Singapore ¹	568.0	872.4	1,220.9	1,565.9	2,158.2	2,448.9	2,715.3	3,660.0	4,123.4	7,628.2	6,095.7
Balances with The Monetary Authority of Singapore ²	232.7	593.9	444.9	454.1	511.7	546.3	633.1	733.7	923.1	1,195.4	1,417.5
Money at Call with Discount Houses ³	94.0	354.5	392.7	415.9	491.4	525.7	623.3	695.7	884.1	1,478.0	1,917.9
S\$ Negotiable Certificates of Deposit Held	-	-	-	381.2	380.1	292.6	198.4	166.2	127.8	89.0	76.9
Investments in Securities & Equities	1,438.2	1,156.6	1,240.8	1,437.7	1,775.3	1,911.4	2,010.1	2,060.5	2,603.8	2,739.6	3,686.3
In Singapore	1,324.5	1,066.7	1,150.2	1,359.9	1,694.2	1,847.3	1,944.8	2,009.5	2,534.6	2,666.9	3,562.7
Outside Singapore	113.7	89.9	90.6	77.8	81.1	64.1	65.3	51.0	69.2	72.7	123.6
Loans & Advances including Bills Financing	4,292.8	6,271.2	6,930.4	7,829.3	8,894.2	10,183.0	12,226.4	16,007.0	20,206.9	25,229.1	29,442.9
Bills Discounted or Purchased	727.6	1,124.7	1,233.4	1,326.2	1,622.5	2,352.2	2,827.5	3,948.3	4,049.4	3,979.4	4,107.3
Payable outside Singapore	293.4	418.2	443.6	484.9	714.1	1,090.3	1,424.1	2,085.0	2,089.9	1,493.2	1,592.9
Payable in Singapore	434.2	706.5	789.8	841.3	908.4	1,261.9	1,403.4	1,863.3	1,959.5	2,486.2	2,514.4
Loans & Advances	3,565.2	5,146.5	5,697.0	6,503.1	7,271.7	7,830.8	9,398.9	12,058.7	16,157.5	21,249.7	25,335.6
All Other Assets	410.1	526.2	633.4	738.7	840.1	951.4	1,040.9	1,277.0	1,417.9	1,853.0	1,924.2

¹ Figures include Asian Currency Units.

Source: The Monetary Authority of Singapore

² Figures for 1973 include Special Deposits with The Monetary Authority of Singapore. This requirement was subsequently lifted effective March 1974.

³ Discount houses commenced operations in November 1972.

11.7 LIABILITIES OF BANKS

(End of Period)

Million Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	8,190.9	10,719.3	12,404.8	14,416.6	16,526.8	18,238.0	21,218.3	26,747.8	33,316.1	44,630.7	48,537.2
Deposits of Non-bank Customers	4,736.7	5,799.8	6,585.8	7,606.0	8,488.5	8,969.5	10,045.7	12,178.4	16,035.0	20,007.9	23,408.7
Demand Deposits	1,557.4	1,786.2	1,806.5	2,111.1	2,378.2	2,513.9	2,732.1	3,244.3	3,484.0	4,441.0	4,781.4
Fixed Deposits	2,550.2	3,264.8	4,000.3	4,565.9	5,062.4	5,328.3	6,045.3	7,473.0	10,788.4	13,315.4	15,619.7
Savings Deposits	602.8	708.5	738.5	890.6	999.2	1,069.5	1,211.2	1,394.8	1,692.5	2,168.1	2,917.4
Other Deposits	26.3	40.3	40.5	38.4	48.7	57.8	57.1	66.3	70.1	83.4	90.2
SS Negotiable Certificates of Deposit Issued	-	-	-	527.6	617.8	513.4	455.3	515.0	331.9	404.5	428.0
Amounts Due to Banks	2,361.9	3,063.0	3,475.7	3,695.6	4,432.0	5,044.2	6,624.7	8,615.9	9,942.5	15,366.0	14,426.4
In Singapore	1,104.3	964.9	1,470.2	1,515.7	1,372.2	1,271.7	1,718.7	2,415.4	2,888.4	4,241.3	3,941.6
Outside Singapore ¹	1,257.6	2,098.1	2,005.5	2,179.9	3,059.8	3,772.5	4,906.0	6,200.5	7,054.1	11,124.7	10,484.8
All Other Liabilities	1,092.3	1,856.5	2,343.3	2,587.4	2,988.5	3,710.9	4,092.6	5,438.5	7,006.7	8,852.3	10,274.1

¹ Figures include Asian Currency Units.

Source: The Monetary Authority of Singapore

11.8 BANKS LOANS AND ADVANCES TO NON-BANK CUSTOMERS BY INDUSTRY
(End of Period)

Million Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	3,565.2	5,146.5	5,697.0	6,503.1	7,271.7	7,830.8	9,398.9	12,058.6	16,157.5	21,249.7	25,335.6
Agriculture	22.4	25.3	31.9	26.8	31.0	29.8	28.2	37.8	47.2)	125.7	132.0
Mining & Quarrying	8.6	8.1	9.4	6.5	8.5	6.6	10.9	11.0	7.9)		
Manufacturing	1,071.3	1,418.1	1,719.4	1,952.6	1,999.3	2,102.8	2,384.9	3,044.1	3,695.4	4,311.8	4,619.2
Building & Construction	407.6	728.4	879.6	1,013.0	1,112.2	1,193.8	1,345.5	1,434.1	1,835.7	3,000.2	3,962.7
General Commerce	988.2	1,549.3	1,752.9	1,933.7	2,197.6	2,335.3	2,996.8	3,619.3	4,828.8	5,571.4	6,396.7
Transport, Storage & Communication	154.0	237.7	246.9	242.8	268.7	339.7	378.5	707.6	1,276.1	1,738.3	1,968.0
Financial Institutions	282.4	333.1	366.4	543.9	743.3	802.1	993.2	1,546.3	2,028.4	2,982.7	3,903.9
Others	630.7	846.5	690.5	783.8	911.1	1,020.7	1,260.9	1,658.4	2,438.0	3,519.6	4,353.1

Source: The Monetary Authority of Singapore

11.9 ASSETS AND LIABILITIES OF ASIAN CURRENCY UNITS

(End of Period)

Million US Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total Assets	2,976.1	6,277.2	10,357.3	12,597.4	17,354.1	21,018.3	27,040.1	38,162.7	54,392.6	85,775.2	103,295.7
Loans to Non-banks	600.9	1,237.9	2,697.7	3,472.5	4,386.6	5,281.2	6,376.8	8,484.0	12,402.3	19,452.2	27,606.2
Interbank Funds	2,331.1	4,938.3	7,459.7	8,929.4	12,613.1	15,252.5	19,829.7	28,093.7	39,552.3	62,173.1	69,564.4
In Singapore	99.4	261.6	223.0	270.1	414.4	573.4	866.6	1,100.4	1,084.7	1,495.2	1,738.5
Inter-Asian Currency Units	603.6	1,700.4	2,144.7	2,372.7	2,954.9	3,080.4	3,718.9	5,999.3	9,955.4	15,522.3	19,213.9
Outside Singapore	1,628.1	2,976.3	5,092.0	6,286.6	9,243.8	11,598.7	15,244.2	20,994.0	28,512.2	45,155.6	48,612.0
Other Assets	44.1	101.0	199.9	195.5	354.4	484.6	833.6	1,585.0	2,438.0	4,149.9	6,125.1
Total Liabilities	2,976.1	6,277.2	10,357.3	12,597.4	17,354.1	21,018.3	27,040.1	38,162.7	54,392.6	85,775.2	103,295.7
Deposits of Non-banks	398.7	912.8	1,614.2	2,067.7	1,960.3	2,254.6	3,600.0	5,771.4	9,322.2	13,659.0	17,753.4
Interbank Funds	2,550.1	5,249.3	8,531.4	10,294.3	15,067.2	18,350.3	21,987.2	29,424.9	40,879.6	66,366.3	79,223.9
In Singapore	145.0	405.6	675.6	584.0	799.2	1,382.8	1,442.5	1,881.8	1,304.3	1,817.5	1,496.9
Inter-Asian Currency Units	603.6	1,700.4	2,144.7	2,372.7	2,954.9	3,080.4	3,719.1	5,999.5	9,955.2	15,523.0	19,226.6
Outside Singapore	1,801.5	3,143.3	5,711.1	7,337.6	11,313.1	13,887.1	16,825.6	21,543.6	29,620.1	49,025.8	58,500.4
Other Liabilities	27.3	115.1	211.7	235.4	326.6	413.4	1,452.9	2,966.4	4,190.8	5,749.9	6,318.4

Source: The Monetary Authority of Singapore

11.10 ASSETS AND LIABILITIES OF FINANCE COMPANIES

(End of Period)

Million Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total Assets	867.7	1,155.6	1,392.4	1,430.4	1,607.3	1,761.2	2,017.3	2,472.8	3,075.1	4,275.4	5,357.4
Cash	1.5	1.5	5.0	3.0	2.1	2.2	2.5	3.2	4.5	5.0	6.8
Balances with The Monetary Authority of Singapore	33.6	76.0	67.7	62.1	70.1	76.2	86.6	105.7	126.0	170.9	217.2
Deposits with Banks & Other Institutions	262.6	275.2	390.0	369.4	384.8	366.0	373.8	368.7	405.0	707.2	751.6
Investments	27.1	33.2	28.0	38.3	56.9	71.3	95.2	111.3	100.5	114.6	120.4
Loans & Advances	498.9	724.9	840.3	897.0	1,026.4	1,176.9	1,397.1	1,827.9	2,367.1	3,187.6	4,129.7
Hire Purchase Finance	169.8	221.1	232.0	191.7	192.4	258.6	354.3	532.3	754.3	891.7	887.1
Housing Loans	179.1	266.6	307.5	354.6	440.0	431.4	446.4	551.6	637.2	763.6	879.7
Other Loans & Advances	150.0	237.2	300.8	350.7	394.0	486.9	596.4	744.0	975.6	1,532.3	2,362.9
Other Assets	44.0	44.8	61.4	60.6	67.0	68.6	62.1	56.0	72.0	90.1	131.7
Total Liabilities	867.7	1,155.6	1,392.4	1,430.4	1,607.3	1,761.2	2,017.3	2,472.8	3,075.1	4,275.4	5,357.4
Capital & Reserves	118.6	181.2	226.7	242.1	267.8	286.1	308.1	363.1	476.0	672.1	815.7
Deposits from Individuals & Institutions	683.2	853.8	1,031.1	1,048.4	1,191.2	1,305.4	1,510.0	1,812.4	2,121.3	2,942.2	3,711.5
Savings Deposits	19.7	25.7	26.0	36.1	43.9	50.6	55.5	62.8	65.2	75.9	112.3
Fixed Deposits	621.1	779.0	966.3	965.2	1,115.1	1,221.5	1,419.2	1,691.2	1,961.7	2,728.4	3,304.7
Other Deposits	42.4	49.1	38.8	47.1	32.2	33.3	35.3	58.4	94.4	137.9	294.5
Other Liabilities	65.9	120.6	134.6	139.9	148.3	169.7	199.2	297.3	477.8	661.1	830.2

Source: The Monetary Authority of Singapore

11.11 FINANCE COMPANIES LOANS AND ADVANCES BY INDUSTRY
(End of Period)

Thousand Dollars

	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	265,200	312,803	354,367	448,683	528,601	634,788	824,310	1,310,710	1,763,399
Agriculture, Mining & Quarrying	-	-	-	-	-	-	-	-	-
Manufacturing	6,102	7,887	11,375	13,805	20,934	29,473	92,645	164,594	167,659
Building & Construction	137,183	169,343	175,568	150,738	123,743	148,848	118,895	174,154	451,439
General Commerce	19,488	30,691	31,228	81,459	123,004	166,411	190,134	217,055	260,282
Transport, Storage & Communication	32,388	40,910	58,654	64,434	52,621	38,290	45,857	74,661	94,081
Financial Institutions	-	-	-	-	-	-	-	-	197,358
Professional & Private Individuals	55,800	44,533	50,405	93,972	134,370	163,501	230,321	390,540	458,654
Others	14,239	19,439	27,137	44,275	73,929	88,265	146,458	289,706	133,926

Source: The Monetary Authority of Singapore

11.12 ASSETS AND LIABILITIES OF MERCHANT BANKS
(End of Period)

Million Dollars

	1975	1976	1977	1978	1979	1980	1981	1982
Total Assets	1,839.7	2,656.7	2,463.9	3,746.7	8,378.4	13,299.6	19,279.7	22,020.4
Amounts Due from Banks	474.4	1,001.4	684.7	1,826.7	4,599.8	5,713.8	9,440.7	9,315.3
In Singapore	32.4	30.9	20.8	41.0	42.8	61.8	201.4	260.4
Outside Singapore ¹	442.0	970.5	663.9	1,785.7	4,557.0	5,652.0	9,239.3	9,054.9
Loans & Advances to Non-bank Customers	1,294.1	1,571.4	1,674.5	1,785.8	3,497.6	7,049.3	8,916.5	11,313.5
Securities & Equities	35.2	54.5	65.0	86.2	136.3	234.9	391.6	815.2
Other Assets	36.0	29.4	39.7	48.0	144.7	301.6	530.9	576.4
Total Liabilities	1,839.7	2,656.7	2,463.9	3,746.7	8,378.4	13,299.6	19,279.7	22,020.4
Capital & Reserves	113.5	120.2	136.9	195.1	309.3	452.0	909.8	1,395.3
Amounts Due to Banks	1,491.9	2,209.6	1,928.0	2,963.5	7,217.9	11,337.6	16,295.6	18,137.4
In Singapore	57.4	85.1	84.8	195.2	839.9	178.1	347.8	317.0
Outside Singapore ¹	1,434.5	2,124.5	1,843.2	2,768.3	6,378.0	11,159.5	15,947.8	17,820.4
Borrowings from Non-bank Customers	195.0	287.7	352.4	516.8	678.8	1,046.8	1,599.1	1,890.0
Other Liabilities	39.3	39.2	46.6	71.3	172.4	463.2	475.2	597.7

Note: Data include operations of Asian Currency Units of merchant banks. Provision of corporate financial advisory services, underwriting and operations in the gold market would not be reflected in the data.

Source: The Monetary Authority of Singapore

¹ Includes Asian Currency Units.

11.13 ASSETS AND LIABILITIES OF DISCOUNT HOUSES

(End of Period)

Million Dollars

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total Assets	370.3	436.0	493.7	552.7	618.5	684.7	763.6	949.5	1,603.8	2,050.5
Treasury Bills	222.3	270.4	296.1	306.6	315.5	346.8	439.4	647.5	1,061.8	1,263.7
Other Government Securities	72.5	49.7	45.0	79.5	120.7	134.7	84.5	16.3	52.0	97.2
Bills Discounted Payable in Singapore ¹	73.7	101.6	80.2	92.5	117.7	147.3	158.5	230.0	375.0	493.9
Singapore Dollar Negotiable Certificates of Deposit	-	-	65.4	68.8	62.0	53.6	69.3	53.7	99.2	119.4
Other Assets	1.8	14.3	7.0	5.3	2.6	2.3	11.9	2.0	15.8	76.3
Total Liabilities	370.3	436.0	493.7	552.7	618.5	684.7	763.6	949.5	1,603.8	2,050.5
Capital & Reserves	9.0	18.8	20.4	21.9	25.1	26.0	27.4	28.6	42.3	59.1
Deposits	357.1	406.8	462.5	519.8	581.2	643.4	718.0	889.3	1,508.5	1,933.7
Other Liabilities	4.2	10.4	10.8	11.0	12.2	15.3	18.2	31.6	53.0	57.7

¹ Includes bills refinanced for banks.

Source: The Monetary Authority of Singapore

11.14 DOMESTIC INTEREST RATES

(End of Period)

Per Cent Per Annum

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Banks¹											
Minimum Lending Rate	7.50	9.00	10.25	7.08	6.78	7.02	7.65	9.48	13.60	11.83	9.33
Average Lending Rate ²	8.80	9.90	11.70	9.00	8.60	8.60	9.00	10.50	14.20	..	..
Deposit Rates											
3 Months	5.00	6.50	7.50	4.31	3.76	4.54	5.29	7.15	11.22	7.43	6.16
6 Months	5.25	6.75	8.00	4.96	4.34	4.98	5.55	7.40	10.92	8.40	6.55
12 Months	5.75	7.25	9.00	5.79	5.31	5.53	6.01	7.65	10.55	8.95	7.08
Savings Deposit Rate	3.50	4.00	5.50	3.50	3.52	3.68	4.20	6.38	9.52	7.90	6.43
Finance Companies											
Average Lending Rate ²	12.40	10.40	12.60	11.50	10.80	10.20	9.80	9.90	11.80	..	..
Deposit Rates³											
Up to 3 Months	..	6.70	8.30	5.00	4.90	5.30	6.40	8.10	12.20	..	6.60
Over 3 & Up to 12 Months	..	7.50	9.80	6.80	6.70	6.50	6.80	7.60	9.90	..	7.58
POSB Savings Deposit Rate for Amounts⁴											
Up to \$100,000	4.00	4.00	6.00	5.50	5.50	5.00	5.25	6.00	8.50	9.50	7.00
Exceeding \$100,000	4.00	4.00	6.00	5.50	5.50	5.00	3.50	4.25	6.00	7.00	5.50

1 Prior to October 1973, banks' interest rates were fixed by the Association of Banks in Malaysia and Singapore and thereafter by the Association of Banks in Singapore in consultation with The Monetary Authority of Singapore. After July 1975, when banks were permitted to quote their own interest rates on advances and deposits to customers, the rate refers to the average quoted by 10 leading banks.

Source: The Monetary Authority of Singapore
Post Office Savings Bank

2 These rates are weighted by outstanding loans.

3 The deposit rates prior to 1982 are weighted by outstanding deposits. However, from 1982, the rates refer to the average nominal rates quoted by 10 leading finance companies for 3 month and 12 month deposits respectively.

4 A two-tier interest rate system was introduced in September 1978.

11.15 DEPOSITS AND WITHDRAWALS OF POST OFFICE SAVINGS BANK

Million Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Number of Savings Accounts (End of Period)	622,714	731,956	831,751	950,470	1,144,990	1,343,904	1,523,969	1,710,552	1,898,264	2,075,705	2,282,362
Amount											
Deposited	87.3	135.9	221.3	554.5	1,000.4	1,535.7	2,256.0	2,621.5	3,581.4	5,147.3	6,542.2
Withdrawn	57.5	95.8	134.0	295.5	591.9	1,005.3	1,900.6	2,240.2	3,511.8	4,862.0	5,049.4
Due to Account Holders (End of Period)	125.2	170.9	268.5	548.4	996.0	1,589.0	2,029.0	2,525.2	2,756.7	3,265.9	5,058.4

Source: Post Office Savings Bank

11.16 CONTRIBUTIONS AND WITHDRAWALS OF CENTRAL PROVIDENT FUND

Million Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Amount											
Contributed	330.8	474.7	686.7	886.6	1,008.0	1,114.7	1,352.0	1,753.1	2,296.0	3,007.2	3,901.4
Withdrawn	57.9	93.5	154.3	216.9	377.7	503.5	657.8	629.3	779.1	1,067.6	1,241.2
Due to Members (End of Period)	1,316.0	1,770.7	2,413.7	3,234.9	4,066.1	4,954.0	5,981.4	7,515.5	9,551.2	12,149.8	15,655.5

Source: Central Provident Fund Board

11.17 WITHDRAWALS OF CENTRAL PROVIDENT FUND BY TYPE

Year	Total	Approved Housing Schemes		Reached 55 Years of Age		Leaving Singapore & Malaysia Permanently ¹		Physically/Mentally Incapacitated		Death		Others ²
	\$'000	Number	\$'000	Number	\$'000	Number	\$'000	Number	\$'000	Number	\$'000	\$'000
1972	57,870	5,026	25,056	6,667	23,763	874	4,073	145	798	1,596	3,805	375
1973	93,488	11,809	50,645	8,402	31,420	1,147	5,657	149	790	1,941	4,746	230
1974	154,349	16,488	92,817	9,664	46,364	1,350	8,112	266	1,256	1,741	5,504	296
1975	216,881	20,185	134,816	12,820	60,924	1,578	11,218	337	1,462	2,261	8,397	64
1976	377,721	40,308	275,245	11,182	76,247	1,454	14,113	439	2,770	2,038	9,259	87
1977	503,520	48,765	383,471	11,745	89,950	1,379	14,146	465	3,345	2,147	12,559	49
1978	657,790	48,680	488,413	14,291	123,083	1,382	15,725	274	2,173	2,207	13,797	14,599
1979	629,251	43,430	438,586	13,319	150,690	1,921	18,160	301	3,192	2,247	15,070	3,553
1980	779,084	47,212	520,943	15,513	213,906	2,961	23,239	299	3,453	2,206	15,566	1,977
1981	1,067,604	53,955	691,054	19,158	294,525	3,800	32,965	327	5,403	2,300	19,541	24,116
1982	1,241,160	35,455	796,308	21,392	322,853	8,304	56,387	277	5,314	2,969	27,101	33,197

¹ Including Malaysians leaving Singapore permanently from 1971 onwards.

