

Singapore Yearbook of Manpower Statistics



2021
edition

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SINGAPORE YEARBOOK OF MANPOWER
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PREFACE

The “Singapore Yearbook of Manpower Statistics” contains a wide range of statistics on the labour market. These include key data on the labour force, job vacancy, wages, retrenchment, labour turnover, hours worked, conditions of employment, labour relations, workplace safety and health, higher education and skills training. Wherever possible, time-series data from 2010 to 2020 are included. This Yearbook is the 45th edition published by the Manpower Research and Statistics Department of the Ministry of Manpower.

We hope this Yearbook will meet the needs of users for up-to-date and comprehensive manpower statistics. The contents and presentation of the Yearbook are reviewed regularly.

We wish to thank the various government agencies, statutory boards and private organisations for their contributions to this publication. We are also grateful to those who have offered valuable comments and suggestions to improve the Yearbook.

ANG BOON HENG

Director

Manpower Research and Statistics Department

Ministry of Manpower

June 2021



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Notations

- : nil or negligible
n.a. : not available / not applicable

Abbreviations

AME	: Average (Mean) Monthly Earnings
CET	: Continuing Education and Training
CMS	: Career Matching Service
CPF	: Central Provident Fund
e2i	: Employment and Employability Institute
IAC	: Industrial Arbitration Court
ISC	: ITE Skills Certificate
ITE	: Institute of Technical Education
MOE	: Ministry of Education
MOM	: Ministry of Manpower
Nitec	: National ITE Certificate
NP	: Ngee Ann Polytechnic
NTI	: Nanyang Technological Institute
NTU	: Nanyang Technological University
NTUC	: National Trades Union Congress
NUS	: National University of Singapore
NYP	: Nanyang Polytechnic
Off-JT	: Off-the-Job Training
OJT	: On-the-Job Training
PCP	: Professional Conversion Programme
PET	: Pre-employment Training
PMETs	: Professionals, Managers, Executives and Technicians
RP	: Republic Polytechnic
SHARP	: SUTD Honours and Research Programme
SIM	: Singapore Institute of Management
SIT	: Singapore Institute of Technology
SMU	: Singapore Management University
SP	: Singapore Polytechnic
SSG	: SkillsFuture Singapore
SSIC	: Singapore Standard Industrial Classification
SSOC	: Singapore Standard Occupational Classification

Abbreviations *(continued)*

STEP	: SUTD Technology Entrepreneurship Programme
SUSS	: Singapore University of Social Sciences
SUTD	: Singapore University of Technology and Design
TADM	: Tripartite Alliance for Dispute Management
TP	: Temasek Polytechnic
WSDip	: Work-Study Diploma
WSG	: Workforce Singapore
WSQ	: Workforce Skills Qualification



Labour Force



LABOUR FORCE

Source of Data

Statistics on the Labour Force, Employed and Unemployed Persons are compiled from the Labour Force Survey conducted by the Manpower Research and Statistics Department of the Ministry of Manpower.

The objective of the survey is to collect data on the economic activities of the population, including detailed information on employment and unemployment as well as characteristics of persons in and outside the labour force.

The survey covers a sample of private households in Singapore. It excludes workers living in construction worksites, dormitories and workers' quarters at the workplace and persons commuting from abroad to work in Singapore. Estimates of the total labour force are derived by combining data on residents obtained from the survey with foreign employment data compiled from administrative records.

Concepts and Definitions

The **reference period** refers to the week preceding the date of the survey interview.

Employed Persons refer to persons aged fifteen years and over who during the reference period:

- i) work for one hour or more either for pay or profit; or
- ii) have a job or business to return to but are temporarily absent because of illness, injury, breakdown of machinery at workplace, labour management dispute or other reasons.

Members of the Singapore Armed Forces including full-time National Servicemen are included in the persons employed, unless otherwise specified.

Unemployed Persons refer to persons aged fifteen years and over who are not working but are actively looking for a job and available for work during the reference period. They include persons who are not working but are taking steps to start their own business or taking up a new job after the reference period.

Labour Force refers to persons aged fifteen years and over who are either employed (i.e. working) or unemployed (i.e. actively looking for job and available for work) during the reference period.

The **Labour Force Participation Rate** is defined as the percentage of the labour force to the population.

The **Unemployment Rate** is defined as the percentage of unemployed persons to the labour force.

A.1 LABOUR FORCE, EMPLOYED, UNEMPLOYED AND UNEMPLOYMENT RATE, 2010 – 2020 (JUNE)

June	Labour Force ('000)		Employed ('000)		Unemployed ('000)		Unemployment Rate (%) (Non-Seasonally Adjusted)		Unemployment Rate (%) (Seasonally Adjusted)	
	Total	Residents	Total	Residents	Total	Residents	Total	Residents	Total	Residents
2010	3,135.9	2,047.3	3,047.2	1,962.9	88.8	84.4	2.8	4.1	2.2	3.1
2011	3,237.1	2,080.1	3,149.7	1,998.9	87.4	81.2	2.7	3.9	2.0	2.9
2012	3,361.8	2,119.6	3,274.7	2,040.6	87.1	79.0	2.6	3.7	1.9	2.8
2013	3,443.7	2,138.8	3,352.9	2,056.1	90.7	82.6	2.6	3.9	2.0	2.9
2014	3,530.8	2,185.2	3,440.2	2,103.5	90.7	81.8	2.6	3.7	1.9	2.8
2015	3,610.6	2,232.3	3,516.0	2,147.8	94.6	84.5	2.6	3.8	2.0	2.8
2016	3,672.8	2,257.6	3,570.0	2,165.3	102.8	92.3	2.8	4.1	2.1	3.0
2017	3,657.0	2,269.7	3,550.1	2,175.3	106.9	94.4	2.9	4.2	2.2	3.1
2018	3,675.6	2,292.7	3,575.3	2,203.7	100.2	89.0	2.7	3.9	2.1	2.9
2019	3,742.5	2,328.5	3,631.7	2,230.4	110.8	98.1	3.0	4.2	2.2	3.1
2020	3,713.9	2,345.5	3,574.0	2,222.6	139.9	122.9	3.8	5.2	2.8	3.8

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

Notes :

1) The seasonally adjusted unemployment figures are subject to annual revisions when the latest set of seasonal factors is updated, taking into account observations for the latest available year. Users are advised to check our website, <http://stats.mom.gov.sg>, for the most up-to-date data.

2) Figures for 2019 have been updated to include employment figures for those on pre-approved LOC (Letter of Consent).

A.2 KEY CHARACTERISTICS OF RESIDENT LABOUR FORCE, 2010 – 2020 (JUNE)

June	Labour Force Participation Rate (%) (Aged 15 & Over)			Employment Rate (%) (Aged 15 & Over)			Employment Rate (%) (Aged 25 – 64)		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
2010	66.2	76.5	56.5	63.5	73.5	54.0	77.1	88.8	66.1
2011	66.1	75.6	57.0	63.5	72.9	54.5	78.0	89.1	67.4
2012	66.6	76.0	57.7	64.1	73.4	55.3	78.8	89.7	68.5
2013	66.7	75.8	58.1	64.1	73.2	55.6	79.0	89.3	69.2
2014	67.0	75.9	58.6	64.5	73.3	56.2	79.7	89.3	70.5
2015	68.3	76.7	60.4	65.7	73.9	58.0	80.5	89.8	71.8
2016	68.0	76.2	60.4	65.3	73.3	57.7	80.3	89.0	72.1
2017	67.7	76.0	59.8	64.9	73.0	57.2	80.7	89.4	72.4
2018	67.7	75.6	60.2	65.1	72.8	57.8	80.3	88.9	72.3
2019	68.0	75.4	61.1	65.2	72.4	58.3	80.8	88.8	73.3
2020	68.1	75.4	61.2	64.5	71.7	57.7	80.3	87.9	73.2

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

A.3 RESIDENT LABOUR FORCE AGED FIFTEEN YEARS AND OVER BY AGE, LABOUR FORCE STATUS AND SEX, JUNE 2020

Thousands

Age (Years)	Total			Employed			Unemployed		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
TOTAL	2,345.5	1,260.1	1,085.4	2,222.6	1,198.1	1,024.6	122.9	62.0	60.8
15 – 19	30.1	19.1	11.1	26.3	18.1	8.2	3.8	1.0	2.8
20 – 24	135.7	67.9	67.7	115.9	60.3	55.5	19.8	7.6	12.2
25 – 29	247.6	121.1	126.5	230.6	110.8	119.8	17.0	10.3	6.7
30 – 34	261.5	130.9	130.6	252.3	126.5	125.8	9.2	4.4	4.8
35 – 39	272.5	137.2	135.3	261.7	132.5	129.2	10.8	4.7	6.1
40 – 44	269.2	141.2	128.0	259.2	136.9	122.3	9.9	4.3	5.7
45 – 49	277.9	151.2	126.7	266.3	145.6	120.7	11.6	5.6	6.0
50 – 54	248.7	137.9	110.8	237.1	131.4	105.7	11.6	6.5	5.1
55 – 59	235.3	134.3	101.0	224.5	128.3	96.2	10.8	6.0	4.8
60 – 64	181.9	106.6	75.3	173.7	101.3	72.4	8.2	5.4	2.8
65 – 69	109.2	65.3	43.9	102.9	61.7	41.2	6.3	3.6	2.7
70 & Over	75.9	47.3	28.6	72.2	44.7	27.6	3.7	2.6	1.0

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

Note :
Data may not add up to the total due to rounding.