Source: Central Provident Fund Board

² In April 1978, contributors were allowed to withdraw funds for the purchase of shares of Singapore Bus Services (Limited). With effect from 1 January 1982, members who are covered by the Home Protection Insurance Scheme were allowed to use their CPF savings to pay for the insurance premiums.

11.18 TURNOVER OF STOCKS AND SHARES

Million

Year	Total		Industrial ¹		Finance		Hotels		Properties		Mining		Plantation	
	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars
1972	938.0	2,162.9	567.2	1,538.6	..	..	120.3	208.9	222.2	335.2	4.7	18.7	23.6	61.5
1973	613.1	2,436.3	420.6	1,892.7	..	..	75.1	177.7	100.8	290.3	1.0	5.6	15.6	70.0
1974	529.7	1,133.5	266.3	583.4	116.2	351.6	54.3	74.7	75.8	87.3	1.2	4.0	15.9	32.5
1975	800.4	1,829.9	393.7	860.0	204.5	712.6	106.0	117.7	76.5	105.7	9.7	17.2	10.0	16.7
1976	707.8	1,928.4	410.8	956.3	163.4	793.8	41.5	52.3	79.2	106.8	2.8	4.0	10.1	15.2
1977	640.2	1,157.6	475.5	796.9	46.6	170.6	19.5	32.5	51.8	75.6	2.9	11.7	43.9	70.3
1978	1,489.1	3,382.9	886.7	1,944.5	152.4	637.1	116.8	163.9	142.9	216.4	61.4	129.6	128.9	291.4
1979	962.6	2,308.9	558.3	1,282.0	101.7	418.4	67.7	89.6	98.5	159.2	21.5	48.7	114.9	311.0
1980	2,183.7	7,806.1	1,311.2	4,615.3	229.7	1,295.7	143.2	275.5	325.3	1,030.4	60.3	196.7	114.0	392.5
1981	2,734.1	13,419.1	1,767.0	8,451.7	257.8	1,891.3	282.7	986.1	267.2	1,590.0	74.0	204.3	85.4	295.7
1982	1,549.9	5,105.2	981.9	2,930.9	201.1	1,172.0	113.7	242.3	181.3	616.3	32.6	64.2	39.3	79.5

Note: Prior to May 1973 when the Exchange was known as the Stock Exchange of Malaysia & Singapore, turnover included trading in Malaysian trading room.

Source: Stock Exchange of Singapore

1 Figures prior to 1973 include Finance.

11.19 STOCK EXCHANGE OF SINGAPORE INDICES

(1970 = 100)

Year	Industrial	Finance	Hotels	Properties	Mining	Plantation
1972	260.0	300.8	172.1	278.3	147.4	186.1
1973	380.4	642.2	343.1	571.9	154.4	326.8
1974	215.4	312.7	193.4	273.1	126.3	250.8
1975	209.8	339.4	224.7	252.6	114.6	222.2
1976	237.2	426.9	211.9	213.4	109.2	228.1
1977	226.2	366.8	216.8	200.0	162.9	258.0
1978	300.6	422.4	314.2	251.1	213.0	394.6
1979	346.8	523.2	425.7	306.2	232.4	514.7
1980	489.6	769.9	727.6	621.4	358.7	684.6
1981	737.1	1,228.5	1,584.0	1,247.5	395.7	704.5
1982	553.7	1,174.1	1,265.9	932.7	285.6	662.6

Source: Stock Exchange of Singapore

11.20 PLEDGES AT PAWNSHOPS

Year	Pledges		Amount of Loan	
	Received	Redeemed	Given Out	Redeemed including Interest
	Number		Million Dollars	
1972	1,911,824	1,740,475	119.7	114.3
1973	2,016,898	1,805,420	158.8	144.0
1974	2,046,110	1,875,608	190.9	179.4
1975	2,011,219	1,835,307	204.4	196.7
1976	2,036,468	1,864,317	205.0	203.9
1977	1,992,950	1,875,631	213.0	216.2
1978	1,901,068	1,774,697	236.1	229.6
1979	2,006,025	1,891,252	305.4	291.3
1980	1,945,756	1,885,832	382.7	372.1
1981	1,912,592	1,821,172	406.1	413.2
1982	1,920,851	1,854,035	397.2	410.8

11.21 LIFE INSURANCE POLICIES

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
	Number									
Policies in Force ¹	93,332	111,509	124,177	140,041	155,425	183,099	214,316	246,657	248,077	271,214
New Policies ²	26,480	28,876	25,570	30,271	34,628	45,303	50,632	61,707	59,174	49,539
Policies Matured or Discontinued	12,157	10,699	12,902	14,407	19,244	17,929	19,415	29,366	25,245	26,409
	Thousand Dollars									
Policies in Force										
Amount Insured (End of Period)	1,046,766	1,412,098	1,820,078	2,237,001	2,717,174	3,323,449	4,081,856	5,162,192	6,334,818	7,778,400
Premiums	42,226	52,365	61,890	73,121	85,058	99,577	117,389	143,178	170,038	198,046
New Policies										
Amount Insured	330,065	471,843	566,543	655,128	765,334	922,908	1,124,796	1,454,410	1,664,513	1,894,480
Premiums	10,908	14,237	14,949	18,037	20,764	24,334	29,085	36,700	40,114	43,508
Policies Matured or Discontinued										
Amount Insured	96,129	106,511	158,564	238,206	285,161	318,115	366,389	374,074	491,887	450,898
Premiums	3,725	4,098	5,424	7,165	8,827	9,904	10,222	10,911	14,170	15,500

1 At end period. Prior to 1980, the lives insured under some group policies were counted as policies.

Source: The Monetary Authority of Singapore

2 Prior to 1981, the lives insured under some group policies were counted as policies.

11.22 REVENUE AND EXPENDITURE ACCOUNTS OF LIFE INSURANCE FUNDS

Thousand Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Revenue										
Total	227,885	266,325	302,000	344,678	399,984	469,305	552,207	639,339	771,593	933,210
Balance of Revenue Account at Beginning of Year	165,053	192,205	218,297	249,624	290,359	336,363	394,215	460,978	537,126	649,229
Premiums	41,083	49,132	55,122	67,735	81,908	96,855	113,747	139,748	163,965	191,814
Net Interest, Dividends & Rents	11,770	13,560	16,848	20,955	23,270	28,650	32,866	36,641	47,062	61,327
Miscellaneous	9,979	11,428	11,733	6,364	4,447	7,437	11,379	1,972	23,440	30,840
Expenditure										
Total	227,885	266,325	302,000	344,678	399,984	469,305	552,207	639,339	771,593	933,210
Claims on Death, Disability & Maturity	9,520	10,078	13,275	13,878	16,688	18,541	20,874	23,207	28,344	36,864
Surrenders	4,575	5,335	6,852	7,613	8,755	10,477	12,315	13,190	15,875	20,070
Cash Bonuses & Annuities	1,865	2,141	2,395	2,564	2,867	3,147	3,554	4,394	7,706	5,973
Management Expenses										
Commission	8,037	10,284	11,212	14,703	17,542	21,271	25,234	31,708	36,015	40,632
Salaries	2,601	3,075	3,504	4,174	4,367	4,861	5,667	6,592	7,900	8,909
Other	4,509	7,231	7,482	8,423	10,469	10,702	14,115	15,878	23,797	34,716
Miscellaneous	4,573	9,884	7,656	2,964	2,933	6,091	9,470	7,344	2,727	9,464
Balance of Revenue Account at End of Year	192,205	218,297	249,624	290,359	336,363	394,215	460,978	537,026	649,229	776,582

Source: The Monetary Authority of Singapore

11.23 ASSETS OF LIFE INSURANCE FUNDS

(End of Period)

Thousand Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	221,054	251,766	284,057	337,068	387,427	445,416	504,975	585,124	705,094	834,673
Fixed Assets	18,861	20,217	27,336	29,966	31,284	31,188	33,901	34,658	38,069	41,394
Property	18,384	19,490	26,398	28,782	29,760	29,528	32,034	31,853	35,432	37,651
Furniture	477	727	938	1,184	1,524	1,660	1,867	2,805	2,637	3,743
Loans	33,430	40,017	53,888	58,908	58,777	57,383	69,216	105,497	124,530	186,938
On Mortgages	16,004	19,645	29,601	31,747	28,031	22,585	22,231	42,014	48,721	93,082
On Policies	17,087	19,837	23,492	26,438	30,047	34,106	40,674	48,187	59,283	76,580
Other	339	535	795	723	699	692	6,311	15,296	16,526	17,276
Investments	123,387	162,994	161,874	188,399	224,051	273,050	308,879	338,973	378,230	424,236
Government & Statutory Authorities	65,266	74,816	77,289	84,682	101,189	129,830	149,451	170,819	180,028	198,231
Debentures & Shares ¹	58,121	88,178	84,585	103,717	122,862	143,220	159,428	168,154	198,202	226,005
Cash & Deposits	33,145	19,900	29,105	46,687	56,846	58,317	66,490	75,700	108,845	154,875
Miscellaneous (including Outstanding Premiums)	12,231	8,638	11,854	13,108	16,469	25,478	26,489	30,296	55,420	27,230

¹ Figure for 1981 includes trade bills of \$251,000.

Source: The Monetary Authority of Singapore

11.24 PREMIUMS AND CLAIMS OF GENERAL INSURANCE FUNDS

Thousand Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Net Premiums¹										
Total	106,699	127,948	153,013	171,218	196,217	209,781	236,924	274,545	340,707	397,738
Marine, Aviation or Transit	18,499	25,190	30,468	31,311	38,387	47,313	52,072	58,149	70,728	74,242
Other	88,200	102,758	122,545	139,907	157,830	162,468	184,852	216,396	269,979	323,496
Fire	15,824	21,063	27,004	29,714	34,642	37,521	40,679	45,406	51,226	61,158
Motor Vehicles	34,256	40,028	42,396	41,966	46,020	48,385	59,744	74,042	102,561	117,437
Miscellaneous	38,120	41,667	53,145	68,227	77,168	76,562	84,429	96,948	116,192	144,901
Net Claims²										
Total	35,580	42,184	53,750	60,689	67,202	87,450	94,203	113,911	141,627	146,720
Marine, Aviation or Transit	8,718	10,031	15,636	17,769	15,287	22,061	25,406	30,275	35,736	35,718
Other	26,862	32,153	38,114	42,920	51,915	65,389	68,797	83,636	105,891	111,002
Fire	3,524	5,186	5,780	6,852	9,537	14,565	11,833	19,974	29,424	18,823
Motor Vehicles	16,463	18,091	20,626	22,349	23,152	26,517	29,431	36,172	45,637	52,627
Miscellaneous	6,875	8,876	11,708	13,719	19,226	24,307	27,533	27,490	30,830	39,552

1 Refer to gross premiums less premiums paid for re-insurance in and out of Singapore.

Source: The Monetary Authority of Singapore

2 Refer to gross claims paid less recoveries from re-insurance placed in and out of Singapore.

11.25 REVENUE AND EXPENDITURE ACCOUNTS OF GENERAL INSURANCE FUNDS

Thousand Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Revenue										
Total	214,916	270,144	330,005	377,698	439,716	481,694	527,272	603,653	742,784	897,148
Balance of Revenue Account at Beginning of Year	8,020	5,546	18,112	18,114	33,140	36,814	31,045	34,665	30,971	39,527
Reserves at Beginning of Year	39,619	49,278	59,541	70,496	79,318	87,870	92,632	101,644	119,859	146,720
Provision for Outstanding Claims	35,778	53,234	60,301	71,613	80,598	90,445	98,685	119,783	149,726	178,196
Premiums	106,699	127,949	153,013	171,218	196,217	209,781	236,924	274,545	340,707	397,729
Net Interest, Dividends & Rents	5,322	6,846	10,296	11,604	12,354	13,603	14,770	20,864	26,824	40,352
Miscellaneous	19,478	27,291	28,742	34,653	38,089	43,181	53,216	52,152	74,697	94,624
Expenditure										
Total	214,916	270,144	330,005	377,698	439,716	481,694	527,272	603,653	742,784	897,148
Claims Paid, Admitted or Intimated	88,815	102,362	125,364	138,029	157,071	188,342	215,390	263,637	317,465	366,023
Management Expenses										
Commission	27,879	33,080	39,608	44,565	52,268	55,060	62,151	71,501	85,512	91,265
Other	22,833	26,838	35,326	45,170	55,114	53,828	53,332	57,187	71,552	88,123
Miscellaneous	20,573	29,540	41,098	39,433	52,327	59,806	59,548	59,693	81,616	97,568
Balance of Revenue Account at End of Year	5,546	18,222	18,113	32,526	35,295	30,706	33,681	30,971	39,923	75,583
Reserves at End of Year	49,270	60,102	70,496	77,975	87,641	93,952	103,170	120,664	146,716	178,586

Source: The Monetary Authority of Singapore

11.26 ASSETS OF GENERAL INSURANCE FUNDS

(End of Period)

Thousand Dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	137,030	172,676	212,378	250,075	299,809	325,095	392,057	437,793	527,789	684,623
Fixed Assets	20,780	24,217	27,142	28,317	33,963	36,726	35,644	36,160	40,895	48,861
Loans	2,182	6,001	9,109	7,810	7,354	5,795	3,718	5,094	5,201	5,464
Investments	46,059	56,355	58,878	79,755	105,959	122,578	145,083	159,929	188,566	229,592
Government & Statutory Authorities	25,617	28,452	34,885	42,783	52,206	65,831	75,609	82,512	89,472	108,600
Debentures & Shares	20,442	27,903	23,993	36,972	53,753	56,747	69,474	77,417	99,094	120,992
Cash & Deposits	47,349	59,470	85,625	99,746	110,804	106,489	147,363	162,854	207,554	294,579
Miscellaneous	20,660	26,633	31,624	34,447	41,729	53,507	60,249	73,756	85,573	106,127

Source: The Monetary Authority of Singapore

12. PUBLIC FINANCE

Government Revenue and Expenditure

The main revenue collecting departments are the Customs and Excise Department and the Inland Revenue Department. The former is responsible for the collection of import and excise duties on liquor, tobacco, petroleum, motor vehicles and film hire and entertainment duties. The Inland Revenue Department is responsible for the collection of taxes on income and property, estate and stamp duties and duties on sweepstakes and lotteries.

Personal income tax in Singapore is based on a progressive scale applied to the previous year's chargeable income after the appropriate deductions have been made. Deductions include allowances for personal relief, earned income, maintenance of wife, children and dependants, life insurance premiums, contributions to Central Provident

Fund and approved pension schemes. Company taxes are based on a flat rate of 40 per cent of income with the usual allowances. In addition, special tax exemptions and liberal depreciation allowances are provided to pioneer companies and other export-orientated firms. The Government has also entered into double taxation agreements with countries which have trading and other interests in Singapore.

Government revenue is credited to the Consolidated Revenue Account and current expenditure is paid out of this Account.

Development Fund

The Development Fund was established in 1960 and receipts from revenue allocation for development, loans and grants, and other sources available for development financing

are credited to this account. All payments for development expenditure by the Government and of loans to

statutory authorities to finance part of their development needs are paid out of this Fund.

12.1 ECONOMIC CLASSIFICATION OF GOVERNMENT REVENUE

Million Dollars

Financial Year	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83 ³	1983/84 ³
Economic Classification												
Total ¹	1,749.3	2,219.2	2,556.9	3,092.2	3,156.2	3,555.5	3,738.8	4,603.0	5,903.5	7,862.2	7,638.8	8,871.2
Transfer Receipts	1,238.7	1,568.4	1,950.3	2,298.0	2,419.3	2,817.1	2,948.7	3,401.3	4,415.3	5,467.4	5,510.7	6,288.8
Taxes on Income	429.7	585.7	894.7	1,160.2	1,141.9	1,319.3	1,300.3	1,413.7	2,066.8	2,730.5	2,930.0	3,100.0
Taxes on Production & Expenditure	720.9	875.4	942.6	1,022.4	1,157.3	1,298.0	1,481.5	1,813.2	2,143.2	2,462.1	2,319.4	2,888.8
Excise Duties	141.6	163.4	170.2	177.9	183.5	194.7	207.4	222.3	251.2	265.5	271.7	306.9
Import Duties	195.7	238.4	222.5	238.1	272.7	313.6	340.4	393.6	435.7	429.7	386.6	455.1
Property Tax	170.5	213.7	271.4	293.9	353.3	350.2	414.0	521.9	556.7	715.9	670.8	876.5
Motor Vehicle Taxes ²	95.1	128.5	151.0	166.6	183.1	260.1	299.1	404.0	527.5	529.8	514.8	690.4
Stamp Duty	54.9	62.7	46.7	49.4	57.0	61.1	88.5	116.3	186.1	281.5	225.0	263.0
Others	63.1	68.7	80.8	96.5	107.7	118.3	132.1	155.1	186.0	239.7	250.5	296.9
Other Transfer Receipts	88.1	107.3	113.0	115.4	120.1	199.8	166.9	174.4	205.3	274.8	261.3	300.0
Estate Duty	17.0	23.9	33.6	21.0	21.9	22.6	35.0	29.6	28.5	51.3	30.0	30.0
Others	71.1	83.4	79.4	94.4	98.2	177.2	131.9	144.8	176.8	223.5	231.3	270.0
Disposal of Goods & Services	300.3	437.6	439.5	578.1	515.2	496.0	491.0	793.3	895.3	1,840.2	1,703.1	1,959.5
Sales of Goods & Services from Current Operations	245.0	273.5	288.1	323.0	350.1	379.3	428.4	485.4	620.7	916.7	797.1	891.2
Reimbursements for Services & Sales of Lands	55.3	164.1	151.4	255.1	165.1	116.7	62.6	307.9	274.6	923.5	906.0	1,068.3
Income from Property & Financial Claims	210.3	213.2	167.1	216.1	221.7	242.4	299.1	408.4	592.9	554.6	425.0	622.9
Interest & Dividends Received	187.2	150.6	160.5	207.7	211.3	234.4	289.2	400.9	492.9	545.7	417.2	614.7
Financial Claims and Others	23.1	62.6	6.6	8.4	10.4	8.0	9.9	7.5	100.0	8.9	7.8	8.2

1 Refers to revenue credited to the Consolidated Revenue Account.

2 Motor vehicle taxes comprise road tax, special tax on heavy oil engine, ad valorem registration fees and passenger vehicles seating fees, but exclude import duties on imported motor vehicles.