A.4 RESIDENT LABOUR FORCE AGED FIFTEEN YEARS AND OVER BY HIGHEST QUALIFICATION ATTAINED AND SEX, 2010 AND 2020 (JUNE)

Thousands

Highest Qualification Attained	2010			2020		
	Total	Males	Females	Total	Males	Females
TOTAL	2,047.3	1,151.6	895.7	2,345.5	1,260.1	1,085.4
Below Secondary	455.3	270.6	184.8	334.8	192.8	142.0
Secondary	410.3	212.7	197.6	360.8	180.8	180.0
Post-Secondary (Non-Tertiary)	246.0	154.0	92.0	269.3	166.0	103.2
Diploma & Professional Qualification	370.3	202.6	167.7	464.3	250.6	213.7
Degree	565.4	311.7	253.6	916.3	469.8	446.5

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

Note :
Data may not add up to the total due to rounding.

A.5 EMPLOYED RESIDENTS AGED FIFTEEN YEARS AND OVER BY INDUSTRY, AGE AND SEX, JUNE 2020

Thousands

SSIC 2020	Industry	Total			15 – 19			20 – 29		
		Total	Males	Females	Total	Males	Females	Total	Males	Females
	TOTAL	2,222.6	1,198.1	1,024.6	26.3	18.1	8.2	346.4	171.2	175.3
C10-32	Manufacturing	213.0	135.1	77.9	1.2	0.6	0.5	22.1	13.1	9.0
F41-43	Construction	97.2	68.9	28.3	0.2	0.1	0.1	8.0	4.4	3.6
G-U	Services	1,891.3	978.6	912.7	24.9	17.3	7.5	314.3	152.4	161.9
G46-47	Wholesale & Retail Trade	335.1	167.6	167.5	2.0	0.6	1.4	38.4	16.2	22.2
H49-53	Transportation & Storage	214.8	162.2	52.6	1.1	0.7	0.4	24.8	15.4	9.4
I55-56	Accommodation & Food Services	128.9	55.9	73.0	3.9	1.9	2.0	16.6	7.5	9.1
J58-63	Information & Communications	111.4	66.4	45.0	0.7	0.3	0.4	24.2	11.9	12.3
K64-66	Financial & Insurance Services	207.9	100.1	107.8	0.7	0.2	0.5	36.2	16.2	20.1
L68	Real Estate Services	49.8	23.9	25.9	0.1	0.1	0.1	5.1	1.8	3.3
M69-75	Professional Services	181.4	96.6	84.8	0.9	0.5	0.4	33.5	13.5	20.0
N77-82	Administrative & Support Services	128.3	75.3	53.0	0.8	0.3	0.5	13.6	7.1	6.4
O84,P85	Public Administration & Education	293.9	155.9	138.0	13.1	12.3	0.9	76.0	52.2	23.8
Q86-88	Health & Social Services	139.9	31.8	108.1	0.7	0.2	0.5	32.2	4.9	27.3
R90-93	Arts, Entertainment & Recreation	34.4	17.1	17.3	0.4	0.2	0.2	6.5	3.1	3.4
S94-U99	Other Community, Social & Personal Services	65.4	25.8	39.7	0.3	-	0.3	7.2	2.5	4.7
A,B,D,E	Others¹	21.2	15.5	5.7	0.1	0.1	0.1	2.1	1.3	0.8

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Note :

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

A.5 EMPLOYED RESIDENTS AGED FIFTEEN YEARS AND OVER BY INDUSTRY, AGE AND SEX, JUNE 2020 (continued)

Thousands

SSIC 2020	Industry	30 – 39			40 – 49			50 – 59			60 & Over		
		Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females
	TOTAL	513.9	258.9	255.0	525.5	282.6	243.0	461.5	259.7	201.9	348.9	207.7	141.2
C10-32	Manufacturing	41.4	25.0	16.5	60.0	38.4	21.5	55.6	36.2	19.4	32.8	21.7	11.0
F41-43	Construction	19.7	12.9	6.8	22.0	15.8	6.3	28.5	21.5	7.0	18.8	14.2	4.6
G-U	Services	448.0	217.4	230.5	438.5	224.8	213.6	372.1	197.8	174.2	293.6	168.8	124.9
G46-47	Wholesale & Retail Trade	72.5	34.8	37.7	85.3	42.8	42.6	76.7	39.1	37.6	60.1	34.1	26.0
H49-53	Transportation & Storage	40.0	26.7	13.3	45.7	33.7	12.0	55.8	44.7	11.1	47.5	41.0	6.5
I55-56	Accommodation & Food Services	21.7	9.3	12.4	21.6	9.7	11.9	29.9	12.1	17.8	35.2	15.4	19.9
J58-63	Information & Communications	35.7	21.7	14.0	31.9	20.2	11.7	13.8	9.6	4.2	5.0	2.6	2.4
K64-66	Financial & Insurance Services	64.4	30.9	33.5	58.6	28.6	30.0	33.4	16.3	17.1	14.6	8.0	6.6
L68	Real Estate Services	11.1	4.8	6.3	13.5	6.6	6.9	10.6	5.4	5.2	9.4	5.2	4.2
M69-75	Professional Services	50.8	25.9	25.0	47.3	25.6	21.7	31.8	19.8	12.0	17.1	11.3	5.8
N77-82	Administrative & Support Services	20.3	11.8	8.5	22.2	13.0	9.2	30.7	17.9	12.7	40.7	25.2	15.6
O84,P85	Public Administration & Education	74.3	34.2	40.0	64.2	29.4	34.8	42.5	17.5	25.0	23.7	10.3	13.5
Q86-88	Health & Social Services	35.9	8.8	27.1	26.3	5.7	20.6	24.9	5.9	19.0	20.0	6.3	13.7
R90-93	Arts, Entertainment & Recreation	9.7	4.9	4.8	7.6	3.8	3.8	6.0	3.2	2.8	4.2	1.9	2.3
S94-U99	Other Community, Social & Personal Services	11.7	3.6	8.1	14.1	5.7	8.4	16.0	6.3	9.7	16.2	7.7	8.5
A,B,D,E	Others¹	4.9	3.7	1.2	5.1	3.5	1.6	5.4	4.1	1.3	3.7	3.0	0.7

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Note :

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

A.6 EMPLOYED RESIDENTS AGED FIFTEEN YEARS AND OVER BY OCCUPATION, AGE AND SEX, JUNE 2020

Thousands

Occupation (SSOC 2020)	Total			15 – 19			20 – 29		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
TOTAL	2,222.6	1,198.1	1,024.6	26.3	18.1	8.2	346.4	171.2	175.3
Managers & Administrators (Including Working Proprietors)	368.3	231.4	136.9	-	-	-	10.0	5.2	4.8
Professionals	504.2	260.5	243.7	0.1	-	0.1	87.5	35.2	52.3
Associate Professionals & Technicians	458.2	231.7	226.5	1.7	0.6	1.0	106.9	45.5	61.4
Clerical Support Workers	215.6	51.7	163.9	3.5	1.2	2.3	41.3	12.4	28.9
Service & Sales Workers	252.3	107.6	144.7	6.1	2.4	3.7	39.8	17.6	22.2
Craftsmen & Related Trades Workers	62.5	53.7	8.7	0.4	0.1	0.3	6.1	5.1	1.1
Plant & Machine Operators & Assemblers	151.7	137.2	14.5	0.8	0.7	0.1	10.4	9.5	0.9
Cleaners, Labourers & Related Workers	149.5	65.3	84.2	1.8	1.0	0.7	7.5	4.3	3.2
Others ¹	60.4	59.0	1.4	12.0	12.0	-	36.9	36.5	0.4

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' includes Agricultural & Fishery Workers and Workers Not Elsewhere Classified.

Note :

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

A.6 EMPLOYED RESIDENTS AGED FIFTEEN YEARS AND OVER BY OCCUPATION, AGE AND SEX, JUNE 2020 (continued)

Thousands

Occupation (SSOC 2020)	30 – 39			40 – 49			50 – 59			60 & Over		
	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females
TOTAL	513.9	258.9	255.0	525.5	282.6	243.0	461.5	259.7	201.9	348.9	207.7	141.2
Managers & Administrators (Including Working Proprietors)	92.0	51.5	40.5	136.5	84.6	51.9	89.5	59.7	29.8	40.2	30.4	9.8
Professionals	179.7	89.3	90.4	139.2	76.0	63.3	70.9	43.1	27.9	26.8	17.0	9.8
Associate Professionals & Technicians	128.5	63.7	64.7	103.9	54.9	49.0	77.4	42.8	34.6	39.8	24.1	15.7
Clerical Support Workers	36.2	7.7	28.5	43.6	7.3	36.2	51.9	11.5	40.4	39.2	11.6	27.7
Service & Sales Workers	42.8	19.1	23.6	44.4	16.9	27.4	59.2	22.3	36.9	60.1	29.3	30.8
Craftsmen & Related Trades Workers	5.5	4.9	0.7	11.3	9.8	1.5	19.9	17.4	2.5	19.2	16.4	2.7
Plant & Machine Operators & Assemblers	16.2	14.3	1.9	27.8	24.1	3.7	48.8	44.0	4.9	47.7	44.6	3.1
Cleaners, Labourers & Related Workers	8.3	4.1	4.3	16.3	6.5	9.8	41.7	16.9	24.8	74.0	32.6	41.4
Others ¹	4.8	4.3	0.5	2.6	2.4	0.2	2.1	2.0	0.2	1.9	1.7	0.2

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' includes Agricultural & Fishery Workers and Workers Not Elsewhere Classified.

Note :

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

A.7 EMPLOYED RESIDENTS AGED FIFTEEN YEARS AND OVER BY INDUSTRY AND OCCUPATION, JUNE 2020

Thousands

SSIC 2020	Industry	Total	Managers & Administrators (Including Working Proprietors)	Professionals	Associate Professionals & Technicians	Clerical Support Workers	Service & Sales Workers	Craftsmen & Related Trades Workers	Plant & Machine Operators & Assemblers	Cleaners, Labourers & Related Workers	Others ²
	TOTAL	2,222.6	368.3	504.2	458.2	215.6	252.3	62.5	151.7	149.5	60.4
C10-32	Manufacturing	213.0	37.0	51.1	50.5	21.5	6.9	18.2	16.4	11.3	0.1
F41-43	Construction	97.2	20.4	17.2	20.3	11.9	1.5	16.1	4.9	4.9	0.1
G-U	Services	1,891.3	308.3	430.6	381.6	180.5	243.4	26.8	128.7	131.4	59.9
G46-47	Wholesale & Retail Trade	335.1	79.5	49.1	68.7	36.2	64.9	9.6	13.6	13.3	0.3
H49-53	Transportation & Storage	214.8	15.5	17.8	32.6	23.0	11.3	2.7	99.5	12.4	-
I55-56	Accommodation & Food Services	128.9	9.2	2.8	13.3	9.4	57.3	1.0	1.8	33.9	0.1
J58-63	Information & Communications	111.4	32.5	42.9	23.0	8.2	1.6	0.7	1.1	1.3	0.1
K64-66	Financial & Insurance Services	207.9	54.1	70.8	47.1	23.0	5.6	1.4	2.6	3.4	-
L68	Real Estate Services	49.8	6.1	6.7	25.6	4.7	1.9	1.3	0.4	3.0	0.1
M69-75	Professional Services	181.4	43.2	67.9	41.8	17.5	3.0	2.6	2.1	3.4	-
N77-82	Administrative & Support Services	128.3	12.3	11.6	17.2	12.6	28.8	3.3	3.2	37.6	1.7
O84,P85	Public Administration & Education	293.9	31.7	96.8	63.8	16.9	20.2	0.6	0.4	5.9	57.7
Q86-88	Health & Social Services	139.9	11.3	51.8	27.3	16.8	22.0	0.2	1.5	9.0	-
R90-93	Arts, Entertainment & Recreation	34.4	4.5	4.8	9.6	3.6	9.3	0.8	0.2	1.5	0.1
S94-U99	Other Community, Social & Personal Services	65.4	8.5	7.5	11.9	8.3	17.4	2.8	2.2	6.8	-
A,B,D,E	Others¹	21.2	2.6	5.3	5.7	1.8	0.5	1.4	1.8	1.9	0.3

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' industry includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.² 'Others' occupation includes Agricultural & Fishery Workers and Workers Not Elsewhere Classified.

Note :

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

A.8 RESIDENT LABOUR FORCE PARTICIPATION RATE BY AGE AND SEX, 2010 AND 2020 (JUNE)

Per Cent

Age (Years)	2010			2020		
	Total	Males	Females	Total	Males	Females
TOTAL	66.2	76.5	56.5	68.1	75.4	61.2
15 – 19	15.4	17.5	13.1	13.8	16.8	10.6
20 – 24	65.8	66.2	65.3	56.0	54.9	57.3
25 – 29	89.4	93.3	85.7	90.4	89.7	91.1
30 – 34	89.0	97.7	81.3	92.3	96.8	88.2
35 – 39	86.2	98.0	75.2	90.4	97.2	84.4
40 – 44	84.4	96.8	72.7	89.0	97.4	81.4
45 – 49	82.4	96.1	68.9	87.4	96.1	78.8
50 – 54	78.6	92.6	64.9	82.2	93.2	71.6
55 – 59	68.3	85.0	51.7	75.9	87.1	64.8
60 – 64	51.0	67.5	35.4	65.0	77.8	52.6
65 – 69	30.9	43.7	19.1	48.7	59.8	38.2
70 & Over	11.0	17.9	6.0	19.4	27.5	13.1

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

A.9 UNEMPLOYED RESIDENTS AGED FIFTEEN YEARS AND OVER BY SEX, AGE AND HIGHEST QUALIFICATION ATTAINED, 2010 – 2020
(Annual Average)

Characteristics	Thousands										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	64.8	60.6	60.0	59.8	61.2	62.5	67.4	70.9	66.9	72.9	96.4
Sex											
Males	34.0	30.6	31.2	32.1	31.8	33.2	36.2	38.4	35.4	37.0	48.9
Females	30.8	30.0	28.8	27.7	29.4	29.2	31.2	32.6	31.5	35.8	47.5
Age (Years)											
15 – 29	23.7	21.0	21.1	21.3	22.1	22.2	21.8	22.6	21.6	23.1	27.9
30 – 39	12.1	12.6	11.9	11.2	11.5	9.9	11.9	12.6	11.5	11.5	16.4
40 – 49	13.7	11.3	11.4	11.7	11.4	12.6	12.8	13.7	12.6	14.1	19.7
50 & Over	15.3	15.6	15.7	15.6	16.3	17.8	20.9	22.0	21.1	24.1	32.4
Highest Qualification Attained											
Below Secondary	16.0	12.8	11.9	10.7	11.1	10.6	10.1	10.9	9.7	10.9	14.3
Secondary	14.8	14.9	12.4	11.9	11.6	11.3	12.3	11.1	11.0	13.3	17.1
Post-Secondary (Non-Tertiary)	7.8	7.4	7.7	7.9	6.4	7.4	7.5	8.9	8.0	8.0	11.3
Diploma & Professional Qualification	10.4	10.1	11.1	10.7	12.1	12.5	13.2	14.1	13.8	15.2	21.5
Degree	15.8	15.4	17.0	18.6	20.1	20.6	24.2	25.9	24.4	25.4	32.2

Source : Labour Force Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Annual figures are the simple averages of the non-seasonally adjusted unemployment figures obtained at quarterly intervals.
- 2) Data may not add up to the total due to rounding.