3 Based on Budget estimates.

12.2 ECONOMIC CLASSIFICATION OF GOVERNMENT MAIN EXPENDITURE

Million Dollars

Financial Year	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83 ²	1983/84 ²
Economic Classification												
Total	1,579.2	2,107.4	2,492.6	2,984.4	3,148.3	3,552.4	3,729.9	4,536.2	5,708.5	7,680.4	7,638.8	8,871.2
Salaries of Government Employees	385.6	433.9	513.8	572.6	611.3	660.9	729.0	840.6	934.1	1,080.4	1,358.1	1,594.1
Personal Emoluments & Allowances	371.6	407.3	474.8	525.3	561.1	604.6	662.5	743.3	816.7	945.8	1,191.3	1,382.4
Contributions to Central Provident Fund	14.0	26.6	39.0	47.3	50.2	56.3	66.5	97.3	117.4	134.6	166.8	211.7
Rental of Fixed Assets	1.8	2.3	3.0	8.9	7.6	7.7	8.9	10.9	12.6	16.5	22.7	24.4
Other Goods & Services for Current Operations	107.2	150.7	143.3	154.8	164.2	176.1	206.3	224.8	273.1	395.6	532.3	558.1
Expenditure on Goods & Services for Fixed Capital Formation	11.3	9.3	13.3	20.4	18.2	27.1	24.0	21.0	28.3	35.1	59.2	58.8
Interest Payments	140.9	177.7	207.5	252.1	345.7	462.8	564.1	685.1	836.8	893.6	966.7	1,270.7
Transfer Payments	244.1	465.8	745.1	721.9	876.1	874.4	1,034.2	975.2	593.0	2,249.2	2,768.1	3,059.8
Transfer to Households	34.5	42.4	41.0	42.7	43.3	44.8	43.9	59.9	82.3	109.6	156.0	209.4
Transfer to Development Fund	100.0	272.5	480.0	443.1	583.0	556.4	664.0	511.3	94.0	1,703.8	2,047.7	1,988.7
Other Transfers	109.6	150.9	224.1	236.1	249.8	273.2	326.3	404.0	416.7	435.8	564.4	861.7
Financial Claims	315.7	426.8	355.0	625.9	369.4	471.1	329.4	900.2	1,932.6	1,689.9	416.1	507.3
Unallocable ¹	372.6	440.9	511.6	627.8	755.8	872.3	834.0	878.4	1,098.0	1,320.1	1,515.6	1,798.0

Note: Government Main Expenditure refers to the expenditure of the Consolidated Revenue Account.

1 Refers mainly to armed forces expenditure of which separate data are not available for economic classification.

2 Based on Budget estimates.

12.3 FUNCTIONAL CLASSIFICATION OF GOVERNMENT MAIN EXPENDITURE

Million Dollars

Financial Year	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83 ¹	1983/84 ¹
Functional Classification												
Total	1,579.2	2,107.4	2,492.6	2,984.4	3,148.3	3,552.4	3,729.9	4,536.2	5,708.5	7,680.4	7,638.8	8,871.2
General Services	73.9	118.5	98.9	100.9	102.8	120.1	131.8	141.2	217.7	225.7	310.2	522.3
Defence, Justice and Police	437.6	524.8	613.6	739.3	877.8	1,007.1	986.8	1,051.2	1,296.2	1,555.8	1,819.2	2,144.0
Social & Community Services	363.7	483.3	574.9	650.3	693.3	748.1	826.5	948.4	1,035.2	1,225.3	1,562.1	1,958.4
Education	206.5	261.4	296.6	328.9	346.0	365.9	408.6	486.0	567.2	683.0	870.5	1,190.0
Health	101.1	103.6	125.4	142.4	147.7	157.0	178.9	200.9	232.5	273.2	341.4	387.7
Other Social & Community Services	56.1	118.3	152.9	179.0	199.6	225.2	239.0	261.5	235.5	269.1	350.2	380.7
Economic Services	75.8	67.5	114.6	141.5	144.7	153.0	177.7	198.3	242.8	330.2	444.7	395.4
Agricultural, Non-mineral Resources, Industrial & Commercial Development	22.5	12.8	36.8	40.9	39.6	43.5	48.6	56.4	67.2	101.3	168.2	118.3
Transport & Communication	31.7	35.9	43.2	52.9	54.4	56.7	95.1	105.2	129.8	170.5	198.4	171.4
Other Economic Services	21.6	18.8	34.6	47.7	50.7	52.8	34.0	36.7	45.8	58.4	78.1	105.7
Public Debt	453.6	603.4	557.3	875.4	712.7	877.0	892.6	1,583.9	2,768.0	2,581.5	1,382.0	1,777.4
Unallocable	74.6	37.4	53.3	33.9	34.0	90.7	50.5	101.9	54.6	58.1	72.9	85.0
Transfer to Development Fund	100.0	272.5	480.0	443.1	583.0	556.4	664.0	511.3	94.0	1,703.8	2,047.7	1,988.7

¹ Based on Budget estimates.

12.4 ECONOMIC-FUNCTIONAL CLASSIFICATION OF GOVERNMENT MAIN AND DEVELOPMENT EXPENDITURE, 1982

Thousand Dollars

Functional Classification Economic Classification	Total	General Services	Defence, Justice and Police	Social and Community Services			Economic Services	Public Debt and Unallocable Expenditure
				Education	Health	Others		
Total	11,692,865	546,388	1,691,544	1,193,585	378,370	2,796,090	2,084,512	3,002,376
Salaries of Government Employees	1,307,719	155,856	213,759	446,027	243,307	147,245	101,525	-
Personal Emoluments & Allowances	1,140,351	134,360	189,690	396,343	209,397	123,780	86,781	-
Contributions to Central Provident Fund	167,368	21,496	24,069	49,684	33,910	23,465	14,744	-
Rental of Fixed Assets	19,626	11,652	74	105	2,293	2,499	3,003	-
Expenditure on Goods & Services	1,991,315	351,966	121,577	238,612	98,738	339,824	840,162	436
Interest Payments	956,202	-	-	-	-	-	-	956,202
Transfer Payments	918,552	26,056	3,564	508,841	34,032	60,066	206,570	79,423
Transfer to Households	156,170	341	290	72,741	307	3,100	314	79,077
Transfer to Public Authorities & Non-profit Institutions	441,612	1,463	842	318,908	2,631	32,813	84,955	-
Capital Transfer to Domestic Sector	5,919	3,135	183	972	398	51	834	346
Other Transfers	314,851	21,117	2,249	116,220	30,696	24,102	120,467	-
Financial Claims	5,146,859	836	-	-	-	2,246,456	933,252	1,966,315
Unallocable ¹	1,352,592	22	1,352,570	-	-	-	-	-

Note: Figures exclude transfer of \$1,703,794,850 to the Development Fund Account.

¹ Refers mainly to armed forces expenditure of which separate data are not available for economic classification.

12.5 ECONOMIC-FUNCTIONAL CLASSIFICATION OF GOVERNMENT MAIN EXPENDITURE, 1982

Thousand Dollars

Functional Classification Economic Classification	Total	General Services	Defence, Justice and Police	Social and Community Services			Economic Services	Public Debt and Unallocable Expenditure
				Education	Health	Others		
Total	6,725,135	278,550	1,617,978	866,670	313,313	262,302	383,946	3,002,376
Salaries of Government Employees	1,307,719	155,856	213,759	446,027	243,307	147,245	101,525	-
Personal Emoluments & Allowances	1,140,351	134,360	189,690	396,343	209,397	123,780	86,781	-
Contributions to Central Provident Fund	167,368	21,496	24,069	49,684	33,910	23,465	14,744	-
Rental of Fixed Assets	19,626	11,652	74	105	2,293	2,499	3,003	-
Expenditure on Goods & Services	481,081	84,128	48,011	19,563	62,583	74,664	191,896	436
Interest Payments	956,202	-	-	-	-	-	-	956,202
Transfer Payments	640,731	26,056	3,564	401,175	5,130	37,892	87,491	79,423
Transfer to Households	156,170	341	290	72,741	307	3,100	314	79,077
Transfer to Public Authorities & Non-profit Institutions	441,612	1,463	842	318,908	2,631	32,813	84,955	-
Other Transfers	42,949	24,252	2,432	9,526	2,192	1,979	2,222	346
Financial Claims	1,967,184	836	-	-	-	2	31	1,966,315
Unallocable ¹	1,352,592	22	1,352,570	-	-	-	-	-

Note: Figures exclude transfer of \$1,703,794,850 to the Development Fund Account.

¹ Refers mainly to armed forces expenditure of which separate data are not available for economic classification.

12.6 SOURCES AND USES OF DEVELOPMENT FUND

Million Dollars

Financial Year	Balance (Beginning of Financial Year)	Sources				Uses			
		Total	Consolidated Revenue Account	Consolidated Loan Account	Other	Total	Government Development Expenditure	Loans to Sta- tutory Boards & Enterprises	Other
1972/73	675.2	1,113.5	100.0	815.4	198.1	676.5	233.9	431.5	11.1
1973/74	1,112.2	1,289.9	272.5	716.6	300.8	1,106.5	208.9	897.6	-
1974/75	1,295.6	1,762.5	480.0	842.0	440.5	1,140.8	283.8	847.8	9.2
1975/76	1,917.3	2,292.0	443.1	1,303.3	545.6	1,548.5	404.7	1,138.7	5.1
1976/77	2,660.8	3,456.0	582.9	2,043.2	829.9	1,683.9	618.5	1,065.4	-
1977/78	4,432.9	3,329.1	556.4	1,694.5	1,078.2	1,890.0	710.0	1,180.0	-
1978/79	5,872.0	3,946.8	664.0	2,022.5	1,260.3	2,148.9	790.6	1,358.3	-
1979/80	7,669.9	3,380.8	511.3	1,698.5	1,171.0	2,303.2	938.7	1,364.5	-
1980/81	8,747.5	4,142.0	94.0	2,221.1	1,826.9	3,654.5	1,385.9	2,268.6	-
1981/82	9,235.0	3,241.0	1,703.8	13.8	1,523.4	5,154.7	1,614.5	2,584.5	955.7
1982/83 ¹	7,321.3	4,434.7	2,047.7	1,335.6	1,051.4	6,849.4	2,578.0	4,271.4	-

¹ Based on Budget estimates.

Source: Accountant-General's Department

12.7 GOVERNMENT DEBT

Million Dollars

End of Year	Total	Domestic					External ¹					
		Total	Registered Stocks	Bearer Bonds	Treasury Bills and Deposits	Advance Deposits	Total	UK Special Aid	World Bank	Asian Development Bank	Capital Market Loan	Others
1972	3,483.2	3,052.4	1,628.0	35.0	1,178.2	211.2	430.8	231.2	13.8	1.8	143.9	40.1
1973	3,757.6	3,285.3	2,332.6	35.0	745.8	171.9	472.3	264.5	18.2	5.0	143.9	40.7
1974	4,522.4	4,028.5	2,761.2	35.0	848.4	383.9	493.9	270.1	27.6	6.3	143.9	46.0
1975	5,698.1	5,155.4	3,747.4	75.0	930.1	402.9	542.7	270.1	47.2	8.4	143.9	73.1
1976	7,315.1	6,656.8	5,322.1	75.0	819.0	440.7	658.3	270.1	65.7	14.0	231.8	76.7
1977	9,130.2	8,143.1	6,851.4	115.0	827.6	349.1	987.1	270.1	79.6	14.8	528.6	94.0
1978	10,692.6	9,674.4	7,872.3	135.0	942.1	725.0	1,018.2	260.7	131.3	13.4	514.5	98.3
1979	12,396.5	11,419.8	9,585.2	135.0	1,128.0	571.6	976.7	251.2	137.6	11.9	487.8	88.2
1980	14,669.5	13,732.5	11,608.7	120.0	1,651.3	352.5	937.0	241.0	145.7	11.1	460.9	78.3
1981	17,138.2	16,241.8	11,333.0	80.0	1,943.3	2,885.5	896.4	232.0	143.5	16.0	436.0	68.9
1982	20,730.4	19,855.7	12,556.1	80.0	1,839.8	5,379.8	874.7	224.1	137.1	43.9	408.9	60.7

¹ Figures were computed at market rates.Source: Accountant-General's Department
The Monetary Authority of Singapore

12.8 GOVERNMENT REGISTERED STOCKS BY HOLDERS

Million Dollars

End of Year Categories of Holders	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	1,628.0	2,332.6	2,761.2	3,747.4	5,322.1	6,851.4	7,872.3	9,585.2	11,608.7	11,333.0	12,556.1
Central Provident Fund	1,092.1	1,572.2	1,978.8	2,803.0	3,743.4	4,584.1	5,229.7	6,919.7	9,082.2	9,002.1	9,812.6
Public Authorities	177.7	189.8	165.5	211.0	190.5	245.4	359.9	386.9	432.3	429.3	357.2
Post Office Savings Bank	88.9	45.9	44.4	66.4	305.2	667.2	688.2	708.2	728.2	656.3	656.3
Insurance Companies	56.9	80.1	89.4	105.9	133.8	163.2	191.1	228.4	223.7	260.5	318.9
Commercial Banks	140.8	257.3	344.0	352.4	616.1	733.7	782.5	722.3	689.9	588.2	959.1
Nominees & Trustees	43.3	61.8	22.1	114.5	163.2	202.3	236.0	264.2	244.3	207.9	226.6
Discount Houses	-	79.9	76.4	28.6	68.5	108.6	124.5	77.7	19.8	43.2	84.6
Others	28.3	45.6	40.6	65.6	101.4	146.9	260.4	277.8	188.3	145.5	140.8

Source: The Monetary Authority of Singapore

12.9 REVENUE COLLECTED BY CUSTOMS AND EXCISE DEPARTMENT

Thousand Dollars

Year	Total	Import and Excise Duties					Entertain- ment Duties	Film Hire Duty	Licence Fees	Miscellaneous Receipts
		Liquors	Tobacco	Petroleum	Sugar	Others				
1972	334,994	70,571	74,174	92,405	16,289	61,453	13,575	2,445	1,558	2,524
1973	422,586	91,786	93,467	107,763	17,392	89,943	14,447	2,535	2,116	3,137
1974	420,964	94,966	99,743	117,705	18,090	63,705	17,275	2,972	2,760	3,748
1975	433,021	103,014	108,344	121,387	16,418	53,391	18,769	3,189	3,596	4,913
1976	474,487	107,604	119,974	125,778	18,239	71,325	20,695	3,201	3,074	4,597
1977	535,410	114,025	123,692	133,892	19,354	105,673	25,244	3,778	4,353	5,399
1978	586,500	129,511	126,721	143,428	19,596	125,625	29,580	3,793	3,283	4,963
1979	634,447	139,831	125,904	154,382	20,824	145,362	34,390	4,205	4,086	5,463
1980	716,518	158,128	142,682	168,452	21,629	180,713	31,671	4,092	3,993	5,158
1981	748,382	167,671	168,320	184,159	20,020	158,893	36,385	3,967	4,384	4,583
1982	813,717	173,450	176,865	206,135	20,110	183,674	40,690	4,184	4,553	4,056

Source: Customs and Excise Department

12.10 REVENUE COLLECTED BY INLAND REVENUE DEPARTMENT

Thousand Dollars

Year	Total	Income Tax ¹	Property Tax ¹	Estate Duties	Stamp Duties ²	Payroll Tax	Bets, Sweepstakes and Private Lotteries	Radio and Television Licensing Fees ³	Skills Development Levy ⁴	Others
1972	669,461	403,971	155,619	19,132	40,780	27,068	13,953	8,670	-	268
1973	922,877	562,622	200,216	24,168	74,390	35,229	16,391	9,574	-	287
1974	1,250,481	846,482	253,830	31,911	44,849	44,441	18,313	10,307	-	348
1975	1,559,606	1,123,745	281,439	21,634	46,933	51,805	22,433	11,327	-	290
1976	1,663,758	1,153,559	331,861	21,851	56,848	59,302	27,927	12,220	-	190
1977	1,819,791	1,281,524	349,662	23,739	60,482	65,752	25,499	12,921	-	212
1978	1,899,456	1,279,919	388,373	28,013	80,364	74,943	32,384	15,420	-	40
1979	2,176,207	1,390,942	491,394	36,515	106,252	89,459	36,730	16,880	7,731	304
1980	2,883,285	1,915,962	531,095	23,548	165,703	107,516	42,524	16,154	80,338	445
1981	3,941,542	2,629,395	648,275	47,585	279,286	133,899	68,250	21,433	112,925	494
1982	4,737,411	3,251,201	807,469	43,203	251,794	161,330	86,356	20,540	113,180	481

1 Figures include compounding fees and surcharges on Property taxes.

Source: Inland Revenue Department
Singapore Broadcasting Corporation

2 Figures from 1974 include sales of revenue stamps which were previously included under others.

3 With effect from 1.2.80 revenue is collected by the Singapore Broadcasting Corporation.

4 Amount credited to Skills Development Fund.

12.11 TAXPAYERS, ASSESSED INCOME AND TAX ASSESSED, 1980 AND 1981

	Taxpayers			Assessed Income			Tax Assessed			
	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident	
	Number			Thousand Dollars						
	1980									
	Total	371,397	366,794	4,603	8,648,587	8,258,064	390,523	1,915,554	1,770,928	144,626
	Individuals	363,546	359,220	4,326	4,877,040	4,836,325	40,715	427,118	416,727	10,391
	Employees	298,990	294,932	4,058	3,901,427	3,865,812	35,615	323,386	315,252	8,134
	Sole Proprietors	42,322	42,246	76	572,331	570,880	1,451	54,718	54,171	547
	Partners	22,234	22,042	192	403,282	399,633	3,649	49,014	47,304	1,710
	Companies	6,992	6,716	276	3,724,340	3,374,533	349,807	1,466,183	1,331,948	134,235
	Trusts ¹	802	801	1	7,630	7,629	1	3,045	3,045	-
	Clubs & Associations	57	57	-	39,577	39,577	-	19,208	19,208	-
		1981								
Total		454,924	448,968	5,956	11,955,123	11,443,385	511,738	2,760,937	2,582,393	178,544
Individuals		444,492	438,922	5,570	6,622,920	6,564,276	58,644	667,769	651,893	15,876
Employees		390,044	385,640	4,404	5,459,983	5,421,866	38,117	487,972	478,184	9,788
Sole Proprietors		34,941	34,013	928	633,858	621,907	11,951	88,197	85,539	2,658
Partners		19,507	19,269	238	529,079	520,503	8,576	91,600	88,170	3,430
Companies		9,545	9,159	386	5,277,964	4,824,870	453,094	2,068,351	1,905,683	162,668
Trusts ¹		818	818	-	10,677	10,677	-	4,258	4,258	-
Clubs & Associations		69	69	-	43,562	43,562	-	20,559	20,559	-

Note: Figures for 1980 refer to assessments made during the period 1.1.80 to 31.12.80 (12 months).

Figures for 1981 refer to assessments made during the period 1.1.81 to 31.12.81 (12 months).

Source: Inland Revenue Department

¹ Include Hindu Joint Families.