A.10 RESIDENT UNEMPLOYMENT RATE BY SEX, AGE AND HIGHEST QUALIFICATION ATTAINED, 2010 – 2020
(Annual Average)

Characteristics	Per Cent										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	3.1	2.9	2.8	2.8	2.7	2.8	3.0	3.1	2.9	3.1	4.1
Sex											
Males	3.0	2.6	2.7	2.7	2.7	2.7	3.0	3.1	2.9	3.0	3.9
Females	3.4	3.2	3.1	2.9	2.9	2.9	3.0	3.1	3.0	3.4	4.4
Age (Years)											
15 – 29	5.5	5.0	5.1	5.2	5.2	5.1	5.0	5.4	5.2	5.9	7.5
30 – 39	2.3	2.4	2.2	2.2	2.2	1.9	2.3	2.4	2.2	2.2	3.0
40 – 49	2.6	2.1	2.1	2.2	2.1	2.4	2.4	2.5	2.3	2.5	3.4
50 & Over	2.7	2.5	2.4	2.3	2.3	2.4	2.7	2.8	2.6	2.9	3.9
Highest Qualification Attained											
Below Secondary	3.4	2.8	2.6	2.4	2.5	2.5	2.4	2.6	2.5	2.9	4.1
Secondary	3.3	3.5	2.9	2.9	2.8	2.7	3.1	2.8	2.8	3.5	4.6
Post-Secondary (Non-Tertiary)	3.8	3.2	3.5	3.5	2.7	3.0	3.2	3.8	3.4	3.6	4.9
Diploma & Professional Qualification	2.9	2.7	2.8	2.7	2.9	2.9	3.1	3.3	3.1	3.3	4.7
Degree	2.8	2.6	2.7	2.8	2.9	2.8	3.1	3.2	2.9	2.9	3.5

Source : Labour Force Survey, Manpower Research & Statistics Department, MOM

Note :

Annual figures are the simple averages of the non-seasonally adjusted unemployment figures obtained at quarterly intervals.

Income, Wages And Earnings



INCOME, WAGES AND EARNINGS

Source of Data

Statistics on Gross Monthly Income From Work are compiled from the Comprehensive Labour Force Survey conducted by the Manpower Research and Statistics Department of the Ministry of Manpower. The survey covers a sample of private households in Singapore. It excludes workers living in construction worksites, dormitories and workers' quarters at the workplace and persons commuting from abroad to work in Singapore.

Statistics on Annual Wage Changes are compiled from the Survey on Annual Wage Changes conducted by the Manpower Research and Statistics Department of the Ministry of Manpower. The survey covers private sector establishments with at least 10 employees. The data collected pertain to full-time resident employees in continuous employment of at least one year.

Statistics on Average (Mean) Monthly Earnings are compiled based on the payroll of contributors to the Central Provident Fund (CPF). The data cover full-time and part-time employees who have CPF contributions. They exclude identifiable self-employed persons who have made CPF contributions.

Statistical Note

Gross Monthly Income From Work (Table B.1 – B.4)

Gross Monthly Income From Work is the widest measure of income from employment, covering both employees and the self-employed. For an indication of workers' economic well-being or how much a typical worker in Singapore is earning, users may look at the median income. This is the income of the worker in the middle of the income distribution, i.e. half of the workers earned more than this income and half, less.

While the growth in median income from work is a measurement of the progress in income of the employed pool as a whole, year-on-year income changes which are derived from a sample survey are prone to fluctuations and hence should always be interpreted with caution. Income growth studied over longer periods (e.g. 5 or 10 years) smooths out these fluctuations and hence provides a more direct indication of income growth.

When determining how workers' income has changed over time, it is also more meaningful to focus on the income growth among those in full-time

employment. This will avoid clouding the income trends with the changing mix of full-timers and part-timers among employed persons, as part-time work involves shorter working hours and correspondingly lower income. Moreover, full-timers form the bulk of workers in Singapore.

Annual Wage Changes

(Table B.5 – B.7)

If interest is in wage increases over the year that employers give, then look at the annual wage changes. This indicator provides a breakdown of changes in total wages (Table B.5) into basic wages (Table B.6) and bonuses (Table B.7) by industry.

The data refer to wage changes that employers give their full-time resident employees in continuous employment of at least one year.

Average (Mean) Monthly Earnings

(Table B.8)

Available quarterly, Average (Mean) Monthly Earnings (AME) provides a timely rough gauge of average wage movement. However, the AME can be influenced by the changing mix of full-time and part-time workers and variations in overtime as the data are compiled based on the payroll of contributors to the Central Provident Fund (CPF) which do not allow for breakdown separately to full-timers and part-timers.

Also, as AME pertains to mean earnings, it can be skewed upwards by a small number of very high income earners. For income of a typical worker, users should refer to the median Gross Monthly Income From Work and for wage growth of employees over a year users can refer to the Annual Wage Changes.

Concepts and Definitions

Gross Monthly Income From

Work refers to income earned from employment. For employees, it refers to the gross monthly wages or salaries before deduction of employee CPF contributions and personal income tax. It comprises basic wages, overtime pay, commissions, tips, other allowances and one-twelfth of annual bonuses. For self-employed persons, gross monthly income refers to the average monthly profits from their business, trade or profession (i.e. total receipts less business expenses incurred) before deduction of income tax.

Median (50th Percentile) Income

refers to the income level at the middle of the income distribution which divides the bottom half of income earners from the upper half.

20th Percentile Income refers to the income level which divides the bottom 20% of income earners from the rest.

Total Wages refers to the sum of basic wages and bonuses.

Basic Wages refers to the basic pay before deduction of employee CPF contributions and personal income tax. It excludes employer CPF contributions, bonuses, overtime payments, commissions, allowances.

Annual Variable Component usually consists of two components i.e. Annual Wage Supplement (also known as 13th month) and variable bonus.

Average (Mean) Monthly Earnings refers to all remuneration received before deduction of the employee Central Provident Fund (CPF) contributions and personal income tax. It comprises basic wages, overtime pay, commissions, allowances and bonuses but exclude employer CPF contributions.

B.1 GROSS MONTHLY INCOME FROM WORK OF FULL-TIME EMPLOYED RESIDENTS AGED FIFTEEN YEARS AND OVER, 2010 – 2020 (JUNE)

Dollars

June	Including Employer CPF		Excluding Employer CPF	
	Median (50th Percentile)	20th Percentile	Median (50th Percentile)	20th Percentile
2010	3,000	1,600	2,708	1,500
2011	3,249	1,733	2,925	1,500
2012	3,480	1,740	3,000	1,563
2013	3,705	1,885	3,250	1,700
2014	3,770	1,972	3,276	1,750
2015	3,949	2,012	3,467	1,800
2016	4,056	2,106	3,500	1,950
2017	4,232	2,200	3,749	2,000
2018	4,437	2,340	3,800	2,000
2019	4,563	2,457	4,000	2,167
2020	4,534	2,340	4,000	2,033

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data exclude Full-Time National Servicemen.
- 2) Full-time employment (excluding full-time National Servicemen) refers to employment where the normal hours of work is at least 35 hours per week.
- 3) Gross Monthly Income From Work refers to income earned from employment. For employees, it refers to the gross monthly wages or salaries before deduction of employee CPF contributions and personal income tax. It comprises basic wages, overtime pay, commissions, tips, other allowances and one-twelfth of annual bonuses. For self-employed persons, gross monthly income refers to the average monthly profits from their business, trade or profession (i.e. total receipts less business expenses incurred) before deduction of income tax.
- 4) As data are captured from a sample survey, year-on-year income changes are prone to fluctuations and hence should always be interpreted with caution. Income growth studied over longer periods (e.g. 5 or 10 years) smooths out these fluctuations and hence provides a more direct indication of income growth.

**B.2 MEDIAN GROSS MONTHLY INCOME FROM WORK OF EMPLOYED RESIDENTS AGED FIFTEEN YEARS AND OVER
BY NATURE OF EMPLOYMENT AND SEX, 2010 – 2020 (JUNE)**
(Exclude Full-Time National Servicemen)
(TOTAL)

Dollars

June	Including Employer CPF			Excluding Employer CPF		
	Total	Full-Time	Part-Time	Total	Full-Time	Part-Time
2010	2,817	3,000	745	2,500	2,708	700
2011	3,000	3,249	800	2,633	2,925	750
2012	3,133	3,480	812	2,800	3,000	800
2013	3,364	3,705	885	3,000	3,250	800
2014	3,444	3,770	928	3,000	3,276	827
2015	3,549	3,949	943	3,125	3,467	850
2016	3,680	4,056	1,000	3,250	3,500	938
2017	3,803	4,232	1,000	3,300	3,749	1,000
2018	3,949	4,437	1,053	3,467	3,800	1,000
2019	4,095	4,563	1,090	3,561	4,000	1,000
2020	4,095	4,534	1,130	3,573	4,000	1,000

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Full-time employment (excluding full-time National Servicemen) refers to employment where the normal hours of work is at least 35 hours per week.
- 2) Gross Monthly Income From Work refers to income earned from employment. For employees, it refers to the gross monthly wages or salaries before deduction of employee CPF contributions and personal income tax. It comprises basic wages, overtime pay, commissions, tips, other allowances and one-twelfth of annual bonuses. For self-employed persons, gross monthly income refers to the average monthly profits from their business, trade or profession (i.e. total receipts less business expenses incurred) before deduction of income tax.
- 3) As data are captured from a sample survey, year-on-year income changes are prone to fluctuations and hence should always be interpreted with caution. Income growth studied over longer periods (e.g. 5 or 10 years) smooths out these fluctuations and hence provides a more direct indication of income growth.

**B.2 MEDIAN GROSS MONTHLY INCOME FROM WORK OF EMPLOYED RESIDENTS AGED FIFTEEN YEARS AND OVER
BY NATURE OF EMPLOYMENT AND SEX, 2010 – 2020 (JUNE)** (continued)
(Exclude Full-Time National Servicemen)
(MALES)

Dollars

June	Including Employer CPF			Excluding Employer CPF		
	Total	Full-Time	Part-Time	Total	Full-Time	Part-Time
2010	3,000	3,159	825	2,708	2,917	800
2011	3,174	3,441	830	2,917	3,000	800
2012	3,451	3,640	885	3,000	3,250	800
2013	3,654	3,915	966	3,250	3,467	900
2014	3,770	4,000	1,000	3,263	3,502	1,000
2015	3,890	4,118	1,000	3,467	3,683	1,000
2016	3,991	4,241	1,075	3,500	3,792	1,000
2017	4,095	4,437	1,075	3,675	3,988	1,000
2018	4,331	4,680	1,090	3,792	4,033	1,000
2019	4,437	4,810	1,170	3,967	4,229	1,017
2020	4,437	4,719	1,177	3,900	4,144	1,100

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Full-time employment (excluding full-time National Servicemen) refers to employment where the normal hours of work is at least 35 hours per week.
- 2) Gross Monthly Income From Work refers to income earned from employment. For employees, it refers to the gross monthly wages or salaries before deduction of employee CPF contributions and personal income tax. It comprises basic wages, overtime pay, commissions, tips, other allowances and one-twelfth of annual bonuses. For self-employed persons, gross monthly income refers to the average monthly profits from their business, trade or profession (i.e. total receipts less business expenses incurred) before deduction of income tax.
- 3) As data are captured from a sample survey, year-on-year income changes are prone to fluctuations and hence should always be interpreted with caution. Income growth studied over longer periods (e.g. 5 or 10 years) smooths out these fluctuations and hence provides a more direct indication of income growth.

**B.2 MEDIAN GROSS MONTHLY INCOME FROM WORK OF EMPLOYED RESIDENTS AGED FIFTEEN YEARS AND OVER
BY NATURE OF EMPLOYMENT AND SEX, 2010 – 2020 (JUNE)** (continued)
(Exclude Full-Time National Servicemen)
(FEMALES)

Dollars

June	Including Employer CPF			Excluding Employer CPF		
	Total	Full-Time	Part-Time	Total	Full-Time	Part-Time
2010	2,481	2,863	692	2,188	2,500	650
2011	2,672	3,099	750	2,383	2,708	700
2012	2,839	3,230	779	2,500	2,828	700
2013	3,016	3,480	836	2,700	3,000	800
2014	3,087	3,518	884	2,708	3,125	800
2015	3,248	3,744	928	2,817	3,250	800
2016	3,382	3,803	936	2,979	3,298	813
2017	3,543	4,027	1,000	3,033	3,500	900
2018	3,627	4,095	1,023	3,150	3,558	1,000
2019	3,803	4,329	1,075	3,250	3,772	1,000
2020	3,803	4,374	1,090	3,267	3,792	1,000

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Full-time employment (excluding full-time National Servicemen) refers to employment where the normal hours of work is at least 35 hours per week.
- 2) Gross Monthly Income From Work refers to income earned from employment. For employees, it refers to the gross monthly wages or salaries before deduction of employee CPF contributions and personal income tax. It comprises basic wages, overtime pay, commissions, tips, other allowances and one-twelfth of annual bonuses. For self-employed persons, gross monthly income refers to the average monthly profits from their business, trade or profession (i.e. total receipts less business expenses incurred) before deduction of income tax.
- 3) As data are captured from a sample survey, year-on-year income changes are prone to fluctuations and hence should always be interpreted with caution. Income growth studied over longer periods (e.g. 5 or 10 years) smooths out these fluctuations and hence provides a more direct indication of income growth.

**B.3 MEDIAN GROSS MONTHLY INCOME FROM WORK OF FULL-TIME EMPLOYED RESIDENTS
AGED FIFTEEN YEARS AND OVER BY INDUSTRY AND SEX, JUNE 2020**
(Exclude Full-Time National Servicemen)

Dollars

Industry (SSIC 2020)		Including Employer CPF			Excluding Employer CPF		
		Total	Males	Females	Total	Males	Females
Total		4,534	4,719	4,374	4,000	4,144	3,792
C	Manufacturing	4,885	5,322	4,015	4,238	4,667	3,467
F	Construction	4,294	4,563	3,664	3,792	4,000	3,174
G-U	Services	4,505	4,680	4,437	4,000	4,050	3,800
	G Wholesale & Retail Trade	4,212	4,652	3,803	3,688	4,000	3,311
	H Transportation & Storage	2,925	2,543	3,861	2,600	2,400	3,358
	I Accommodation & Food Services	2,282	2,535	2,106	2,000	2,250	1,900
	J Information & Communications	6,330	7,020	5,581	5,417	6,000	4,800
	K Financial & Insurance Services	7,020	8,020	6,415	6,050	7,000	5,507
	L Real Estate Services	4,437	4,056	4,723	4,000	3,792	4,052
	M Professional Services	5,850	6,581	5,265	5,167	5,700	4,538
	N Administrative & Support Services	2,748	2,706	2,853	2,446	2,400	2,500
	O,P Public Administration & Education	6,338	6,923	5,704	5,417	5,958	4,963
	Q Health & Social Services	4,129	5,051	3,994	3,552	4,333	3,467
	R Arts, Entertainment & Recreation	3,803	3,978	3,693	3,267	3,467	3,200
	S-U Other Community, Social & Personal Services	2,996	3,060	2,925	2,600	2,813	2,521
A,B,D,E	Others¹	4,437	4,437	4,437	3,958	3,954	4,000

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Full-time employment (excluding full-time National Servicemen) refers to employment where the normal hours of work is at least 35 hours per week.

2) Gross Monthly Income From Work refers to income earned from employment. For employees, it refers to the gross monthly wages or salaries before deduction of employee CPF contributions and personal income tax. It comprises basic wages, overtime pay, commissions, tips, other allowances and one-twelfth of annual bonuses. For self-employed persons, gross monthly income refers to the average monthly profits from their business, trade or profession (i.e. total receipts less business expenses incurred) before deduction of income tax.

**B.4 EMPLOYED RESIDENTS AGED FIFTEEN YEARS AND OVER BY GROSS MONTHLY INCOME FROM WORK
(EXCLUDING EMPLOYER CPF), NATURE OF EMPLOYMENT AND SEX, JUNE 2020**
(Exclude Full-Time National Servicemen)

Gross Monthly Income (Excluding Employer CPF)	Total			Full - Time			Part - Time		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
TOTAL	2,180.4	1,155.8	1,024.6	1,945.8	1,066.4	879.3	234.6	89.4	145.3
Under \$500	47.5	18.9	28.6	12.0	6.7	5.3	35.5	12.2	23.2
\$ 500 - \$ 999	105.8	45.2	60.6	38.6	22.5	16.0	67.2	22.6	44.6
\$ 1,000 - \$ 1,499	202.1	93.7	108.4	138.8	70.5	68.4	63.3	23.2	40.1
\$ 1,500 - \$ 1,999	172.0	87.3	84.7	151.4	78.7	72.6	20.6	8.5	12.1
\$ 2,000 - \$ 2,499	187.4	98.9	88.6	173.1	92.3	80.8	14.3	6.5	7.8
\$ 2,500 - \$ 2,999	157.0	81.9	75.1	149.7	78.4	71.3	7.4	3.6	3.8
\$ 3,000 - \$ 3,999	313.4	159.0	154.4	303.8	155.1	148.7	9.7	3.9	5.7
\$ 4,000 - \$ 4,999	226.1	117.1	109.0	221.3	114.8	106.5	4.7	2.3	2.4
\$ 5,000 - \$ 5,999	179.4	94.9	84.6	174.8	92.4	82.4	4.6	2.5	2.2
\$ 6,000 - \$ 6,999	109.6	61.2	48.5	108.3	60.6	47.6	1.4	0.5	0.8
\$ 7,000 - \$ 7,999	92.3	53.1	39.2	91.3	52.3	38.9	1.0	0.7	0.3
\$ 8,000 - \$ 8,999	76.9	45.8	31.1	75.8	45.2	30.6	1.1	0.5	0.5
\$ 9,000 - \$ 9,999	51.1	29.7	21.3	50.5	29.5	21.0	0.5	0.2	0.4
\$10,000 - \$10,999	57.5	35.7	21.8	56.4	35.1	21.3	1.1	0.6	0.5
\$11,000 - \$11,999	32.0	18.4	13.6	31.6	18.1	13.4	0.4	0.3	0.2
\$12,000 & Over	170.3	115.1	55.2	168.4	114.0	54.5	1.8	1.1	0.7