12.12 INCOME TAX ASSESSMENT OF INDIVIDUALS, 1980 AND 1981

Assessed Income Group (\$)	Taxpayers			Assessed Income			Tax Assessed		
	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident
	Number			Thousand Dollars					
	1980								
Total	363,546	359,220	4,326	4,877,697	4,836,325	41,372	427,118	416,727	10,391
6,000 & Below	79,806	77,303	2,503	338,505	333,747	4,758	3,807	2,537	1,270
6,001 - 8,000	69,596	69,320	276	488,273	486,333	1,940	7,142	6,692	450
8,001 - 10,000	59,290	59,026	264	530,581	528,192	2,389	10,924	10,376	548
10,001 - 15,000	72,869	72,434	435	880,051	874,689	5,362	28,857	27,680	1,177
15,001 - 20,000	30,818	30,548	270	531,167	526,448	4,719	27,458	26,480	978
20,001 - 30,000	24,416	24,087	329	588,171	580,104	8,067	45,214	43,646	1,568
30,001 - 50,000	16,450	16,270	180	623,620	617,191	6,429	78,181	76,836	1,345
50,001 - 100,000	7,985	7,942	43	534,942	531,748	3,194	112,141	110,892	1,249
100,001 - 200,000	1,970	1,951	19	257,134	254,548	2,586	74,317	73,283	1,034
Over 200,000	346	339	7	105,253	103,325	1,928	39,077	38,305	772
	1981								
Total	444,492	438,922	5,570	6,622,920	6,564,276	58,644	667,769	651,893	15,876
6,000 & Below	92,586	89,244	3,342	398,685	392,068	6,617	4,637	2,872	1,765
6,001 - 8,000	76,057	75,711	346	532,281	529,870	2,411	8,117	7,520	597
8,001 - 10,000	66,495	66,244	251	596,886	594,592	2,294	12,347	11,808	539
10,001 - 15,000	92,405	91,887	518	1,118,399	1,111,958	6,441	36,087	34,619	1,468
15,001 - 20,000	41,026	40,684	342	707,850	701,914	5,936	36,245	34,864	1,381
20,001 - 30,000	36,760	36,391	369	887,073	878,008	9,065	67,244	65,193	2,051
30,001 - 50,000	22,783	22,531	252	867,140	857,955	9,185	109,167	107,038	2,129
50,001 - 100,000	12,359	12,260	99	832,620	825,922	6,698	174,259	171,976	2,283
100,001 - 200,000	3,296	3,260	36	437,545	432,465	5,080	126,502	124,623	1,879
Over 200,000	725	710	15	244,441	239,524	4,917	93,164	91,380	1,784

Note: See note to Table 12.11.

Source: Inland Revenue Department

12.13 INCOME TAX ASSESSMENT OF COMPANIES, 1980 AND 1981

Assessed Income Group (\$)	Taxpayers			Assessed Income			Tax Assessed		
	Total	Resident	Non-resident	Total	Resident	Non-resident	Total	Resident	Non-resident
	Number			Thousand Dollars					
Total 10,000 & Below 10,001 - 20,000 20,001 - 30,000 30,001 - 50,000 50,001 - 100,000 100,001 - 300,000 300,001 - 500,000 500,001 - 1,000,000 Over 1,000,000	1980								
	6,992	6,716	276	3,724,340	3,374,533	349,807	1,466,182	1,331,948	134,234
	1,646	1,600	46	7,563	7,346	217	3,021	2,934	87
	921	895	26	13,815	13,443	372	5,511	5,368	143
	612	587	25	15,493	14,890	603	6,202	5,961	241
	820	791	29	33,186	32,082	1,104	13,270	12,829	441
	951	908	43	70,193	67,141	3,052	28,024	26,820	1,204
	1,042	1,005	37	184,271	177,408	6,863	73,640	70,895	2,745
	320	303	17	124,521	117,670	6,851	49,627	46,886	2,741
	303	284	19	215,125	200,500	14,625	85,913	80,053	5,860
	377	343	34	3,060,173	2,744,053	316,120	1,200,974	1,080,202	120,772
	1981								
	9,545	9,159	386	5,277,964	4,824,870	453,094	2,068,351	1,905,683	162,668
	2,305	2,253	52	10,282	10,073	209	4,102	4,018	84
1,162	1,130	32	17,276	16,824	452	6,887	6,711	176	
720	696	24	18,141	17,522	619	7,250	7,003	247	
1,032	1,006	26	41,292	40,286	1,006	16,455	16,073	382	
1,284	1,234	50	94,290	90,779	3,511	37,609	36,223	1,386	
1,492	1,426	66	265,067	253,737	11,330	105,600	101,270	4,330	
428	392	36	170,362	156,025	14,337	68,049	62,313	5,736	
445	410	35	314,848	290,133	24,715	124,952	115,708	9,244	
677	612	65	4,346,406	3,949,491	396,915	1,697,447	1,556,364	141,083	

Note: See note to Table 12.11.

Source: Inland Revenue Department

13. PRICES

Consumer Price Index

The Consumer Price Index (June 1977-May 1978 = 100) was compiled on the basis of a list of items and weighting pattern derived from the Household Expenditure Survey conducted from June 1977 to May 1978. The records of expenditure of 4,033 households (constituting 87 per cent of all households covered in the survey) with monthly expenditure between \$100 and \$1,499 were used as the weighting pattern. The index, a weighted arithmetic average of price relatives, is computed monthly and the yearly index is a simple average of twelve monthly indexes.

Retail Prices

Retail prices of goods are collected regularly from markets, supermarkets, provision shops and other retail outlets spread over the

entire island. Prices are collected thrice weekly for perishable food items such as fish, vegetables, meat and poultry, and weekly for sundries and provisions. Clothing materials and some miscellaneous items including items of services are priced monthly while items with infrequent price fluctuations are either checked half-yearly or yearly.

Wholesale Price Indexes

The series of wholesale price indices consist of the General Wholesale Price Index and Indices on Singapore manufactured products, imported products, exported products, building materials and local farm products. The list of items and weighting patterns for the Singapore manufactured products, imported products and building materials series were derived from data collected in

the 1973 Census of Industrial Production and/or the 1973 external trade statistics while those for the exported products series were derived from exports statistics of 1978. The series on local farm products was based on data supplied by the Primary Production Department. The weights for the General Wholesale Price Index were made proportionate to the combined value of retained imports and locally manufactured goods sold in the domestic market and those for the building materials entering the

building and construction industries.

Wholesale Prices

Wholesale prices of rubber are supplied weekly by the Rubber Association of Singapore. In the case of palm oil, prices were, prior to March 1972, supplied monthly by Messrs Kumpulan Guthrie Sdn Bhd and since 1978, by the Malaysian Oil Palm Growers Council. For other types of produce, weekly prices are obtained from the Singapore Chinese Produce Exchange.

13.1 CONSUMER PRICE INDEX, 1974-1982

	All Items	Food	Clothing	Housing	Transport and Communication	Miscellaneous
Period \ Weights ¹	10,000	4,955	458	1,663	1,144	1,780
June 1977-May 1978 = 100						
1974	93.6	96.4	97.4	86.7	91.9	90.0
1975	96.0	97.4	96.0	91.7	95.7	95.2
1976	94.2	91.5	96.7	97.1	99.6	96.3
1977	97.2	96.0	98.2	98.6	100.1	97.6
1978	101.9	101.7	101.1	99.8	104.6	102.9
1979	106.0	104.5	104.6	104.7	114.0	106.3
1980	115.0	112.6	106.6	116.4	128.8	113.8
1981	124.4	123.4	108.6	121.5	141.0	123.6
1982	129.3	129.5	109.0	124.2	144.4	129.0
Annual Percentage Change						
1974	22.3	25.6	10.1	14.1	37.6	14.0
1975	2.6	1.1	-1.3	5.8	4.0	5.7
1976	-1.9	-6.1	0.7	5.9	4.1	1.2
1977	3.2	4.9	1.5	1.5	0.6	1.4
1978	4.8	5.9	2.9	1.2	4.4	5.4
1979	4.0	2.8	3.5	4.8	9.0	3.4
1980	8.5	7.7	1.9	11.2	12.9	7.0
1981	8.2	9.6	1.8	4.3	9.5	8.6
1982	3.9	5.0	0.4	2.2	2.4	4.4

¹ The weights refer to the consumption pattern of 1977/78 and are used in the computation of the 1978, 1979, 1980, 1981 and 1982 indices. Indices for the period 1974-77 relate to the consumption pattern of 1972/73.

13.2 AVERAGE RETAIL PRICES OF SELECTED FOODSTUFFS

Dollars

Year	Rice and Other Cereals				Meat and Poultry				Milk, Eggs and Oils			Fish	
	Thai Rice 100%	Wheat Flour	Bread	Bee Hoon (Rice Vermicelli) ¹	Fresh Mutton	Lean and Fat Pork	Fresh Beef	Hen	Condensed Milk	Hen Eggs	Deodorised Oil	Tenggiri 'Bekah'	Kunning
	Per kg		400g	500g Packet	Per kg				397g Tin	Per 10	2kg Bottle	Per kg	
1972	.58	.43	.30	.36	3.28	2.98	4.55	2.83	.60	1.05	2.64	2.84	1.17
1973	1.34	.60	.35	.59	5.40	4.18	6.40	3.17	.68	1.26	3.70	3.21	1.47
1974	1.85	.88	.52	.69	6.32	5.14	7.46	3.56	.72	1.41	5.75	4.10	2.28
1975	1.49	.78	.47	.69	5.84	5.54	7.36	3.70	.85	1.30	5.29	4.46	2.73
1976	.98	.74	.45	.66	5.46	4.60	7.21	3.74	.85	1.40	5.05	4.61	3.09
1977	.89	.66	.43	.66	6.46	4.68	6.99	3.77	.85	1.41	5.36	4.76	3.27
1978	1.07	.63	.40	.70	7.08	4.88	7.29	3.80	.85	1.26	5.42	5.42	3.26
1979	.94	.71	.52	.70	7.60	4.71	9.13	3.90	.85	1.51	5.46	5.39	3.24
1980	1.05	.83	.60	.70	8.95	5.89	11.33	3.95	.93	1.47	5.46	6.17	3.31
1981	1.28	.83	.62	.70	10.30	6.50	11.87	4.34	1.14	1.73	5.24	7.12	3.70
1982	1.10	.83	.63	.63	11.00	7.00	12.21	4.80	1.15	1.67	5.03	8.64	4.52

¹ Price for 1982 refers to 400g packet.

13.2 AVERAGE RETAIL PRICES OF SELECTED FOODSTUFFS (continued)

Dollars

Year	Fish		Vegetables				Fruits				Miscellaneous		
	Parang (Cut)	Dried Prawns	Cabbage	Spinach	Red Chillies	Cucumber	Pineapple	Apple	Orange	Bananas 'Emas'	Sugar	Coffee Powder	Tea
	Per kg						Each			Per kg			100 Tea Bags ²
1972	3.51	4.81	.58	.40	1.65	.45	.29	.21	.20	.50	.66	3.65	1.51
1973	3.85	5.51	.74	.48	2.12	.50	.30	.22	.21	.50	.73	4.20	1.52
1974	4.76	6.58	.73	.53	2.25	.53	.31	.21	.25	.56	.81	4.76	1.59
1975	5.29	6.63	.89	.60	2.25	.56	.35	.18	.24	.68	1.24	4.89	1.66
1976	5.29	7.08	.91	.64	2.68	.63	.37	.19	.25	.71	1.24	6.56	1.68
1977	5.52	8.23	1.04	.73	2.71	.66	.40	.22	.29	.74	1.24	13.58	1.98
1978	6.35	9.51	1.17	.86	2.73	.66	.41	.28	.31	.76	1.22	11.61	4.08
1979	6.63	10.40	1.21	.94	2.84	.74	.43	.29	.36	.81	1.20	11.86	4.26
1980	7.57	11.05	1.29	1.07	3.57	.78	.50	.30	.32	.93	1.24	12.09	4.50
1981	8.61	12.97	1.52	1.14	3.79	.86	.58	.32	.35	1.08	1.35	10.90	4.75
1982	10.54	14.48	1.48	1.40	4.96	.90	.68	.35	.42	1.19	1.26	10.62	4.83

2 Figures prior to 1977 refer to average retail price of tea dust (in 227g packets).

13.3 GENERAL WHOLESALE PRICE INDEX

Section	All Items	Food	Beverages & Tobacco	Crude Materials	Mineral Fuel	Animal & Vegetable Oils	Chemicals & Chemical Products	Manufactured Goods	Machinery & Equipment	Miscellaneous Manufactures
Period	10,000	1,040	195	1,083	1,572	74	567	2,066	2,544	859
1974 = 100										
1975	98.5	98.6	112.3	87.2	105.0	76.6	96.2	93.5	101.7	103.7
1976	105.1	102.0	115.2	113.3	112.9	70.6	102.1	97.0	105.4	105.8
1977	109.9	112.1	116.6	118.8	121.1	89.0	103.3	99.6	107.6	111.0
1978	111.6	110.1	121.8	127.7	114.6	89.9	101.6	104.8	110.1	114.5
1979	127.7	115.5	126.3	161.5	157.4	101.6	123.1	114.2	113.6	125.0
1980	152.7	124.7	138.7	175.1	255.6	89.3	148.7	124.6	121.0	142.6
1981	158.6	129.1	148.6	144.9	300.3	84.9	150.0	127.7	125.5	138.7
1982	151.9	125.7	156.8	127.8	279.6	72.8	144.9	123.6	126.9	133.3
Annual Percentage Change										
1975	-1.5	-1.4	12.3	-12.8	5.1	-23.4	-3.8	-6.5	1.7	3.7
1976	6.7	3.4	2.6	29.9	7.5	-7.8	6.1	3.7	3.6	2.0
1977	4.5	9.9	1.2	4.8	7.2	26.0	1.2	2.8	2.1	4.9
1978	1.6	-1.7	4.4	7.5	-5.4	1.1	-1.7	5.2	2.3	3.2
1979	14.4	4.9	3.7	26.5	37.3	13.0	21.2	9.0	3.1	9.2
1980	19.6	8.0	9.9	8.5	62.4	-12.1	20.8	9.1	6.5	14.0
1981	3.9	3.5	7.1	-17.3	17.5	-4.9	0.9	2.4	3.7	-2.7
1982	-4.2	-2.6	5.5	-11.8	-6.9	-14.3	-3.4	-3.2	1.1	-3.9

13.4 WHOLESALE PRICE INDEX OF SINGAPORE MANUFACTURED PRODUCTS

Section	All Items	Food	Beverages & Tobacco	Crude Materials	Mineral Fuels	Animal & Vegetable Oils	Chemicals & Chemical Products	Manufactured Goods	Machinery & Equipment	Miscellaneous Manufactured
Weights Period	10,000	840	263	1,286	2,191	66	613	1,702	2,013	1,026
	1974 = 100									
1975	97.0	103.1	113.8	87.3	104.5	73.0	94.7	93.8	91.7	102.4
1976	103.5	109.2	116.2	117.7	112.3	66.3	103.9	98.7	85.2	105.0
1977	108.7	120.8	117.7	122.6	119.9	78.9	103.8	103.8	86.2	112.4
1978	106.9	111.0	122.3	134.1	112.9	81.3	100.0	107.4	77.7	114.9
1979	126.9	117.2	126.2	172.0	152.0	92.0	127.7	122.6	79.0	127.7
1980	156.6	126.6	138.5	183.9	240.1	83.9	163.9	130.7	88.4	149.8
1981	161.1	128.8	149.4	146.9	273.6	79.5	171.2	132.7	92.9	148.3
1982	152.7	122.9	159.3	125.9	258.7	71.9	166.6	127.1	89.9	144.9
	Annual Percentage Change									
1975	-3.0	3.1	13.8	-12.7	4.5	-27.0	-5.3	-6.2	-8.3	2.4
1976	6.7	5.9	2.1	34.8	7.4	-9.2	9.8	5.2	-7.1	2.6
1977	5.0	10.6	1.3	4.2	6.8	19.0	-0.1	5.2	1.2	7.0
1978	-1.7	-8.1	3.9	9.4	-5.8	3.0	-3.7	3.5	-9.9	2.2
1979	18.7	5.6	3.2	28.2	34.6	13.2	27.8	14.1	1.8	11.1
1980	23.4	8.0	9.7	6.9	58.0	-8.8	28.4	6.6	11.9	17.3
1981	2.9	1.8	7.9	-20.1	13.9	-5.2	4.4	1.5	5.0	-1.0
1982	-5.2	-4.6	6.7	-14.3	-5.4	-9.7	-2.7	-4.2	-3.2	-2.2

13.5 WHOLESALE PRICE INDEX OF IMPORTED PRODUCTS

Section	All Items	Food	Beverages & Tobacco	Crude Materials	Mineral Fuel	Animal & Vegetable Oils	Chemicals & Chemical Products	Manufactured Goods	Machinery & Equipment	Miscellaneous Manufactures	
Period	Weights	10,000	997	85	1,622	1,293	144	550	1,959	2,657	693
	1974 = 100										
	1975	98.3	96.6	108.5	82.3	106.2	83.3	105.3	95.1	105.4	102.0
	1976	107.2	102.8	113.7	110.0	115.3	72.1	104.7	98.5	111.9	106.9
	1977	112.6	118.7	114.1	115.5	123.1	96.7	103.9	101.3	114.7	111.8
	1978	116.9	118.9	120.0	126.6	117.4	95.1	104.2	107.7	121.1	115.1
	1979	132.0	124.5	125.9	155.2	163.6	107.1	117.6	116.2	124.9	119.1
	1980	154.2	131.6	137.9	169.3	269.0	93.4	135.4	126.4	132.6	128.5
	1981	156.6	133.6	148.1	134.4	316.7	89.9	133.7	128.7	137.4	129.4
	1982	149.8	133.2	151.4	113.6	294.8	73.1	129.1	124.7	140.7	125.3
	Annual Percentage Change										
	1975	-1.7	-3.4	8.6	-17.6	6.2	-16.7	5.3	-4.9	5.3	2.0
	1976	9.0	6.5	4.8	33.7	8.5	-13.5	-0.6	3.6	6.2	4.8
	1977	5.1	15.5	0.3	5.0	6.8	34.3	-0.7	2.8	2.4	4.6
	1978	3.8	0.2	5.2	9.6	-4.6	-1.7	0.3	6.3	5.6	3.0
	1979	12.9	4.7	4.8	22.6	39.4	12.7	12.9	7.9	3.2	3.4
1980	16.8	5.7	9.6	9.1	64.4	-12.8	15.2	8.8	6.2	7.8	
1981	1.6	1.6	7.4	-20.6	17.7	-3.8	-1.3	1.8	3.6	0.7	
1982	-4.4	-0.3	2.2	-15.5	-6.9	-18.6	-3.4	-3.1	2.5	-3.1	

13.6 WHOLESALE PRICE INDEX OF EXPORTED PRODUCTS
(1978 = 100)

Section	All Items	Food	Beverages & Tobacco	Crude Materials	Mineral Fuels	Animal & Vegetable Oils	Chemicals & Chemical Products	Manufactured Goods	Machinery & Equipment	Miscellaneous Manufactures
Weights Period	10,000	662	41	1,410	3,031	211	418	939	2,559	729
1979	116.9	104.0	102.5	122.8	137.0	105.0	109.3	110.8	102.0	102.3
1980	144.1	107.5	116.0	127.1	212.7	98.8	137.6	121.0	105.6	108.8
1981	149.5	103.2	123.0	101.3	233.6	88.4	138.9	121.7	115.9	114.2
1982	144.9	101.5	125.4	86.7	225.9	77.0	141.1	117.2	118.2	112.6
1982 January	146.0	102.9	124.3	87.9	226.8	77.9	141.9	120.8	118.7	112.9
February	146.7	103.6	124.6	87.6	228.9	78.2	142.2	121.1	118.8	113.2
March	146.8	105.0	124.6	87.4	228.5	78.3	143.0	119.4	119.8	113.1
April	145.0	104.4	125.7	87.1	223.2	78.4	143.0	119.2	119.5	113.0
May	143.6	103.1	125.7	87.4	220.1	78.6	141.9	117.3	118.8	112.6
June	143.9	102.7	125.7	86.1	222.0	77.9	141.7	116.1	119.1	112.4
July	143.9	100.7	125.8	86.0	224.4	76.7	141.0	116.9	116.9	112.5
August	144.6	99.7	125.8	86.0	226.4	76.5	140.7	116.9	117.5	112.3
September	144.3	99.5	125.6	86.5	225.7	75.8	139.7	116.8	117.2	112.3
October	144.8	99.1	125.6	86.8	228.3	75.0	139.3	114.3	117.1	112.3
November	145.1	98.5	125.5	86.4	229.8	75.1	139.5	113.7	117.0	112.3
December	144.2	99.2	125.4	85.3	226.2	75.1	139.5	113.5	118.2	112.1