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Full-time employment (excluding full-time National Servicemen) refers to employment where the normal hours of work is at least 35 hours per week.
- 2) Gross Monthly Income From Work refers to income earned from employment. For employees, it refers to the gross monthly wages or salaries before deduction of employee CPF contributions and personal income tax. It comprises basic wages, overtime pay, commissions, tips, other allowances and one-twelfth of annual bonuses. For self-employed persons, gross monthly income refers to the average monthly profits from their business, trade or profession (i.e. total receipts less business expenses incurred) before deduction of income tax.

B.5 TOTAL WAGE CHANGE BY INDUSTRY, 2010 – 2020

SSIC 2015	Industry	Per Cent										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	TOTAL	5.5	5.3	3.8	5.3	4.9	4.0	3.1	3.8	4.6	3.9	1.2
C10-32	Manufacturing	4.9	4.1	3.7	4.4	4.9	3.1	1.7	4.2	4.2	3.1	1.3
F41-43	Construction	4.4	4.2	3.7	5.2	3.8	3.1	2.1	2.0	2.8	2.6	0.4
G-U	Services	5.8	5.6	3.9	5.5	5.0	4.3	3.5	3.9	4.8	4.2	1.2
G46-47	Wholesale & Retail Trade	5.4	4.6	4.5	5.3	4.4	3.3	2.7	3.3	4.1	3.5	2.0
H49-53	Transportation & Storage	2.5	7.4	1.7	6.0	3.8	4.3	5.1	3.3	4.4	3.3	-3.0
I55-56	Accommodation & Food Services	3.3	4.5	3.4	5.3	3.7	3.2	2.3	3.8	3.9	4.2	0.4
J58-63	Information & Communications	4.7	4.6	4.7	5.5	4.7	2.5	2.7	3.9	5.0	4.9	2.8
K64-66	Financial & Insurance Services	10.0	9.1	4.4	5.3	5.9	5.4	3.9	4.2	6.3	5.6	3.4
L68	Real Estate Services	4.8	5.5	4.4	6.4	6.8	4.1	3.4	3.1	5.0	3.9	0.8
M69-75	Professional Services	8.1	5.6	3.8	4.9	4.0	3.7	3.3	4.3	5.4	4.6	0.3
N77-82	Administrative & Support Services	4.3	3.7	4.7	6.6	8.6	6.5	5.0	4.3	4.5	3.9	0.9
O-U	Community, Social & Personal Services	7.0	5.0	3.9	5.3	5.4	5.1	3.7	4.3	4.9	4.0	1.9

Source : Survey on Annual Wage Changes, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to full-time resident employees in continuous employment of at least one year.
- 2) The survey covers private sector establishments each with at least 10 employees.

B.6 BASIC WAGE CHANGE BY INDUSTRY, 2010 – 2020

SSIC 2015	Industry	Per Cent										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	TOTAL	3.9	4.4	4.5	5.1	4.9	4.2	3.5	3.6	4.0	3.8	2.1
C10-32	Manufacturing	3.6	4.0	4.3	4.6	4.3	3.8	3.1	3.2	4.1	3.6	1.9
F41-43	Construction	3.5	3.9	3.6	5.2	3.8	3.3	2.3	2.6	2.8	2.6	1.8
G-U	Services	4.0	4.5	4.6	5.2	5.1	4.4	3.8	3.7	4.1	4.0	2.2
G46-47	Wholesale & Retail Trade	3.6	4.1	4.2	5.5	4.5	3.7	3.2	3.4	3.8	3.6	2.5
H49-53	Transportation & Storage	2.9	3.8	4.7	5.2	4.3	3.6	3.9	3.3	3.4	3.5	0.1
I55-56	Accommodation & Food Services	2.9	3.8	3.4	5.1	3.9	3.2	2.5	3.9	3.8	4.1	1.8
J58-63	Information & Communications	4.0	4.5	4.6	4.7	4.6	4.0	3.8	3.7	4.1	4.4	2.9
K64-66	Financial & Insurance Services	6.0	7.4	5.1	4.7	5.6	5.3	4.4	4.0	5.3	4.9	3.7
L68	Real Estate Services	3.3	4.1	4.6	6.0	6.7	4.4	3.4	3.6	3.4	3.4	2.1
M69-75	Professional Services	5.7	5.0	4.7	4.8	4.4	4.2	3.8	3.8	4.4	4.3	1.5
N77-82	Administrative & Support Services	2.8	3.5	4.8	6.4	8.5	6.3	4.9	3.9	4.1	3.7	1.9
O-U	Community, Social & Personal Services	4.3	4.2	5.0	4.8	5.4	5.1	4.0	3.9	4.2	3.9	2.6

Source : Survey on Annual Wage Changes, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to full-time resident employees in continuous employment of at least one year.
- 2) The survey covers private sector establishments each with at least 10 employees.

B.7 QUANTUM OF VARIABLE COMPONENT PAID BY INDUSTRY, 2010 – 2020

SSIC 2015	Industry	Months of Basic Wage										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	TOTAL	2.17	2.32	2.19	2.21	2.21	2.17	2.16	2.14	2.06	1.94	1.79
C10-32	Manufacturing	2.60	2.62	2.54	2.37	2.54	2.42	2.25	2.28	2.16	1.96	1.83
F41-43	Construction	1.50	1.59	1.42	1.49	1.46	1.40	1.45	1.27	1.11	1.12	0.78
G-U	Services	2.11	2.31	2.17	2.21	2.19	2.18	2.19	2.17	2.12	2.00	1.86
G46-47	Wholesale & Retail Trade	1.89	2.19	2.15	2.09	1.99	1.96	1.98	1.83	1.86	1.76	1.69
H49-53	Transportation & Storage	2.39	2.88	2.35	2.40	2.39	2.49	2.68	2.65	2.66	2.42	1.99
I55-56	Accommodation & Food Services	1.11	1.20	1.31	1.29	1.10	1.11	1.13	1.08	1.01	0.83	0.68
J58-63	Information & Communications	2.31	2.39	2.32	2.38	2.45	2.27	2.05	2.01	1.89	1.48	1.56
K64-66	Financial & Insurance Services	3.30	3.35	3.12	3.26	3.37	3.38	3.28	3.34	3.13	3.23	3.21
L68	Real Estate Services	1.66	2.08	1.90	1.91	2.08	1.92	1.82	2.28	2.45	2.36	1.85
M69-75	Professional Services	2.17	2.29	2.09	2.14	2.02	2.05	2.03	1.94	1.96	1.85	1.77
N77-82	Administrative & Support Services	1.09	1.05	0.97	1.07	1.14	1.14	1.25	1.38	1.08	0.95	0.81
O-U	Community, Social & Personal Services	2.37	2.46	2.36	2.40	2.46	2.37	2.39	2.44	2.36	2.34	2.14

Source : Survey on Annual Wage Changes, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to full-time resident employees in continuous employment of at least one year.
- 2) The survey covers private sector establishments each with at least 10 employees.
- 3) Data on bonus quantum for a reference year is collected twice. Once during the reference year and once more a year later to facilitate calculation of total wage changes in the same company received by a fixed cohort of employees. This table is based on bonus quantum collected in the reference year.

B.8 AVERAGE (MEAN) MONTHLY EARNINGS PER EMPLOYEE BY SEX, 2010 – 2020
(TOTAL)

	Level (\$)					Change (%) Over Corresponding Period Of Previous Year				
	Annual	1Q	2Q	3Q	4Q	Annual	1Q	2Q	3Q	4Q
2010	4,089	4,310	3,819	3,754	4,474	5.6	3.7	5.8	5.4	7.5
2011	4,334	4,677	4,048	3,956	4,655	6.0	8.5	6.0	5.4	4.0
2012	4,433	4,717	4,162	4,078	4,773	2.3	0.9	2.8	3.1	2.5
2013	4,622	4,948	4,329	4,212	4,998	4.3	4.9	4.0	3.3	4.7
2014	4,727	5,108	4,445	4,314	5,040	2.3	3.2	2.7	2.4	0.8
2015	4,892	5,259	4,611	4,493	5,205	3.5	3.0	3.7	4.1	3.3
2016	5,074	5,483	4,789	4,646	5,379	3.7	4.3	3.9	3.4	3.3
2017	5,229	5,586	4,939	4,795	5,596	3.1	1.9	3.1	3.2	4.0
2018	5,410	5,808	5,119	4,962	5,752	3.5	4.0	3.6	3.5	2.8
2019	5,549	6,005	5,225	5,183	5,783	2.6	3.4	2.1	4.5	0.5
2020	5,629	6,148	5,276	5,214	5,877	1.4	2.4	1.0	0.6	1.6

Source : Derived based on data from Central Provident Fund Board

Notes :

- 1) Average (Mean) Monthly Earnings (AME) refers to all remuneration received before deduction of the employee Central Provident Fund (CPF) contributions and personal income tax. It comprises basic wages, overtime pay, commissions, allowances and bonuses but exclude employer CPF contributions.
- 2) Data cover full-time and part-time employees who have CPF contributions. They exclude identifiable self-employed persons who have made CPF contribution.
- 3) Average (Mean) Monthly Earnings covers employees who contribute to the Central Provident Fund. Available quarterly, AME provides a timely rough gauge of average wage movement. However, the AME can be influenced by the changing mix of full-time and part-time workers and variations in overtime as the data are compiled based on the payroll of contributors to the CPF which do not allow for breakdown separately to full-timers and part-timers. Also, as AME pertains to mean earnings, it can be skewed upwards by a small number of very high income earners. For income of a typical worker, users should refer to the median Gross Monthly Income From Work and for wage growth of employees over a year they can refer to the Annual Wage Changes, both of which are available on MOM's website.

B.8 AVERAGE (MEAN) MONTHLY EARNINGS PER EMPLOYEE BY SEX, 2010 – 2020 (continued)
(MALES)

	Level (\$)					Change (%) Over Corresponding Period Of Previous Year				
	Annual	1Q	2Q	3Q	4Q	Annual	1Q	2Q	3Q	4Q
2010	4,686	4,955	4,380	4,310	5,098	5.6	3.5	5.9	5.3	7.8
2011	4,964	5,351	4,653	4,546	5,304	5.9	8.0	6.2	5.5	4.0
2012	5,080	5,418	4,778	4,688	5,436	2.3	1.3	2.7	3.1	2.5
2013	5,291	5,661	4,978	4,844	5,682	4.2	4.5	4.2	3.3	4.5
2014	5,412	5,845	5,100	4,957	5,745	2.3	3.3	2.5	2.3	1.1
2015	5,584	6,019	5,280	5,136	5,900	3.2	3.0	3.5	3.6	2.7
2016	5,774	6,239	5,472	5,301	6,084	3.4	3.7	3.6	3.2	3.1
2017	5,935	6,339	5,637	5,458	6,306	2.8	1.6	3.0	3.0	3.6
2018	6,118	6,564	5,818	5,627	6,461	3.1	3.5	3.2	3.1	2.5
2019	6,266	6,772	5,938	5,852	6,503	2.4	3.2	2.1	4.0	0.7
2020	6,308	6,922	5,939	5,818	6,553	0.7	2.2	-	-0.6	0.8

Source : Derived based on data from Central Provident Fund Board

Notes :

- 1) Average (Mean) Monthly Earnings (AME) refers to all remuneration received before deduction of the employee Central Provident Fund (CPF) contributions and personal income tax. It comprises basic wages, overtime pay, commissions, allowances and bonuses but exclude employer CPF contributions.
- 2) Data cover full-time and part-time employees who have CPF contributions. They exclude identifiable self-employed persons who have made CPF contribution.
- 3) Average (Mean) Monthly Earnings covers employees who contribute to the Central Provident Fund. Available quarterly, AME provides a timely rough gauge of average wage movement. However, the AME can be influenced by the changing mix of full-time and part-time workers and variations in overtime as the data are compiled based on the payroll of contributors to the CPF which do not allow for breakdown separately to full-timers and part-timers. Also, as AME pertains to mean earnings, it can be skewed upwards by a small number of very high income earners. For income of a typical worker, users should refer to the median Gross Monthly Income From Work and for wage growth of employees over a year they can refer to the Annual Wage Changes, both of which are available on MOM's website.

B.8 AVERAGE (MEAN) MONTHLY EARNINGS PER EMPLOYEE BY SEX, 2010 – 2020 (continued)
(FEMALES)

	Level (\$)					Change (%) Over Corresponding Period Of Previous Year				
	Annual	1Q	2Q	3Q	4Q	Annual	1Q	2Q	3Q	4Q
2010	3,434	3,598	3,203	3,145	3,791	5.8	4.1	5.9	5.7	7.4
2011	3,650	3,943	3,390	3,316	3,951	6.3	9.6	5.8	5.4	4.2
2012	3,735	3,960	3,498	3,422	4,061	2.3	0.4	3.2	3.2	2.8
2013	3,909	4,186	3,637	3,540	4,271	4.7	5.7	4.0	3.4	5.2
2014	4,006	4,329	3,755	3,639	4,302	2.5	3.4	3.2	2.8	0.7
2015	4,172	4,467	3,914	3,825	4,484	4.1	3.2	4.2	5.1	4.2
2016	4,353	4,701	4,084	3,971	4,655	4.3	5.2	4.3	3.8	3.8
2017	4,509	4,816	4,228	4,119	4,873	3.6	2.4	3.5	3.7	4.7
2018	4,693	5,040	4,411	4,289	5,033	4.1	4.7	4.3	4.1	3.3
2019	4,827	5,232	4,506	4,512	5,060	2.9	3.8	2.2	5.2	0.5
2020	4,942	5,371	4,601	4,603	5,194	2.4	2.7	2.1	2.0	2.6

Source : Derived based on data from Central Provident Fund Board

Notes :

- 1) Average (Mean) Monthly Earnings (AME) refers to all remuneration received before deduction of the employee Central Provident Fund (CPF) contributions and personal income tax. It comprises basic wages, overtime pay, commissions, allowances and bonuses but exclude employer CPF contributions.
- 2) Data cover full-time and part-time employees who have CPF contributions. They exclude identifiable self-employed persons who have made CPF contribution.
- 3) Average (Mean) Monthly Earnings covers employees who contribute to the Central Provident Fund. Available quarterly, AME provides a timely rough gauge of average wage movement. However, the AME can be influenced by the changing mix of full-time and part-time workers and variations in overtime as the data are compiled based on the payroll of contributors to the CPF which do not allow for breakdown separately to full-timers and part-timers. Also, as AME pertains to mean earnings, it can be skewed upwards by a small number of very high income earners. For income of a typical worker, users should refer to the median Gross Monthly Income From Work and for wage growth of employees over a year they can refer to the Annual Wage Changes, both of which are available on MOM's website.



Employment, Hours Worked And Conditions Of Employment



EMPLOYMENT, HOURS WORKED AND CONDITIONS OF EMPLOYMENT

Source of Data

Employment data are compiled primarily from administrative records of the Central Provident Fund Board and the Ministry of Manpower. The self-employed component is estimated from the Labour Force Survey.

Statistics on Paid Hours Worked are compiled from the Labour Market Survey conducted by the Manpower Research and Statistics Department of the Ministry of Manpower. Before 2006, the survey covered private sector establishments with at least 25 employees. From 2006 onwards, the survey also includes the public sector.

Statistics on Actual Hours Worked and Usual Hours Worked (including paid and unpaid hours worked by employed persons) are compiled from the Labour Force Survey conducted by the Manpower Research and Statistics Department of the Ministry of Manpower. The survey covers private households in Singapore. It excludes workers living in construction worksites, dormitories and workers' quarters at the workplace and persons commuting from abroad to work in Singapore.

Statistics on Employment Conditions and Practices are compiled from the biennial Conditions of Employment Survey conducted by the Manpower Research and Statistics Department of the Ministry of Manpower. The survey covers establishments in the private sector with at least 25 employees and the public sector.

Concepts and Definitions

Employment data from administrative records comprise all persons in employment. However, it excludes men who are serving their 2-year full-time national service in the Singapore Armed Forces, Police and Civil Defence Forces.