13.7 WHOLESALE PRICE INDEX OF BUILDING MATERIALS

Section	All Items	Timber & Wood Products	Concrete Ingredients (Granite)	Paints	Cement	Bricks & Concrete Blocks	Tiles	Iron & Steel Products	Cables	Sanitary & Plumbing Fixtures	Others
Weights	10,000	586	603	517	1,978	330	986	3,466	625	173	736
Period	1974 = 100										
1975	91.1	94.8	112.5	99.8	102.6	103.2	90.0	80.1	64.2	100.6	102.6
1976	93.8	112.2	138.9	99.7	94.8	107.5	92.5	82.2	64.8	104.0	107.5
1977	94.7	118.6	123.6	99.7	92.2	108.9	107.3	82.3	64.1	101.9	114.6
1978	99.0	119.6	115.5	99.7	95.7	107.5	120.9	89.2	63.6	103.8	118.6
1979	111.1	143.8	125.6	106.9	108.2	127.4	130.1	100.8	81.7	114.4	123.3
1980	127.7	159.0	212.7	121.0	115.0	187.2	146.8	110.0	88.4	129.6	135.5
1981	136.0	161.1	279.4	122.6	126.2	217.2	160.1	108.9	72.1	145.5	144.9
1982	130.4	160.4	255.2	122.6	124.1	219.2	153.0	101.1	63.2	150.3	147.0
Annual Percentage Change											
1975	-8.9	-5.2	12.5	-0.3	2.6	3.3	-9.8	-19.9	-35.8	0.5	2.6
1976	2.9	18.3	23.5	-0.1	-7.6	4.2	2.8	2.6	0.9	3.3	4.8
1977	1.0	5.7	-11.0	-	-2.7	1.3	16.0	0.2	-1.1	-2.0	6.6
1978	4.5	0.9	-6.6	-	3.8	-1.2	12.6	8.4	-0.7	1.9	3.5
1979	12.3	20.2	8.8	7.2	13.1	18.4	7.7	13.0	28.5	10.2	4.0
1980	14.9	10.6	69.4	13.2	6.2	47.0	12.8	9.1	8.1	13.4	9.8
1981	6.5	1.3	31.3	1.4	9.8	16.1	9.1	-1.0	-18.4	12.2	7.0
1982	-4.1	-0.5	-8.7	-	-1.7	0.9	-4.4	-7.2	-12.4	3.3	1.5

13.8 WHOLESALE PRICE INDEX OF LOCAL FARM PRODUCTS

Section	All Items	Pigs	Fowls	Ducks	Hen Eggs	Leafy Vegetables	Fruit Vegetables	Root Vegetables	Fresh Fish
Period \ Weights	10,000	4,879	2,384	272	1,084	435	99	22	825
	1974 = 100								
1975	106.8	115.0	94.0	98.4	91.3	112.9	108.1	95.7	116.0
1976	93.2	80.8	98.0	95.4	99.1	102.5	119.7	96.6	135.9
1977	104.0	97.2	96.5	106.2	98.3	124.5	133.9	142.3	156.6
1978	100.9	92.4	96.0	97.9	82.3	142.0	127.9	141.0	164.1
1979	106.6	92.2	102.2	99.7	103.0	155.2	153.8	153.7	178.4
1980	118.0	109.3	101.5	126.8	97.7	207.4	173.0	179.4	185.7
1981	134.1	125.6	114.8	157.0	118.8	212.8	183.5	214.0	202.6
1982	139.8	132.3	112.4	142.8	103.5	293.0	241.6	236.9	215.2
	Annual Percentage Change								
1975	6.8	15.0	-6.1	-1.7	-8.7	12.8	8.1	-4.3	16.0
1976	-12.8	-29.8	4.2	-3.0	8.5	-9.2	10.7	0.9	17.1
1977	11.6	20.4	-1.6	11.3	-0.8	21.4	11.9	47.4	15.2
1978	-3.0	-4.9	-0.5	-7.8	-16.3	14.1	-4.5	-0.9	4.8
1979	5.7	-0.2	6.6	1.9	25.1	9.2	20.3	9.0	8.7
1980	10.8	18.5	-0.7	27.2	-5.2	33.6	12.5	16.7	4.0
1981	13.6	14.9	13.0	23.8	21.6	2.6	6.5	19.3	9.2
1982	4.3	5.3	-2.1	-9.1	-12.8	37.7	31.6	10.7	6.2

13.9 AVERAGE WHOLESALE PRODUCE PRICES

Year	Rubber							Pepper		Coffee AP 1	Crude Coconut Oil (In Drums)	Palm Oil ¹	Tin
	Ribbed Smoked Sheet				SSR 20	SSR 50	Int 3 Thick Blanket Crepe (Amber)	Black Lampong	White Muntok Genuine				
	Int 1	Int 2	Int 3	Int 4									
Cents Per Kilogram (fob)							Dollars Per 100 Kilogram (fob)				M\$ Per Tonne (fob)	M\$ Per Kilogram (fob)	
1972	93.65	89.87	88.44	86.95	..	..	84.83	238.45	322.43	165.15	63.96	492	10.35
1973	166.82	159.65	158.18	155.28	..	..	147.86	273.95	408.99	232.53	119.80	510	11.30
1974	183.71	171.18	165.67	160.56	151.90	145.63	152.28	393.19	484.36	264.00	239.91	1,149	18.65
1975	135.21	131.01	128.80	126.18	131.20	129.38	119.64	391.43	428.09	264.26	116.06	1,055	15.94
1976	192.99	186.74	183.52	180.03	185.76	183.60	174.09	419.51	464.70	582.08	113.86	882	18.90
1977	200.84	196.32	191.99	188.36	196.21	193.86	177.52	599.18	661.00	1,036.84	155.88	1,225	26.21
1978	226.07	220.14	217.13	214.14	213.70	211.63	200.90	448.38	624.61	626.99	156.07	1,178	28.84
1979	278.20	271.60	268.58	262.83	265.40	262.40	238.74	396.34	549.92	711.58	208.42	1,310	32.36
1980	308.41	295.32	292.32	286.27	274.37	271.26	252.74	367.53	476.28	650.16	154.17	1,146	35.66
1981	235.03	213.15	207.72	201.22	207.62	204.73	185.40	277.92	397.25	441.73	130.52	1,100	31.92
1982	182.10	172.60	167.14	155.97	162.60	159.88	145.88	278.36	346.37	419.79	106.68	916	30.18

Notes: Int = International.
SSR = Singapore Specified Rubber.

Source: Rubber Association of Singapore
Chinese Produce Exchange
Malaysian Oil Palm Growers Council

1 Figures prior to 1974 refer to quarterly average selling price ex-installation and from 1974 onwards they refer to monthly average shipment price.

14. EDUCATION

Primary Education

Primary education for a child is free and begins at the age of six.

The New Education System for primary education was implemented in January 1980. Under this system, the first three years of primary education emphasise on the learning of languages instead of the acquisition of factual knowledge. This is to give pupils a strong language foundation for the learning of mathematics, science and other subjects. At the end of primary three, pupils will be streamed into the normal bilingual stream, the extended bilingual stream or the monolingual stream. Pupils in the normal and extended bilingual streams will sit for the Primary School Leaving Examinations at the end of the sixth year and eighth year respectively. Pupils in the monolingual stream

will study another five years before they sit for an examination leading to a certificate. After that they can join the Vocational and Industrial Training Board for vocational training.

Secondary Education

The New Education System for secondary education was implemented in January 1981. Under this system, pupils are streamed into secondary special, secondary express and secondary normal streams according to their performance in the Primary School Leaving Examinations. Pupils in the secondary special stream do both English and Chinese at the first language level while the pupils in both the secondary express and normal streams do two languages at the first and second language levels respectively. Pupils in the secondary special and express

streams will sit for the General Certificate of Education 'Ordinary' Level Examinations at the end of the fourth year before proceeding to the pre-university courses. Pupils in the secondary normal stream follow a modified curriculum. At the end of the fourth year, they will sit for the Certificate of Secondary Education Examinations. Those who have done well in these examinations may proceed to sit for the General Certificate of Education 'Ordinary' Level Examinations after an extra year of study. The others may go for vocational training or take up employment.

The secondary one and two pupils in the special, express and normal streams study the same number of subjects. The curriculum time allocated to a particular subject in each of the streams are the same. However, the syllabus to be covered for each subject vary with each of the streams. After completing secondary two, all pupils have the choice of taking any combination of compul-

sory subjects and elective subjects depending on their interests and aptitudes.

At the pre-university levels, pupils will be streamed into a two-year course in junior colleges or a three-year course in pre-university school centres. Pupils who are good in English and performed well in their General Certificate of Education 'Ordinary' Level Examinations will be streamed into the two-year course. They are also required to do well in their second language. Those who are weak in English will do the three-year course. They have to spend a significant proportion of their curriculum time on learning the language so as to achieve a better grounding in it.

Vocational and Industrial Training Board

The Vocational and Industrial Training Board (VITB), established in April 1979, is the national

authority which offers training courses in applied arts, commercial, industrial and service skills. The VITB runs 15 training institutes and offers full-time and part-time training programmes in about 70 courses at the following levels: Diploma in Applied Arts, the Industrial Technician Certificate (ITC), the Certificate in Business Studies, the National Trade Certificate (NTC), Grades 3, 2 and 1 and the Certificate of Competency. In addition, continuing education part-time programmes in vocational skill development, academic and language courses, aimed to provide career development opportunities for workers, either on their own or through employer sponsorship are also conducted by the VITB.

A foundation education programme for workers, known as the Basic Education for Skills Training (BEST) programme was introduced in January 1983. Workers on completing the BEST programme, which comprises 4 graded modules each in English and

Mathematics, would qualify for enrolment in VITB part-time skill courses.

The VITB assists employers and employer organisations to formulate and conduct apprenticeship training programmes which are funded by the Skills Development Fund, wherever possible. To provide workers with greater opportunities to undergo certified training, the VITB gives approved training status to companies with training centres, so that their workers undergoing training in these centres may be awarded VITB certificates upon successful completion of training.

Tertiary Education

The tertiary institutions in Singapore are the National University of Singapore, the Nanyang Technological Institute, the Singapore Polytechnic, the Ngee Ann Polytechnic and the Institute of Education.

The National University of Singapore was established on 8 August 1980 following the merger of the University of Singapore and Nanyang University. The University offers degree courses in Arts, Social Sciences, Law, Science, Medicine, Dentistry, Pharmacy, Engineering, Architecture, Building, Estate Management, Accountancy and Business Administration. Higher degree courses are offered in all faculties and in the three post graduate schools viz the School of Postgraduate Medical Studies, the School of Postgraduate Dental Studies and the School of Management. Postgraduate diploma courses in Business Administration and Systems Analysis are also conducted. Higher degrees in Education which are awarded by the University, are conducted at the Institute of Education. The course leading to the University's Masters degree in Applied Linguistics is conducted at the Regional Language Centre.

The Nanyang Technological In-

stitute was established in August 1981. The Institute offers courses in Civil and Structural Engineering, Electrical and Electronic Engineering and Mechanical and Production Engineering at the bachelor's degree level. The courses are carefully designed to give an emphasis on engineering practice aimed at producing practice-oriented engineers to meet the demands of a restructured economy in Singapore. By special arrangements with the Senate of the National University of Singapore, all first year students attend a common course in the University's Faculty of Engineering. The Institute admitted its first batch of 582 second year students in July 1982. The student enrolment is expected to increase to over 1,300 with the admission of the second batch of students in July 1983. Work on the construction of a new building costing about S\$200 million is expected to be completed by 1985.

The Singapore Polytechnic offers technician diploma courses in

civil, electrical, electronics and communication, mechanical, production, marine and structural engineering, architectural draughtsmanship, building, land surveying and chemical process technology. There are also technician certificate courses in architectural draughtsmanship, aeronautical maintenance engineering and maritime radio-communications. In addition, there are diploma courses in industrial management and nautical studies and certificate courses in plastics mould design, process plant engineering design, industrial management and shipping management.

The Ngee Ann Polytechnic conducts courses at the engineering technician level leading to the Technician Diploma in Mechanical Engineering, Electrical and Electronic Engineering, Shipbuilding and Repair Technology and Building Maintenance and Management. The Polytechnic also offers a Business Studies course at the middle-management

level leading to the Diploma in Business Studies and a Diploma course in Computer Studies. In addition, part-time courses are conducted in various fields like industrial management, marketing management, ship draughtsmanship, naval architecture, ship construction, welding technology, microprocessor engineering, numerical controlled and computer added machining, industrial automation and control, English for business and administration and basic programming.

The Institute of Education provides training for pre-primary, primary and secondary school and junior college teachers. The pre-service training includes a full-time one-year Diploma in Education for teachers who are University graduates and a two-year Certificate in Education Programmes for teachers who are GCE 'A' Level holders. It also provides further training for practising teachers through short-term in-service courses and advanced

courses leading to formal qualifications. In addition, the Institute also conducts a post graduate studies programme to prepare teachers for the degrees of Master of Education and Doctor of Philosophy in Education awarded by the National University of Singapore.

Expenditure on Education

Education has been a major item of public expenditure and its provision has been increasing steadily. The total budgeted recurrent expenditure in the fiscal year 1982/83 was \$889 million.

14.1 ENROLMENT IN EDUCATIONAL INSTITUTIONS

Number

Year	Total	Primary Schools	Secondary Schools and Junior Colleges				Technical and Vocational Institutes ¹	Universities and Colleges
			Total	Academic	Technical	Commercial		
1972	537,278	354,748	161,371	144,145	14,859	2,367	5,841	15,318
1973	542,442	345,284	173,109	155,050	15,645	2,414	7,124	16,925
1974	536,045	337,816	174,177	154,606	16,958	2,613	6,250	17,802
1975	532,956	328,401	176,224	153,029	19,802	3,393	9,830	18,501
1976	526,602	316,265	177,992	152,713	19,951	5,328	11,751	20,594
1977	518,122	308,342	178,186	153,055	19,100	6,031	10,860	20,734
1978	510,416	300,398	179,811	154,494	18,728	6,589	9,830	20,377
1979	509,653	297,873	176,521	151,927	18,215	6,379	14,516	20,743
1980	501,077	296,608	170,316	146,769	17,064	6,483	12,542	22,511
1981	504,092	289,697	177,238	148,842	18,330	10,066	13,001	24,156
1982	507,663	289,092	176,845	147,497	18,023	11,325	14,990	26,736

Note: Data refer to end-June. However, figures for Primary and Secondary Schools in 1980, 1981 and 1982 are at end-December.

Source: Ministry of Education

1 Figures refer to enrolments in July at the vocational institutes run by the Industrial Training Board and from 1979, by the Vocational and Industrial Training Board.

14.2 STUDENTS AND TEACHERS IN EDUCATIONAL INSTITUTIONS, 1982

	Institutions	Students			Teachers			Number
		Total	Males	Females	Total	Males	Females	
Total	493	507,663	268,773	238,890	24,382	10,779	13,603	
Primary Schools	321	289,092	152,495	136,597	10,687	3,499	7,188	
Secondary Schools & Junior Colleges	150	176,845	86,819	90,026	9,743	4,146	5,597	
Technical & Vocational Institutes	17	14,990	12,461	2,529	1,199	970	229	
Technical Colleges	2	13,406	10,220	3,186	1,033	842	191	
Institute of Education	1	1,000	192	808	167	112	55	
National University of Singapore	1	11,748	6,061	5,687	1,503	1,162	341	
Nanyang Technological Institute	1	582	525	57	50	48	2	

Notes: Please see note of Table 14.1.

Source: Ministry of Education

A school conducting both primary and secondary classes is treated as one primary and one secondary school.

14.3 PRIMARY SCHOOLS, STUDENTS AND TEACHERS BY TYPE OF SCHOOL

Number

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total Schools	414	410	396	391	379	376	364	351	342	327	321
Government	197	196	193	193	190	199	196	193	203	200	212
Government-aided	211	208	199	194	185	174	165	156	137	125	107
Private	6	6	4	4	4	3	3	2	2	2	2
Total Students	354,748	345,284	337,816	328,401	316,265	308,342	300,398	297,873	296,608	289,697	289,092
Government	227,588	222,973	219,281	215,657	213,149	214,749	214,727	217,163	219,956	214,763	220,197
Government-aided	126,798	121,925	118,170	112,377	102,824	93,392	85,491	80,527	76,565	74,756	68,734
Private	362	386	365	367	292	201	180	183	87	178	161
Total Teachers¹	10,858	11,714	11,511	11,190	11,432	11,137	11,112	11,052	11,267	11,108	10,687
Government	6,975	7,664	7,510	7,344	7,684	7,699	7,857	7,687	8,080	8,386	8,532
Government-aided	3,868	4,036	3,988	3,831	3,732	3,424	3,247	3,349	3,184	2,711	2,147
Private	15	14	13	15	16	14	8	16	3	11	8

Note: Data prior to 1980 refer to end-June. With effect from 1980, figures refer to end-December.

Source: Ministry of Education

¹ Figures from 1973 include all professional officers working in the Ministry of Education.

14.4 PRIMARY SCHOOL STUDENTS AND TEACHERS BY LANGUAGE STREAM

Number

Language Stream	Year	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Students												
Total		354,748	345,284	337,816	328,401	316,265	308,342	300,398	297,873	296,608	289,697	289,092
Males		187,987	182,556	178,462	173,406	166,678	163,292	158,776	157,694	156,521	152,613	152,495
Females		166,761	162,728	159,354	154,995	149,587	145,050	141,622	140,179	140,087	137,084	136,597
English		229,386	229,492	232,834	234,251	234,700	237,994	241,469	248,507	250,537	251,254	255,921
Males		121,787	121,249	122,804	123,713	123,664	125,875	127,556	131,423	131,830	131,699	134,450
Females		107,599	108,243	110,030	110,538	111,036	112,119	113,913	117,084	118,707	119,555	121,471
Chinese		112,509	106,387	98,647	89,823	78,712	68,315	57,455	48,283	45,316	37,968	32,855
Males		61,116	57,587	53,156	47,939	41,845	36,539	30,547	25,754	24,317	20,664	17,884
Females		51,393	48,800	45,491	41,884	36,867	31,776	26,908	22,529	20,999	17,304	14,971
Malay		11,891	8,587	5,712	3,883	2,567	1,837	1,362	1,029	739	475	316
Males		4,698	3,387	2,252	1,571	1,055	798	621	489	362	250	161
Females		7,193	5,200	3,460	2,312	1,512	1,039	741	540	377	225	155
Tamil		962	818	623	444	286	196	112	54	16	-	-
Males		386	333	250	183	114	80	52	28	12	-	-
Females		576	485	373	261	172	116	60	26	4	-	-
Teachers												
Total		10,858	11,714	11,511	11,190	11,432	11,137	11,112	11,052	11,267	11,108	10,687
Males		3,757	3,747	3,665	3,702	4,020	3,938	3,957	3,760	3,626	3,441	3,499
Females		7,101	7,967	7,846	7,488	7,412	7,199	7,155	7,292	7,641	7,667	7,188
English		6,686	7,442	7,416	7,413	7,723	7,935	8,207	8,256	6,815	6,951	9,110
Males		1,905	1,952	1,974	2,112	2,318	2,473	2,630	2,601	1,782	1,727	2,847
Females		4,781	5,490	5,442	5,301	5,405	5,462	5,577	5,655	5,033	5,224	6,263
Chinese		3,482	3,645	3,557	3,322	3,262	2,906	2,668	2,629	3,311	3,251	1,500
Males		1,499	1,463	1,399	1,335	1,441	1,284	1,184	1,051	1,329	1,277	602
Females		1,983	2,182	2,158	1,987	1,821	1,622	1,484	1,578	1,982	1,974	898
Malay		636	568	487	420	413	269	219	152	924	906	77
Males		330	312	274	240	244	169	134	99	447	437	50
Females		306	256	213	180	169	100	85	53	477	469	27
Tamil		54	59	51	35	34	27	18	15	217	-	-
Males		23	20	18	15	17	12	9	9	68	-	-
Females		31	39	33	20	17	15	9	6	149	-	-

Note: See note to Table 14.3.

Source: Ministry of Education

14.5 ENROLMENT IN PRIMARY SCHOOLS BY AGE AND LEVEL, DECEMBER 1982

Number

Age As At 1.1.82	Total	Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
Males								
Total	150,673	20,501	22,221	24,120	25,740	24,998	30,061	3,032
Under 6	4	4	-	-	-	-	-	-
6 & Under 7	18,805	18,798	7	-	-	-	-	-
7 & Under 8	21,726	1,662	20,051	13	-	-	-	-
8 & Under 9	23,695	30	2,064	21,593	8	-	-	-
9 & Under 10	24,567	7	86	2,397	22,074	3	-	-
10 & Under 11	23,136	-	13	95	3,167	19,779	80	2
11 & Under 12	22,597	-	-	20	409	4,262	16,857	1,049
12 & Under 13	9,974	-	-	2	62	826	8,005	1,079
13 & Under 14	5,729	-	-	-	20	124	4,749	836
14 & Under 15	428	-	-	-	-	4	360	64
15 & Under 16	11	-	-	-	-	-	9	2
16 & Over	1	-	-	-	-	-	1	-
Females								
Total	135,946	19,090	20,388	22,506	23,466	22,550	25,677	2,269
Under 6	2	2	-	-	-	-	-	-
6 & Under 7	17,502	17,496	6	-	-	-	-	-
7 & Under 8	20,017	1,565	18,442	10	-	-	-	-
8 & Under 9	22,164	22	1,874	20,264	4	-	-	-
9 & Under 10	22,938	5	60	2,151	20,708	14	-	-
10 & Under 11	21,338	-	6	69	2,509	18,712	41	1
11 & Under 12	21,064	-	-	12	209	3,309	16,542	992
12 & Under 13	7,341	-	-	-	27	459	6,072	783
13 & Under 14	3,359	-	-	-	9	52	2,840	458
14 & Under 15	219	-	-	-	-	4	181	34
15 & Under 16	2	-	-	-	-	-	1	1
16 & Over	-	-	-	-	-	-	-	-

Note: Figures exclude students in Basic Courses and in Private Schools.

Source: Ministry of Education

14.6 SECONDARY SCHOOLS, STUDENTS AND TEACHERS BY TYPE OF SCHOOL

Number

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total Schools	121	124	123	124	126	131	135	135	144	145	150
Government	68	69	69	70	72	77	79	80	89	90	94
Government-aided	45	47	48	48	48	49	51	51	51	51	52
Private	8	8	6	6	6	5	5	4	4	4	4
Total Students	161,371	173,109	174,177	176,224	177,992	178,186	179,811	176,521	170,316	177,238	176,845
Government	118,174	127,942	127,384	127,651	128,148	127,769	128,509	126,017	121,700	128,127	128,854
Government-aided	41,192	43,315	45,017	46,687	48,022	48,724	49,612	48,735	46,678	47,333	46,198
Private	2,005	1,852	1,776	1,886	1,822	1,693	1,690	1,769	1,938	1,778	1,793
Total Teachers¹	6,398	7,442	7,543	7,559	7,592	7,753	7,828	8,418	8,019	8,807	9,743
Government	4,800	5,750	5,777	5,761	5,739	5,799	5,787	6,222	6,131	7,249	6,823
Government-aided	1,510	1,600	1,694	1,724	1,784	1,881	1,974	2,130	1,822	1,493	2,851
Private	88	92	72	74	69	73	67	66	66	65	69

Note: See note to Table 14.3.

Source: Ministry of Education

¹ Figures from 1973 include all professional officers working in the Ministry of Education.

14.7 SECONDARY SCHOOL STUDENTS AND TEACHERS BY LANGUAGE STREAM

Number

Language Stream \ Year	Year										
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Students											
Total	161,371	173,109	174,177	176,224	177,992	178,186	179,811	176,521	170,316	177,238	176,845
Males	81,283	86,809	86,735	86,753	86,731	86,362	87,071	85,467	82,585	86,522	86,819
Females	80,088	86,300	87,442	89,471	91,261	91,824	92,740	91,054	87,731	90,716	90,026
English	105,478	114,548	115,145	116,094	117,946	119,514	123,936	130,699	129,941	144,309	148,431
Males	52,370	56,837	56,718	56,322	56,546	56,988	59,201	62,511	62,738	70,255	72,835
Females	53,108	57,711	58,427	59,772	61,400	62,526	64,735	68,188	67,203	74,054	75,596
Chinese	46,522	48,823	49,993	52,263	53,917	54,093	52,715	43,986	39,226	32,147	27,923
Males	25,590	26,622	26,924	27,820	28,315	27,995	26,920	22,373	19,483	16,005	13,803
Females	20,932	22,201	23,069	24,443	25,602	26,098	25,795	21,613	19,743	16,142	14,120
Malay	9,055	9,374	8,657	7,507	5,794	4,301	2,944	1,668	1,042	678	423
Males	3,218	3,201	2,920	2,441	1,736	1,272	878	526	323	217	146
Females	5,837	6,173	5,737	5,066	4,058	3,029	2,066	1,142	719	461	277
Tamil	316	364	382	360	335	278	216	168	107	104	68
Males	105	149	173	170	134	107	72	57	41	45	35
Females	211	215	209	190	201	171	144	111	66	59	33
Teachers											
Total	6,398	7,023	6,979	7,120	7,592	7,753	7,828	8,418	8,019	8,807	9,743
Males	3,414	3,557	3,462	3,515	3,977	3,954	3,871	4,105	3,521	3,910	4,146
Females	2,984	3,466	3,517	3,605	3,615	3,799	3,957	4,313	4,498	4,897	5,597
English	3,969	4,463	4,431	4,562	4,857	5,043	5,142	5,721	5,701	6,471	7,942
Males	1,924	2,049	1,998	2,042	2,309	2,329	2,311	2,572	2,327	2,727	3,293
Females	2,045	2,414	2,433	2,520	2,548	2,714	2,831	3,149	3,374	3,744	4,649
Chinese	2,006	2,131	2,133	2,170	2,334	2,343	2,354	2,406	1,910	1,943	1,708
Males	1,240	1,242	1,202	1,227	1,397	1,375	1,334	1,339	921	912	792
Females	766	889	931	943	937	968	1,020	1,067	989	1,031	916
Malay	409	409	401	375	391	357	321	276	360	379	83
Males	242	254	253	238	266	245	221	188	238	262	55
Females	167	155	148	137	125	112	100	88	122	117	28
Tamil	14	20	14	13	10	10	11	15	48	14	10
Males	8	12	9	8	5	5	5	6	35	9	6
Females	6	8	5	5	5	5	6	9	13	5	4

Note: See note to Table 14.3.

Source: Ministry of Education

Data for Chinese Stream pupils in 1979-1982 include those in bilingual courses.

14.8 ENROLMENT IN SECONDARY SCHOOLS BY AGE AND LEVEL, DECEMBER 1982

Number

Age As At 1.1.82	Total	Secondary I	Secondary II	Secondary III	Secondary IV	Pre- University I	Pre- University II	Pre- University III
Males								
Total	86,087	19,623	22,608	18,207	17,375	3,651	3,620	1,003
Under 12	97	97	-	-	-	-	-	-
12 & Under 13	11,604	11,516	88	-	-	-	-	-
13 & Under 14	16,350	4,968	11,369	13	-	-	-	-
14 & Under 15	18,921	2,808	6,908	9,194	11	-	-	-
15 & Under 16	17,752	214	3,883	5,560	8,084	11	-	-
16 & Under 17	12,265	13	334	3,162	6,365	2,381	10	-
17 & Under 18	6,339	7	24	262	2,685	1,018	2,342	1
18 & Under 19	2,039	-	2	12	220	218	1,026	561
19 & Under 20	651	-	-	4	10	21	239	377
20 & Under 21	69	-	-	-	-	2	3	64
Females								
Total	88,965	19,374	22,401	18,788	18,037	4,268	4,570	1,527
Under 12	44	44	-	-	-	-	-	-
12 & Under 13	12,567	12,516	51	-	-	-	-	-
13 & Under 14	16,995	4,558	12,427	10	-	-	-	-
14 & Under 15	19,052	2,104	6,426	10,519	3	-	-	-
15 & Under 16	18,615	136	3,235	5,303	9,935	6	-	-
16 & Under 17	12,159	12	247	2,727	6,019	3,143	11	-
17 & Under 18	6,486	4	14	222	1,941	971	3,334	-
18 & Under 19	2,511	-	1	6	135	133	1,075	1,161
19 & Under 20	470	-	-	1	4	14	122	329
20 & Under 21	66	-	-	-	-	1	28	37

Source: Ministry of Education

14.9 ENROLMENT IN UNIVERSITIES AND COLLEGES

Number

Year	Total ¹		National University of Singapore		Singapore Polytechnic		Ngee Ann Polytechnic ²		Institute of Education	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
1972	10,826	4,492	4,672	3,150	5,147	617	896	289	111	436
1973	12,033	4,892	4,809	3,411	6,196	925	932	292	96	264
1974	12,259	5,543	4,568	3,660	6,581	1,204	1,012	326	98	353
1975	12,449	6,052	4,772	3,768	6,293	1,331	1,243	409	141	544
1976	13,626	6,968	4,871	4,004	6,950	1,537	1,536	506	269	921
1977	13,812	6,922	4,972	3,858	6,874	1,492	1,671	539	295	1,033
1978	13,248	7,129	4,997	3,762	6,248	1,466	1,750	549	253	1,352
1979	13,292	7,451	5,045	3,621	6,015	1,435	1,865	591	367	1,804
1980	14,029	8,482	5,067	4,011	6,562	1,712	2,049	782	351	1,977
1981	15,138	9,018	5,669	4,717	6,983	1,867	2,157	980	329	1,454
1982	16,998	9,738	6,061	5,687	7,713	2,033	2,507	1,153	192	808

1 Figures for 1982 include students enrolled in the Nanyang Technological Institute.

Source: Ministry of Education

2 Ngee Ann Technical College was renamed Ngee Ann Polytechnic on 16 April 1982.

14.10 MALE STUDENTS ADMITTED TO UNIVERSITIES AND COLLEGES

Number

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	4,106	4,546	4,236	4,706	4,736	4,398	4,406	4,550	5,370	5,744	6,895
National University of Singapore	1,577	1,519	1,232	1,684	1,703	1,566	1,552	1,725	1,767	1,904	2,238
Arts & Social Sciences	222	201	181	305	269	293	234	229	197	242	244
Science ¹	271	267	157	251	278	264	328	375	220	225	321
Law	60	68	35	70	58	51	44	36	60	63	69
Medicine	195	163	163	123	122	133	82	92	107	136	151
Dentistry	33	17	29	25	29	26	16	25	20	19	22
Engineering	255	307	247	317	353	362	381	521	644	743	959
Architecture & Building/Estate Management	75	96	77	91	88	71	80	91	143	148	115
Accountancy & Business Administration	464	394	340	499	500	366	387	356	376	328	357
Education	2	6	3	3	6	-	-	-	-	-	-
Singapore Polytechnic	2,181	2,492	2,475	2,184	2,241	2,102	2,143	2,022	2,743	2,917	3,335
Engineering	1,795	2,113	2,083	1,774	1,800	1,784	1,848	1,810	2,316	2,320	2,745
Architecture & Building	273	258	250	247	266	154	170	124	332	478	414
Nautical	113	121	142	163	175	164	125	88	95	119	176
Ngee Ann Polytechnic ²	255	332	492	732	604	595	584	547	733	796	1,173
Institute of Education	93	203	37	106	188	135	127	256	127	127	149

¹ Figures prior to 1974 include Pharmacy students admitted into the School of Pharmacy, which was absorbed as a department of the Faculty of Science in 1974.

² See footnote 2 to table 14.9.

Source: National University of Singapore
Singapore Polytechnic
Ngee Ann Polytechnic
Institute of Education

14.11 FEMALE STUDENTS ADMITTED TO UNIVERSITIES AND COLLEGES

Number

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	1,791	1,861	2,047	2,257	2,685	2,298	2,366	2,875	3,457	3,303	4,246
National University of Singapore	1,138	1,177	1,243	1,256	1,376	1,154	1,034	1,173	1,594	1,745	2,085
Arts & Social Sciences	408	423	444	471	453	367	366	430	499	521	680
Science ¹	174	223	125	167	283	264	250	258	402	442	469
Law	73	74	88	81	59	48	40	61	62	72	94
Medicine	62	61	76	78	77	70	57	49	66	38	59
Dentistry	23	20	13	21	16	18	19	11	18	19	15
Engineering	22	27	18	28	19	55	45	27	50	74	81
Architecture & Building/Estate Management	25	29	44	34	34	70	31	37	63	72	106
Accountancy & Business Administration	348	319	435	376	434	262	226	300	434	507	581
Education	3	1	-	-	1	-	-	-	-	-	-
Singapore Polytechnic	262	422	451	391	541	457	442	505	736	774	859
Engineering	143	309	344	253	421	365	369	426	531	474	553
Architecture & Building	119	113	107	138	120	92	73	79	205	300	302
Nautical	-	-	-	-	-	-	-	-	-	-	4
Ngee Ann Polytechnic ²	175	133	157	228	191	170	148	265	379	358	561
Institute of Education	216	129	196	382	577	517	742	932	748	426	741

Note: See footnote (1) and (2) of Table 14.10.

Source: National University of Singapore
Singapore Polytechnic
Ngee Ann Polytechnic
Institute of Education

14.12 MALE GRADUATES FROM UNIVERSITIES AND COLLEGES

Number

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	2,650	2,624	3,228	3,563	2,960	3,524	4,031	4,095	3,613	3,562	3,891
National University of Singapore	1,349	1,205	1,241	1,343	1,306	1,204	1,337	1,481	1,460	1,253	1,409
Arts & Social Sciences	284	226	171	234	232	220	278	314	308	232	209
Science ¹	427	295	232	267	264	170	174	257	273	203	298
Law	53	53	46	43	47	49	30	57	43	43	36
Medicine	113	119	124	90	97	105	120	78	101	106	117
Dentistry	25	30	23	30	17	24	28	16	15	18	13
Engineering	92	111	279	222	223	267	250	271	290	326	364
Architecture & Building/Estate Management	37	53	45	45	62	49	58	78	77	51	91
Accountancy & Business Administration	315	318	321	411	364	320	398	410	352	272	280
Education	3	-	-	1	-	-	1	-	1	2	1
Singapore Polytechnic	821	1,166	1,695	1,905	1,383	1,868	2,012	2,014	1,590	1,594	1,838
Engineering	696	1,012	1,491	1,652	1,063	1,564	1,693	1,687	1,390	1,412	1,536
Architecture & Building	75	84	125	144	191	171	181	230	179	157	274
Nautical	50	70	79	109	129	133	138	97	21	25	28
Ngee Ann Polytechnic ²	109	147	259	264	222	332	528	492	452	493	492
Institute of Education	371	106	33	51	49	120	154	108	111	222	152

1 Includes Pharmacy.

2 See footnote 2 in Table 14.9.

Source: National University of Singapore
Singapore Polytechnic
Ngee Ann Polytechnic
Institute of Education

14.13 FEMALE GRADUATES FROM UNIVERSITIES AND COLLEGES

Number

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	1,585	1,492	1,318	1,626	1,688	2,176	1,997	2,480	2,063	2,963	2,814
National University of Singapore	683	901	940	1,037	1,102	1,153	1,085	1,282	1,143	1,092	1,172
Arts & Social Sciences	263	395	420	430	439	482	463	475	421	396	422
Science ¹	207	207	206	199	226	165	154	247	266	264	286
Law	27	35	36	39	61	67	79	73	56	43	37
Medicine	41	28	23	48	50	50	46	50	58	61	62
Dentistry	5	13	9	11	22	15	20	18	18	18	17
Engineering	1	4	10	14	18	23	9	25	19	54	49
Architecture & Building/Estate Management	3	5	5	11	11	23	23	21	40	65	38
Accountancy & Business Administration	136	214	231	284	275	328	290	373	264	191	261
Education	-	-	-	1	-	-	1	-	1	-	-
Singapore Polytechnic	54	144	176	318	288	464	375	478	379	469	586
Engineering	49	93	113	210	175	336	235	317	261	317	355
Architecture & Building	5	51	63	108	113	128	140	161	118	152	231
Ngee Ann Polytechnic ²	51	63	63	94	90	105	188	171	128	102	259
Institute of Education	797	384	139	177	208	454	349	549	413	1,300	797

Note: See footnote (1) and (2) of Table 14.12.

Source: National University of Singapore
 Singapore Polytechnic
 Ngee Ann Polytechnic
 Institute of Education

14.14 STUDENTS ADMITTED TO VOCATIONAL AND INDUSTRIAL TRAINING INSTITUTES

Number

Course Level	1978			1979			1980			1981			1982		
	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females
Total	8,429	7,734	695	8,705	7,854	851	8,765	7,839	926	11,187	10,118	1,069	15,680	14,446	1,234
Full-time	7,004	6,402	602	7,116	6,377	739	6,140	5,386	754	6,393	5,637	756	7,880	7,132	748
Part-time	1,425	1,332	93	1,589	1,477	112	2,625	2,453	172	4,794	4,481	313	7,800	7,314	486
Diploma Certificate	-	-	-	-	-	-	43	16	27	41	15	26	61	26	35
Full-time	-	-	-	-	-	-	43	16	27	41	15	26	61	26	35
Industrial Technician Certificate	1,076	934	142	1,187	1,024	163	1,736	1,545	191	980	865	115	1,050	951	99
Full-time	1,024	886	138	1,049	909	140	1,541	1,373	168	934	834	100	890	801	89
Part-time	52	48	4	138	115	23	195	172	23	46	31	15	160	150	10
National Trade Certificate (Grade 2)	485	412	73	473	407	66	461	424	37	1,920	1,738	182	3,959	3,696	263
Full-time	-	-	-	-	-	-	125	118	7	441	386	55	661	562	99
Part-time	485	412	73	473	407	66	336	306	30	1,479	1,352	127	3,298	3,134	164
National Trade Certificate (Grade 3)	6,176	5,712	464	6,749	6,151	598	6,139	5,515	624	7,698	7,002	696	8,936	8,155	781
Full-time	5,288	4,840	448	5,771	5,196	575	4,153	3,604	549	4,589	4,015	574	4,913	4,391	522
Part-time	888	872	16	978	955	23	1,986	1,911	75	3,109	2,987	122	4,023	3,764	259
Artisan Certificate/Certificate of Competency	692	676	16	296	272	24	386	339	47	548	498	50	1,674	1,618	56
Full-time	692	676	16	296	272	24	278	275	3	388	387	1	1,355	1,352	3
Part-time	-	-	-	-	-	-	108	64	44	160	111	49	319	266	53

Note: The Adult Education Board and Industrial Training Board were merged to form the Vocational and Industrial Training Board on 1 April 1979.

Source: Vocational and Industrial Training Board

Data on commercial and other part-time courses conducted by the Adult Education Board prior to 1979 are excluded. Such courses conducted by VITB in 1979 are also excluded.

14.15 STUDENTS COMPLETED COURSES AT VOCATIONAL AND INDUSTRIAL TRAINING INSTITUTES

Number

Course Level	1978			1979			1980			1981			1982		
	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females
Total	6,446	5,908	538	5,972	5,378	594	8,162	7,425	737	10,108	9,292	816	14,012	12,824	1,188
Full-time	5,611	5,120	491	5,101	4,555	546	5,227	4,609	618	4,909	4,400	509	6,068	5,401	667
Part-time	835	788	47	871	823	48	2,935	2,816	119	5,199	4,892	307	7,944	7,423	521
Industrial Technician Certificate	1,214	1,052	162	966	841	125	1,065	937	128	1,014	884	130	858	743	115
Full-time	1,010	868	142	883	762	121	970	848	122	985	858	127	811	705	106
Part-time	204	184	20	83	79	4	95	89	6	29	26	3	47	38	9
National Trade Certificate (Grade 2)	238	226	12	276	241	35	549	493	56	1,793	1,635	158	3,839	3,603	236
Full-time	-	-	-	-	-	-	14	14	-	225	188	37	484	443	41
Part-time	238	226	12	276	241	35	535	479	56	1,568	1,447	121	3,355	3,160	195
National Trade Certificate (Grade 3)	4,415	4,051	364	4,427	3,995	432	6,135	5,587	548	6,866	6,394	472	7,895	7,111	784
Full-time	4,022	3,673	349	3,915	3,492	423	3,830	3,339	491	3,394	3,065	329	3,629	3,112	517
Part-time	393	378	15	512	503	9	2,305	2,248	57	3,472	3,329	143	4,266	3,999	267
Artisan Certificate/Certificate of Competency	579	579	-	303	301	2	413	408	5	435	379	56	1,420	1,367	53
Full-time	579	579	-	303	301	2	413	408	5	305	289	16	1,144	1,141	3
Part-time	-	-	-	-	-	-	-	-	-	130	90	40	276	226	50

Note: See note to Table 14.14.

Source: Vocational and Industrial Training Board

14.16 GOVERNMENT EXPENDITURE ON EDUCATION

Thousand Dollars

	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83 ⁵
Total	210,298	264,877	334,462	391,264	405,872	415,823	459,105	556,419	686,379	942,518	1,263,149
Recurrent Expenditure	201,512	255,090	308,005	339,870	361,222	381,368	426,354	505,207	587,469	712,733	888,964
Primary Schools	85,443	95,175	119,000	129,351	133,386	139,734	156,499	186,266	210,143	241,364	303,384
Secondary Schools & Junior Colleges	46,488	62,280	80,004	88,900	95,146	103,200	119,794	181,545	211,841	244,930	289,170
Vocational & Industrial Training Board ¹	22,402	32,782	40,188	43,243	43,275	46,034	47,923	22,190	29,694	38,900	47,401
Tertiary	31,065	40,134	50,375	59,865	70,387	71,649	78,867	90,186	109,649	152,388	198,618
National University of Singapore ²	22,985	30,026	36,630	41,048	43,563	42,568	48,570	58,185	74,557	108,527	138,402
Institute of Education	2,630	3,593	5,785	6,487	9,113	11,043	10,257	7,831	11,089	10,240	13,626
Singapore Polytechnic & Ngee Ann Polytechnic ³	5,450	6,515	7,960	12,330	17,711	18,038	20,040	24,170	24,003	33,621	46,590
Adult Education	1,500	1,810	1,974	2,384	1,896	2,021	2,106	2,810	-	-	-
Others ⁴	14,614	22,909	16,464	16,127	17,132	18,730	21,165	22,210	26,142	35,151	50,391
Development Expenditure	8,786	9,787	26,457	51,394	44,650	34,455	32,751	51,212	98,910	229,785	374,185

1 Expenditure for 1980/81 was included under Ministry of Science and Technology.

Source: Ministry of Education

2 From 1981/82 figures include expenditure of Nanyang Technological Institute.

3 Figures for Ngee Ann Polytechnic were classified under others prior to 1975/76 and covered by the Ministry of Science and Technology during 1979/80 and 1980/81.

4 Includes Curriculum Development Institute of Singapore and Extra Curricular Activities Centre. Institute of Southeast Asia and HQ Expenditure are included from 1975/76.

5 Based on Budget estimates.

14.17 GENERAL LITERACY RATES BY AGE GROUP AND SEX, 1970 AND 1980

Age Group (Years)	Percentage					
	1970			1980		
	Total	Males	Females	Total	Males	Females
All Ages	72.2	83.8	60.1	84.0	91.5	76.2
10 - 14	86.7	87.7	85.6	91.9	91.2	92.7
15 - 19	90.1	92.3	87.8	96.6	96.4	96.9
20 - 24	86.1	91.5	80.6	95.9	96.4	95.5
25 - 29	77.0	88.3	65.6	94.6	96.5	92.5
30 - 34	69.6	85.4	53.7	91.2	95.8	86.4
35 - 39	61.6	80.7	41.0	84.3	93.9	74.3
40 - 44	59.9	80.6	35.9	77.6	91.5	63.4
45 - 49	57.5	79.9	31.2	68.1	86.9	48.5
50 - 54	51.8	76.6	23.9	63.6	84.7	40.9
55 - 59	44.9	70.2	17.4	59.6	82.3	35.2
60 - 64	37.9	62.0	12.8	52.4	77.4	27.5
65 & Over	27.3	50.6	8.9	37.8	64.9	15.8

14.18 PERSONS AGED 10 YEARS AND OVER BY AGE GROUP AND LITERACY, 1970 AND 1980

Number

Age Group (Years)	Languages Literate In						Not Literate	
	One Official Language Only		Two Or More Official Languages		Non-Official Languages			
	1970	1980	1970	1980	1970	1980	1970	1980
Total	904,422	1,039,344	214,751	628,789	6,351	8,275	432,994	319,970
10 - 14	210,879	104,159	39,356	111,886	161	535	38,451	18,976
15 - 19	172,725	133,193	49,081	144,072	168	515	24,443	9,640
20 - 24	133,854	156,119	41,189	126,527	369	1,523	28,323	12,023
25 - 29	80,516	147,529	21,139	91,043	560	1,177	30,530	13,782
30 - 34	74,937	131,318	19,353	59,929	633	1,205	41,458	18,588
35 - 39	55,357	85,544	13,311	27,961	834	916	43,393	21,346
40 - 44	48,738	77,921	10,583	23,575	1,056	552	40,500	29,427
45 - 49	38,020	57,299	7,963	15,259	996	446	34,767	34,241
50 - 54	30,775	47,292	5,456	11,475	698	486	34,294	33,883
55 - 59	25,251	34,514	3,610	7,651	465	388	36,039	28,831
60 - 64	16,393	26,361	1,956	4,673	213	256	30,361	28,418
65 & Over	16,977	38,095	1,754	4,738	198	276	50,435	70,815

15. HEALTH

The provision of health services by the Government in Singapore is very comprehensive. The Ministry of Health is responsible for the overall policy on health matters, the maintenance of public health standards, the development of health programmes and preventive measures and the provision of treatment and hospital facilities. In addition, the Singapore Family Planning and Population Board provides family planning advice and facilities.

The Ministry of Health is providing four main services, namely, Primary Health Care Services, Hospital Services, Other Medical and Supporting Services, and Dental Services to the general public.

Primary Health Care Services

The Primary Health Care Services which include Outpatient,

Maternal and Child Health and School Health Services are provided at 26 outpatient dispensaries and 29 maternal and child health clinics. The outpatient dispensaries offer general curative treatment while maternal and child health clinics concentrate on preventive health care for women of child-bearing age and pre-school children, implementing family planning programmes and immunization programmes for pre-school children. Health screening and immunization for school children is undertaken by School Health Services.

Hospital Services

There are 13 Government hospitals of which 6 are general hospitals providing accident and emergency services and multi-disciplinary treatment, and 7 specialist hospitals providing specialist treatment

in obstetrics and gynaecology, psychiatry, skin and infectious diseases. In addition, there are 13 private hospitals catering for the medical needs of the people.

Other Medical and Supporting Services

These are provided by the Radiology and Radiotherapy Department, Pathology Department, Blood Transfusion Service, Rehabilitation Services (including physiotherapy, occupational therapy and speech therapy), Medical Social Services and Pharmaceutical Services.

Dental Services

The Dental Services provide curative and preventive dental treatment at 137 dental clinics located at various hospitals, out-patient/maternal and child health clinics and schools.

Medical Personnel

Data on medical personnel refer to the number of doctors, dentists, pharmacists, nurses and mid-wives registered under the respective Acts, namely, the Medical Registration Act, the Registration of Dentists Act, the Registration of Pharmacists Act, the Nurses Registration Act and the Mid-Wives Act.

Family Planning

The Singapore Family Planning and Population Board (SFPPB) was established in January 1966. The Board is responsible for matters pertaining to family planning and the implementation of the Government's National Family Planning and Population Programme.

The Board provides facilities for the full range of family planning methods comprising oral contraceptive pill, condom, intra-uterine

contraceptive device (IUD), hormonal injection (Depoprovera), diaphragm and spermicide through a comprehen-

sive network of 30 Maternal and Child Health/Family Planning Clinics.

15.1 HOSPITALS, GOVERNMENT CLINICS AND DISPENSARIES

Number

Year	Hospitals		Government Dental Clinics	Government Outpatient Dispensaries	Maternal and Child Health Clinics
	Government	Private			
1972	13	7	91	26	46
1973	13	7	95	26	46
1974	14	7	102	26	45
1975	14	8	102	26	39
1976	13	8	117	27	35
1977	13	8	124	28	34
1978	13	10	134	26	32
1979	13	12	132	27	30
1980	13	13	133	27	29
1981	13	13	133	26	29
1982	13	13	137	26	29

Source: Ministry of Health

15.2 REGISTERED MEDICAL PERSONNEL

Number

Year	Doctors		Dentists		Pharmacists		Nurses ¹		Midwives ¹	
	Government	Private	Government	Private	Government	Private	Government	Private	Government	Private
1972	584	893	106	302	55	218	3,244	1,178	1,630	548
1973	706	859	130	295	60	231	3,488	1,943	1,696	621
1974	774	812	131	291	60	277	3,892	1,859	1,833	600
1975	775	847	130	289	61	227	4,103	1,664	1,863	606
1976	740	965	131	302	60	238	4,393	1,567	1,770	770
1977	752	1,095	133	331	64	254	4,904	1,910	1,949	703
1978	826	1,035	154	322	60	270	5,174	1,895	1,970	755
1979	806	1,045	157	337	62	289	5,063	2,342	1,803	928
1980	855	1,121	161	324	58	310	4,836	2,709	1,758	1,008
1981	914	1,177	166	335	58	300	4,729	2,511	1,701	990
1982	1,001	1,224	180	350	59	314	4,825	2,709	1,638	1,035

1. Include midwives who are registered nurses and vice versa.

Source: Ministry of Health

15.3 GOVERNMENT HOSPITAL BEDS

Number

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	7,981	8,031	7,872	8,005	8,609	8,574	8,493	8,485	8,078	8,365	8,246
General Hospitals											
Alexandra Hospital	282	380	372	438	479	479	483	503	503	503	545
Changi Hospital ¹	-	-	36	36	180	180	180	180	202	202	202
Sembawang Hospital	64	64	64	64	64	64	64	64	64	64	62
Singapore General Hospital	1,521	1,521	1,521	1,521	1,521	1,521	1,521	1,459	1,397	1,651	1,500
Tan Tock Seng Hospital	1,303	1,303	1,303	1,369	1,369	1,358	1,311	1,345	1,335	1,337	1,324
Toa Payoh Hospital ²	384	384	384	388	410	410	412	412	412	418	410
Specialised Hospitals											
Kandang Kerbau Hospital ³	553	560	560	560	751	727	687	687	687	687	687
St Andrew's Hospital	120	120	120	120	120	120	120	120	80	80	80
Middleton Hospital	273	272	272	272	272	272	272	272	272	272	272
Middle Road Hospital	51	51	47	44	-	-	-	-	-	-	-
Trafalgar Hospital	785	731	731	731	731	731	731	731	434	319	304
Woodbridge Hospital ⁴	2,645	2,645	2,462	2,462	2,462	2,462	2,462	2,462	2,442	2,582	2,610
View Road Hospital	-	-	-	-	250	250	250	250	250	250	250

¹ Known as Changi Chalet Hospital prior to 1976.

² Known as Thomson Road General Hospital prior to 1975.

³ Figures prior to 1976 exclude neonatal beds.

⁴ Includes Mental Defective Unit and Chronic Sick Unit.

Source: Ministry of Health

15.4 PRIVATE HOSPITAL BEDS

Number

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	971	989	1,040	1,100	1,100	1,097	1,090	1,261	1,501	1,534	1,576
Gleneagles Hospital	80	80	80	76	76	76	76	122	122	121	122
Jurong Hospital	44	44	60	62	62	62	62	62	62	40	40
Mt Alvenia Hospital	300	300	300	272	272	272	292	325	317	312	304
St Mark's Hospital	-	-	20	45	45	45	45	45	21	21	89
Youngberg Hospital	67	67	82	82	82	79	79	79	74	68	70
St Andrew's Mission Hospital ¹	80	80	80	80	80	80	50	50	50	50	50
Singapore Nursing Home	-	18	18	20	20	20	19	20	30	30	45
Kwong Wai Shiu Hospital	400	400	400	425	425	425	425	425	425	425	425
Shenton Nursing Home	-	-	-	-	-	-	-	13	15	15	15
Thomson Medical Centre	-	-	-	-	-	-	-	76	77	96	96
Mt Elizabeth Hospital	-	-	-	-	-	-	-	-	264	322	282
Eye Clinic	-	-	-	22	22	22	22	22	22	12	20
Gental Nursing & Health Centre	-	-	-	16	16	16	20	22	22	22	18

¹ Services were discontinued after 22 April 1982.

Source: Ministry of Health

15.5 ADMISSIONS IN GOVERNMENT HOSPITALS

	Number										
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	154,849	159,971	156,760	164,205	184,146	190,332	209,130	234,328	234,502	230,330	233,683
Alexandra Hospital	8,094	11,666	13,897	20,159	23,983	24,095	28,339	33,089	34,841	33,056	32,459
Changi Hospital	-	-	-	71	597	1,853	2,520	3,157	4,113	5,289	3,888
Sembawang Hospital	593	775	989	1,115	1,090	874	745	994	1,076	1,078	1,058
Singapore General Hospital	60,144	63,709	58,306	53,956	53,515	54,444	53,036	60,208	58,637	54,655	60,552
Tan Tock Seng Hospital	8,592	9,271	9,558	13,019	15,014	19,490	28,590	37,789	37,680	35,961	36,671
Toa Payoh Hospital	23,524	22,226	21,635	21,819	25,193	25,245	26,740	30,414	31,937	31,852	29,280
Kandang Kerbau Hospital	46,522	45,244	43,391	40,028	54,052	49,879	53,451	55,236	53,437	53,904	54,280
St Andrew's Hospital	339	333	301	226	251	219	265	180	192	152	104
Middle Road Hospital	875	655	666	627	-	-	-	-	-	-	-
Middleton Hospital	3,474	3,118	4,953	9,974	6,591	9,619	10,634	7,965	6,748	8,657	10,140
Trafalgar Hospital	235	213	223	252	228	238	223	200	162	136	125
Woodbridge Hospital ¹	2,457	2,761	2,841	2,872	3,478	4,304	4,534	5,043	5,576	5,462	5,052
View Road Hospital	-	-	-	87	154	72	53	53	103	128	74

1 Includes Mental Defective Unit and Chronic Sick Unit.

Source: Ministry of Health

15.6 VISITS TO OUTPATIENT DISPENSARIES

Year	Number					
	Total	Outpatient Dispensaries	Sunday/Holiday Clinics	Island Dispensaries	Mobile Dispensaries ¹	Institutional Dispensaries
1972	2,222,336	2,056,250	24,948	10,252	15,234	115,652
1973	2,363,451	2,192,977	22,067	11,812	8,955	127,640
1974	2,204,809	2,033,327	19,652	6,129	9,140	136,561
1975	2,473,891	2,291,578	21,928	7,703	12,112	140,570
1976	2,489,596	2,284,118	22,420	5,849	12,415	164,794
1977	2,748,869	2,555,489	23,083	4,610	7,868	157,819
1978	2,922,263	2,700,463	25,192	3,658	-	192,950
1979	2,907,204	2,799,451	23,809	2,989	-	80,955
1980	2,917,554	2,843,192	24,398	2,322	-	47,642
1981	2,833,394	2,756,642	22,880	2,792	-	51,080
1982	2,928,976	2,879,549	21,161	2,653	-	25,613

¹ Closed with effect from 31 December 1977.

Source: Ministry of Health

15.7 VISITS TO GOVERNMENT DENTAL CLINICS

Year	Total	School	Hospital	Number
				Outpatient Clinic
1972	596,714	436,132	116,369	44,213
1973	650,509	465,435	127,456	57,618
1974	698,114	473,233	139,460	85,421
1975	757,026	485,076	164,431	107,519
1976	786,921	487,766	174,435	124,720
1977	900,127	551,787	178,014	170,326
1978	907,450	534,476	178,695	194,279
1979	1,045,226	516,572	198,186	330,468
1980	1,098,054	539,459	201,638	356,957
1981	1,080,982	494,446	201,888	384,648
1982	1,139,698	520,969	194,589	424,140

Source: Ministry of Health

15.8 MATERNITY SERVICES

Year	Maternal and Child Health Clinics			Government Hospitals	
	Ante-natal and Post-natal Attendances	Home Deliveries	Home Visit to Puerperal Mothers by Nurses and Midwives	Ante-natal and Post-natal Attendances	Deliveries
1972	158,686	52	256,987	..	40,401
1973	151,647	47	215,596	..	39,968
1974	107,915	33	183,565	157,556	35,301
1975	99,687	13	173,217	146,540	33,362
1976	103,240	10	168,957	150,730	36,309
1977	97,114	9	112,307	141,435	32,540
1978	103,572	7	122,047	152,700	33,253
1979	106,873	3	127,822	162,375	34,362
1980	107,099	6	123,680	152,204	33,957
1981	98,219	3	112,901	159,965	33,899
1982	88,733	-	111,061	164,986	33,418

Source: Ministry of Health

15.9 NOTIFICATIONS OF SPECIFIC NOTIFIABLE DISEASES

Year	Cholera	Dengue/ DHF ¹	Diphtheria	Enteric Fever ²	Leprosy	Malaria	Polio- myelitis	Tuber- culosis	Number	
									Viral Hepatitis ³	Viral Encephalitis ³
1972	114	12	7	167	148	302	2	3,109	-	-
1973	1	1,255	5	154	96	347	1	3,037	-	-
1974	8	229	4	301	122	417	-	3,451	-	-
1975	10	59	-	513	93	443	-	3,097	-	-
1976	-	30	-	141	102	251	1	2,813	-	-
1977	11	92	1	216	90	184	2	2,760	-	-
1978	83	384	-	174	71	166	1	2,964	393	30
1979	10	156	-	208	96	208	1	2,800	392	24
1980	18	253	-	255	66	200	-	2,710	1,001	36
1981	34	136	-	209	64	261	-	2,425	425	27
1982	31	216	6	174	61	282	1	2,179	426	15

Note: No case of plague, smallpox and yellow fever was reported during the period.

Source: Ministry of Health

1 Dengue/Dengue Haemorrhagic Fever was made a notifiable disease from August 1977. However, it was administratively notifiable within government institutions since October 1966.

2 Typhoid and Paratyphoid.

3 Viral Hepatitis and Viral Encephalitis were made notifiable diseases from August 1977. However, data is only available from 1978.

15.10 VACCINATION AND IMMUNIZATION OF PRE-SCHOOL CHILDREN

Thousand Doses

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
BCG Vaccination	45.6	44.2	39.3	36.1	38.2	34.2	34.6	35.3	35.0	35.2	34.1
Smallpox Vaccination	38.0	39.6	37.5	35.1	36.3	33.0	31.6	32.4	31.5	10.6	0.7
Diphtheria Immunization											
Diphtheria Tetanus											
1st Dose	6.6	5.5	5.0	4.0	3.0	2.2	2.0	1.8	1.7	1.4	1.5
2nd Dose	6.2	5.1	5.0	4.0	3.0	2.1	2.1	1.8	1.9	1.6	1.8
Boosters	44.9	47.2	54.5	47.4	20.4	14.5	14.2	11.9	10.8	10.0	9.5
Triple Antigen											
1st Dose	41.1	41.1	36.5	32.5	33.2	32.8	30.0	31.1	29.8	31.6	30.1
2nd Dose	39.5	39.0	35.5	31.7	31.4	31.7	28.4	29.5	28.3	30.0	28.3
3rd Dose	38.8	38.6	36.1	31.3	30.2	31.3	27.8	28.5	27.6	29.0	27.3
Boosters	13.6	15.3	7.2	8.8	20.9	19.8	21.4	20.2	20.2	19.6	20.2
Poliomyelitis Immunization											
1st Dose	46.7	45.8	40.7	35.8	35.6	34.5	31.6	32.5	31.2	32.8	31.0
2nd Dose	46.0	43.7	40.5	36.1	34.2	33.8	30.5	31.3	30.1	31.7	29.9
3rd Dose	45.8	44.0	41.6	35.8	33.6	34.0	30.2	30.8	30.0	31.3	29.9
Boosters	57.4	62.2	62.1	63.9	67.3	59.4	62.7	58.4	55.7	54.4	34.8
Measles	-	-	-	-	3.4	10.3	9.2	10.0	18.0	22.2	30.0

Source: Ministry of Health

15.11 VACCINATION AND IMMUNIZATION OF SCHOOL CHILDREN

Thousand Doses

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
BCG Vaccination	22.4	21.4	31.1	31.4	31.1	26.0	30.6	29.4	27.4	28.8	44.5
Smallpox Revaccination	47.6	46.4	44.3	41.8	37.4	43.5	40.0	43.5	42.9	11.4	-
Diphtheria Tetanus											
1st Dose	2.9	1.8	1.2	1.0	0.6	0.9	0.4	0.4	0.5	0.4	0.2
2nd Dose	2.3	1.6	1.2	0.9	0.5	0.8	0.4	0.4	0.4	0.4	0.3
Boosters	23.2	23.3	21.1	19.6	119.3	99.6	118.0	120.4	111.8	109.7	97.4
Polioimyelitis Immunization											
1st Dose	41.1	38.2	35.3	29.0	1.1	1.2	0.5	0.5	0.5	0.4	0.2
2nd Dose	40.3	38.9	36.7	33.2	1.1	1.3	0.6	0.5	0.4	0.4	0.3
3rd Dose	-	-	-	-	0.5	1.4	0.7	0.6	0.6	0.5	0.3
Boosters	-	-	-	-	125.8	98.7	102.6	104.5	97.7	101.7	90.6
Rubella	-	-	-	-	9.8	20.1	20.9	36.3	26.9	17.7	51.2

Source: Ministry of Health

15.12 STUDENT MEDICAL CHECK-UP

Thousand

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	140.1	180.6	217.8	184.6	220.3	205.4	214.2	214.7	218.5	225.3	204.0
By Category:											
New Entrants	36.4	41.0	45.8	41.3	41.6	43.6	44.4	46.5	45.8	41.9	39.4
Primary School Leavers	40.9	48.0	54.4	49.8	51.8	39.2	44.0	42.9	40.3	37.2	55.7
Secondary School Leavers	21.2	24.3	30.8	17.0	36.9	17.1	18.0	17.8	15.2	15.0	15.6
Re-examination	41.0	48.0	66.8	73.5	85.5	103.0	106.9	106.3	115.1	130.2	92.6
Others	0.6	19.3	20.0	3.0	4.5	2.5	0.9	1.2	2.0	1.0	0.7
By Sex:											
Males	60.3	76.2	106.0	84.6	109.8	96.3	100.3	98.8	101.9	106.1	95.9
Females	79.8	104.4	111.8	100.0	110.5	109.1	113.9	115.9	116.6	119.2	108.1

Source: Ministry of Health

15.13 RESULTS OF STUDENT MEDICAL CHECK-UP

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	Per 10,000 Males Examined										
Incidence of:											
Dental Caries	2,628	1,953	1,661	1,623	1,566	1,741	1,421	1,286	1,109	968	716
Skin Infection	559	306	253	218	332	81	129	253	282	275	284
Eyes: Infection	53	5	2	7	3	2	33	73	114	101	94
Defective Vision	2,251	1,766	2,844	3,295	2,722	2,382	2,476	2,885	2,939	3,114	3,161
ENT : Deafness	-	2	2	4	1	2	9	7	12	22	37
Ear Infections	43	12	7	6	3	2	27	73	3	-	-
Cardiac Disease	171	69	52	86	92	141	206	202	191	240	165
Respiratory Infection	57	9	24	7	11	1	6	7	8	39	12
Genito - Urinary	793	557	590	572	280	442	717	606	786	741	530
Anaemia (Under 60% Haemoglobin)	7	5	7	2	1	1	2	3	2	5	2
Worm Infestation	93	6	39	6	1	2	1	4	-	2	6
Others ¹	339	102	173	220	103	193	141	110	110	144	151
	Per 10,000 Females Examined										
Incidence of:											
Dental Caries	1,740	1,687	1,300	1,093	1,175	1,199	892	912	938	636	697
Skin Infection	508	424	189	313	279	231	237	358	295	341	401
Eyes: Infection	64	9	3	6	1	1	15	107	23	27	27
Defective Vision	2,832	2,111	3,080	4,064	3,257	3,439	3,433	3,851	3,779	4,158	3,558
ENT : Deafness	-	1	2	3	2	1	8	8	12	13	22
Ear Infections	23	11	6	3	3	1	64	107	1	-	-
Cardiac Disease	38	62	53	50	90	86	206	198	231	190	185
Respiratory Infection	78	52	37	8	18	2	6	5	6	60	9
Genito - Urinary	38	67	36	31	14	18	22	4	5	3	12
Anaemia (Under 60% Haemoglobin)	4	6	4	3	1	3	2	2	2	2	1
Worm Infestation	188	132	56	8	6	8	6	2	-	1	8
Others ¹	171	71	128	216	137	187	107	97	124	210	341

1 Include postural defects, cleft palate, musculo skeletal deformities and mental disorders.

Source: Ministry of Health

15.14 FAMILY PLANNING

Number

Year	Visits to Government Family Planning Clinics							Sterilization		
	Total	First Visit			Re-visits			Total	Females	Males
		Contraceptive Pill	Condom	Others	Contraceptive Pill	Condom	Others			
1972	389,185	9,670	7,343	653	282,506	70,516	18,497	6,189	5,842	347
1973	404,504	10,739	7,884	479	287,330	80,219	17,853	9,338	8,964	374
1974	391,237	10,700	7,245	347	274,627	82,198	16,120	9,567	9,241	326
1975	376,525	9,388	7,023	281	259,048	84,541	16,244	9,948	9,495	453
1976	361,385	8,952	8,477	245	236,676	90,128	16,907	10,718	10,310	408
1977	339,965	7,503	8,354	301	212,152	94,598	17,057	8,587	8,236	351
1978	308,769	6,229	8,730	233	186,829	90,010	16,738	7,787	7,447	340
1979	283,954	5,779	9,180	307	164,827	88,032	15,829	7,263	6,768	495
1980	269,294	5,539	9,166	304	152,557	85,740	15,988	6,945	6,487	458
1981	250,075	5,068	9,165	301	136,611	83,420	15,510	6,798	6,312	486
1982	235,709	4,873	9,418	360	123,600	82,932	14,526	6,505	6,011	494

Source: Singapore Family Planning & Population Board

15.15 BLOOD DONATIONS AND TRANSFUSIONS

Year	Donors	Blood Donations	Transfusions Given							
			Total	Singapore General Hospital	Tan Tock Seng Hospital	Alexandra Hospital	Toa Payoh Hospital	Kandang Kerbau Hospital	Other Government Hospitals	Private Hospitals
	Persons		Number of Units ¹							
1972	29,231	40,117	37,359	20,187	1,901	1,233	5,559	7,277	65	1,137
1973	30,909	43,832	40,432	20,982	2,654	2,099	5,943	7,313	105	1,336
1974	36,982	46,375	40,632	20,296	3,409	2,277	5,576	7,556	163	1,355
1975	31,457	44,010	40,354	18,141	5,396	3,066	6,011	5,561	254	1,925
1976	32,784	45,615	39,747	15,648	5,798	3,894	6,142	5,553	159	2,553
1977	33,948	48,390	44,261	17,428	7,427	3,522	6,573	6,231	458	2,622
1978	40,349	56,670	44,969	16,290	9,744	4,225	6,566	5,623	417	2,104
1979	35,384	51,897	45,261	16,937	11,030	4,626	5,333	4,787	475	2,073
1980	36,276	53,813	46,729	16,637	11,004	4,762	5,113	4,409	623	4,181
1981	36,526	55,038	49,059	18,006	10,585	5,369	4,817	4,270	1,024	4,988
1982	39,448	59,711	53,408	20,789	10,421	5,930	5,489	4,557	756	5,466

¹ Volume of one unit of blood is approximately 430 ml.

16. CULTURE AND RECREATION

Radio and Television

The Singapore Broadcasting Corporation (SBC) was established on 1 February 1980 to take over the Broadcasting Department's function of providing radio and television services. Educational and entertainment programmes as well as other types of information are transmitted in the four official languages, namely, Malay, Chinese, Tamil and English. Commercial broadcasting is also incorporated in the services.

SBC operates five radio services - one for each official language and a fifth, the bilingual English/Mandarin FM stereo service. The English and Chinese services have been put on stereo with effect from 1 January 1982. For the Malay and Indian services, the number of hours devoted to stereo programmes have been increased. Broadcasts in

each language service are carried simultaneously on medium wave and FM, as well as on shortwave for overseas listeners.

Television was introduced in Singapore on a single channel on 15 February 1963. A second channel was started on 23 November, 1963. Colour transmission began in mid-1974 and by the end of 1976, both the networks had been fully converted to colour.

Programmes are transmitted on two channels in the four official languages and are usually subtitled in one other language to cater for a greater number of viewers.

Under the Singapore Broadcasting Corporation Act, 1979, a licence has to be obtained by every person using a radio and/or television receiver at any place of residence, premises or in a motor vehicle. A

licence permits the use of one or more television receivers and one or more radios in any one place of residence. The current annual licence fee is \$36 for a monochrome TV set, \$54 for a colour set and \$12 for a radio receiver only.

The Rediffusion Services, a private undertaking, provides direct sound broadcasts via cable to subscribers. The monthly rental fee to subscribers is \$8.50 per set.

Cinema

Data on cinemas are obtained from the Customs and Excise Department. Under the Entertainment Duty Act, all cinemas are liable to pay entertainment duty according to their admission charges. Total attendances are based on the number of admissions.

Library

The National Library, both a national and public library maintained by the Government, provides essential library facilities as well as a variety of cultural, educational and recreational programmes for the community. In addition to the central library at Stamford Road, there are full-time branch libraries in Marine Parade, Queenstown, Toa Payoh and Bukit Merah; part-time branch libraries in Bedok, Whampoa and Jurong and two mobile library vehicles providing weekly services to 10 community centres.

The Library maintains, in addition to the normal stock of books, collections of special interest for research and other purposes as well as periodicals, newspapers, music scores, braille and large print books, etc. The Library also has a microfilm unit and many documents and publications are on microfilm

and microfiche. In January 1983, the Library opened an Arts Resource Centre in the Reference Services Division of the central library. It consists of a collection of books,

periodicals and audio-visual materials ie. slides, cassette tapes, video cassettes, radios, posters and prints, covering various aspects of fine arts.

16.1 RADIO AND TELEVISION LICENCES AND REDIFFUSION SUBSCRIBERS

Number

End of Year	Radio Licences	Radio and Television Licences	Rediffusion Subscribers
1972	70,548	204,847	68,903
1973	69,966	230,652	74,689
1974	67,808	252,207	83,910
1975	64,211	280,479	85,567
1976	60,148	309,276	86,672
1977	58,357	329,119	90,428
1978	57,284	353,248	93,175
1979	58,912	371,692	100,487
1980	62,294	397,155	107,080
1981	66,897	414,535	110,792
1982	73,602	424,089	110,348

Source: Inland Revenue Department
Singapore Broadcasting Corporation
Rediffusion Singapore Pte Ltd

16.2 RADIO AND TELEVISION TRANSMISSION

Hours Per Week

Year	Radio						Television
	Total	AM/FM				FM Stereo	
		Malay	Chinese	Indian	English		
1972	581	133	154	112	126	56	106.5
1973	581	133	154	112	126	56	106.5
1974	560	126	147	105	126	56	106.5
1975	560	126	147	105	126	56	106.5
1976	560	126	147	105	126	56	106.5
1977	560	126	147	105	126	56	104.0
1978	569	135	147	105	126	56	104.0
1979	569	135	147	105	126	56	104.0
1980	639	135	147	105	126	126	113.0
1981	639	135	147	105	126	126	115.0
1982	639	135	147	105	126	126	115.0

Source: Singapore Broadcasting Corporation

16.3 CINEMAS

Year	Cinemas			Total Seating Capacity	Attendances
	Total	Air Conditioned	Other		
	Number			Thousand	
1972	74	44	30	59	36,723
1973	72	52	20	61	31,877
1974	73	52	21	62	40,068
1975	71	50	21	60	41,306
1976	73	54	19	63	38,793
1977	72	54	18	65	43,049
1978	72	56	16	67	44,676
1979	74	60	14	69	46,054
1980	80	67	13	77	40,531
1981	73	63	10	74	36,469
1982	72	63	9	71	35,781

Source: Customs & Excise Department

16.4 BOOKS AT THE NATIONAL LIBRARY

Year	Number				
	Total	Malay	Chinese	Indian	English
1972	585,097	77,371	153,532	43,916	310,278
1973	702,696	90,238	195,915	57,537	359,006
1974	784,660	103,777	224,518	61,841	394,524
1975	877,207	116,603	254,537	69,849	436,218
1976	971,717	129,020	283,792	70,379	488,526
1977	1,062,133	138,669	311,262	72,210	539,992
1978	1,138,803	143,247	329,959	72,592	593,005
1979	1,232,262	158,428	354,568	72,657	646,609
1980	1,352,276	169,530	390,491	73,314	718,941
1981	1,430,753	181,948	409,401	69,801	769,603
1982	1,601,680	202,528	447,000	66,806	885,346

Source: Singapore National Library

16.5 NATIONAL LIBRARY MEMBERSHIP

Number

Year	Total	Persons Aged 15 Years and Over	Children Under 15 Years
1972	218,684	79,555	139,129
1973	236,967	93,270	143,697
1974	275,984	112,639	163,345
1975	296,299	129,457	166,842
1976	319,847	146,993	172,854
1977	341,288	162,850	178,438
1978	335,191	156,298	178,893
1979	342,241	157,830	184,411
1980	371,153	184,032	187,121
1981	445,455	250,863	194,592
1982	540,215	334,755	205,460

Source: Singapore National Library

16.6 DAILY NEWSPAPERS CIRCULATION

Number

Year	Total	English	Chinese	Malay	Others
1972	391,966	140,541	228,552	15,906	6,967
1973	441,806	161,479	252,487	19,989	7,851
1974	422,460	168,038	223,292	23,238	7,892
1975	449,001	187,278	227,307	26,453	7,963
1976	476,983	206,014	235,187	27,935	7,847
1977	501,541	220,105	245,882	27,780	7,774
1978	534,373	232,631	265,338	28,655	7,749
1979	587,690	249,357	299,872	29,832	8,629
1980	615,612	268,601	307,769	32,308	6,934
1981	644,310	283,644	320,367	33,539	6,760
1982	653,336	285,533	326,583	34,025	7,195

PUBLICATIONS BY DEPARTMENT OF STATISTICS

<u>TITLES</u>		<u>Prices in S\$</u> <u>(excluding</u> <u>postage)</u>
1	Monthly Digest of Statistics	3.50
2	Yearbook of Statistics, 1982/83	5.00
3	Singapore Statistical Charts, 1981/82	11.00
*4	Singapore Annual Key Indicators, 1973-1982	2.10
5	Singapore Trade Statistics, Imports & Exports (Monthly) (wef January 1980)	23.00
6	Report on the Census of Industrial Production, 1981	8.00
7	Singapore Manufacturers and Products Directory, 1982	8.00
8	Report on the Census of Population, 1970, Singapore Volume I & II	40.00
9	The Consumer Price Index, Singapore (Based on Household Expenditure Survey, 1972/73)	2.00
10	Report on the Household Expenditure Survey, 1972/73	3.50
11	The General Wholesale Price Index of Singapore	2.00
12	Report on Survey of Households, April 1977	5.00
13	The Consumer Price Index, Singapore (Based on Household Expenditure Survey, 1977/78)	2.00
14	Report on the Household Expenditure Survey, 1977/78	5.00
15	Singapore National Accounts, 1960-1973	2.50
16	Singapore Balance of Payments, 1972-1974	2.00
17	Singapore Input-Output Tables, 1973	10.00
18	Singapore Input-Output Tables, 1978	12.00
*19	Shipping and Cargo Statistics (Monthly)	2.10
*20	Air Transport Statistics (Monthly)	3.00
21	Report on the Census of Services, 1972	2.50
22	Report on the Census of Wholesale and Retail Trades, Restaurants and Hotels, 1973	4.00
23	Report on the Census of Services, 1974 Volume I Real Estate, Business, Social and Personal Services	3.00
24	Report on the Census of Services, 1974 Volume II Transport, Storage, Communication, Financing and Insurance Services and Non-Profit Organisations	5.00
25	Report on the Census of Wholesale and Retail Trades, Restaurants and Hotels, 1975	4.00
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27	Report on the Survey of Wholesale and Retail Trades, Restaurants and Hotels, 1977	7.00
28	Report on the Survey of Services, 1978	9.50
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30	Report on the Survey of Services, 1980	13.00
31	Singapore Standard Occupational Classification, 1978	6.50
32	Singapore Standard Industrial Classification, 1978	4.00
33	Census of Population 1980, Singapore, Release No. 1, 2, 3; each	4.00
34	Census of Population 1980, Singapore, Release No. 4, 5; each	8.00
35	Census of Population 1980, Singapore, Release No. 6, 7, 8, 9; each	5.00
36	Statistics on Marriages, 1981	5.00
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