Data on the number of resident employees are compiled from the Central Provident Fund (CPF) Board's administrative records of active contributors, defined as resident employees who have at least one CPF contribution paid for him/her. A resident employee is a Singapore citizen or Permanent Resident who is employed by an employer under a contract of service or other agreement entered into in Singapore. Every resident employee and his/her employer are

required to make monthly contributions to the CPF. The CPF is a compulsory savings scheme that provides workers financial security in old age and helps meet the needs of healthcare, home-ownership, family protection and asset enhancement.

Data on non-residents working in Singapore are compiled from administrative records of non-residents on valid work passes issued by the Ministry of Manpower. Non-residents can work in Singapore only if they have valid work passes issued by the Ministry of Manpower.

The number of self-employed persons is estimated from the Labour Force Survey. The self-employed comprises persons aged fifteen years and over who are own account workers, employers or contributing family workers.

Standard Hours Worked Per Week refers to the number of hours, excluding meal breaks worked by an employee during a normal working week.

Paid Overtime Hours Worked Per Week refers to the number of hours worked by an employee in excess of the standard hours for which the employees were paid. It excludes overtime hours worked for which 'time-off' was granted instead of wage payment.

Paid Hours Worked Per Week refers to the total number of paid hours worked during a week by an employee. It is the sum of standard hours and paid overtime hours worked.

Actual Hours Worked Per Week refers to the actual time spent by employed persons on work activities, regardless of whether the hours are regular in nature or whether he is paid or not.

Usual Hours Worked Per Week refers to the number of hours that a person usually works in a typical week, regardless of whether he is paid or not.

An **establishment** refers to an economic unit that produces goods or services at a single physical location and engages in one, or predominantly one type of economic activity. Thus, each branch of a multi-branch organisation at a different location is conceptually a different establishment. However, if in practice the required statistics are centrally kept such that it is not possible to obtain separate data for each individual unit or branch, the organisation or enterprise is treated as a single reporting unit and allowed to submit a consolidated return covering all the units or branches.

Part-Time Work refers to total working hours of less than 35 hours in a week. This work arrangement includes those who work half-day or only some days per week but excludes workers who work “on and off” and temporary employees who work the normal hours.

Flexi-time is an arrangement where employees can vary their daily working hours to suit their work and personal commitments so long as they work the total hours agreed for an accounting period, usually a week or month in the office.

Tele-working is an arrangement for extended period of time where employees perform work in places other than the office and the job is performed using information and communication technologies. Employees under this work arrangement may be required to spend certain “core” times or days in the office. This differs from an **ad-hoc tele-working** arrangement where employees tele-work on a case-by-case basis for personal reasons (e.g. to cope with family emergencies).

Homeworking is an arrangement where employees undertake work mainly in their homes without using information and communication technologies. Such jobs usually involve production of goods or services (e.g. sewing parts of a product, hand-packing of products from home). It excludes those who are tele-working.

Job Sharing is an arrangement where the workload of a full-time job is split between two or more people in the office. The jobsharers work at different times, although there may be a time overlap to maintain continuity. They may each work part of the day or week, or alternate weeks (depending on individual and their employers’ circumstances) on an ongoing, regular basis.

Compressed Work Week is an arrangement where a standard work week is condensed into fewer than five days (i.e. employees complete their expected workload over a shorter time period). It is an option taken up by employees, rather than a mandatory requirement made by the employer.

Staggered Hours is an arrangement characterised by different starting and finishing hours (e.g. start time can vary from 7am to 10am with finish time adjusted accordingly) around compulsory core hours (e.g. 10am to 4pm).

Paid Family Care Leave refers to paid leave granted to employees for taking care of their family members (e.g. parents, step parents, parents-in-law, children, spouse) or to accompany them for medical appointment when they are sick or when the main caregiver is not available.

C.1 EMPLOYMENT BY INDUSTRY, 2010 – 2020 (DECEMBER)

												Thousands
SSIC 2015	Industry	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	TOTAL	3,105.9	3,228.5	3,357.6	3,493.8	3,623.9	3,656.2	3,673.1	3,669.4	3,714.8	3,784.3	3,603.3
C10-32	MANUFACTURING	520.9	526.7	535.1	539.9	536.0	514.8	500.5	490.0	488.2	484.8	447.0
C10-12	Food, Beverages & Tobacco	36.3	36.8	38.1	41.7	43.7	45.8	47.2	49.7	51.4	52.1	49.1
C17-18,22	Paper / Rubber / Plastic Products & Printing	40.9	40.5	38.5	37.9	36.9	34.3	32.4	30.8	29.7	28.7	26.2
C19-21	Petroleum, Chemical & Pharmaceutical Products	53.3	52.3	64.3	65.0	61.5	58.1	63.4	59.4	62.9	63.4	58.9
C25,28	Fabricated Metal Products, Machinery & Equipment	107.6	112.6	113.0	113.3	114.8	109.8	101.4	99.3	95.3	96.7	89.6
C26	Electronic, Computer & Optical Products	100.4	95.1	91.3	88.3	87.4	85.8	83.9	91.6	92.0	88.1	83.4
C29-30	Transport Equipment	122.6	128.8	128.4	131.7	128.1	117.7	109.0	95.5	94.1	93.9	82.3
C13-16,23-24,27,31-32	Other Manufacturing Industries	59.7	60.6	61.4	62.0	63.5	63.4	63.2	63.7	62.9	61.9	57.5
F41-43	CONSTRUCTION	378.5	400.3	440.7	479.3	494.0	501.2	489.9	451.8	444.2	456.8	405.0
G-U	SERVICES	2,184.2	2,278.3	2,356.9	2,448.1	2,566.6	2,612.3	2,655.1	2,700.4	2,755.3	2,816.1	2,724.9
G46-47	WHOLESALE AND RETAIL TRADE	440.7	455.1	466.7	482.1	499.6	491.2	492.6	490.1	491.2	486.0	462.8
G46	Wholesale Trade	291.2	298.6	304.8	314.5	322.5	322.4	322.9	321.7	325.5	321.9	308.7
G47	Retail Trade	149.5	156.5	161.9	167.7	177.1	168.9	169.6	168.4	165.7	164.1	154.1
H49-53	TRANSPORTATION AND STORAGE	206.6	213.4	222.8	231.1	239.0	241.6	245.0	252.2	259.8	261.8	253.5
H49,5221	Land Transport & Supporting Services	81.6	82.7	85.1	87.9	91.1	94.4	99.3	103.8	108.6	109.2	109.9
H50,5222, 5225	Water Transport & Supporting Services	40.5	43.0	44.0	46.1	48.1	47.0	46.3	46.0	45.3	44.6	43.4
H51,5223	Air Transport & Supporting Services	27.3	29.1	31.2	32.4	32.1	32.4	31.1	32.9	34.3	35.6	26.6
H521,5224,5229,53	Other Transportation & Storage Services	57.2	58.6	62.5	64.7	67.7	67.7	68.2	69.6	71.7	72.3	73.6
I55-56	ACCOMMODATION AND FOOD SERVICES	205.7	215.9	223.0	230.5	240.7	245.9	251.2	254.8	259.7	266.7	242.1
I55	Accommodation	33.4	35.4	35.9	35.7	36.3	35.8	35.0	35.0	36.4	36.3	27.0
I56	Food & Beverage Services	172.4	180.5	187.1	194.8	204.4	210.1	216.2	219.7	223.3	230.4	215.0

Source : Administrative Records and Labour Force Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data are primarily from administrative records, with the self-employed component estimated from the Labour Force Survey.
- 2) Data may not add up to the total due to rounding.

C.1 EMPLOYMENT BY INDUSTRY, 2010 – 2020 (DECEMBER) (continued)

												Thousands
SSIC 2015	Industry	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
J58-63	INFORMATION AND COMMUNICATIONS	98.2	107.2	110.3	116.6	123.5	127.7	129.9	134.1	142.4	148.6	151.8
J58-61	Telecommunications, Broadcasting & Publishing	37.5	38.7	38.9	40.2	40.9	41.3	40.4	40.2	41.0	40.3	39.9
J62-63	IT & Other Information Services	60.7	68.5	71.4	76.4	82.6	86.4	89.6	93.9	101.4	108.3	111.9
K64-66	FINANCIAL AND INSURANCE SERVICES	149.0	156.1	162.0	167.8	176.5	179.8	185.5	188.6	194.5	200.9	203.4
K64 & 66 (excl. 662)	Financial Services	120.8	127.4	132.6	137.6	142.8	145.6	149.9	150.3	155.1	160.4	161.6
K65 & 662	Insurance Services	28.2	28.6	29.4	30.3	33.7	34.2	35.6	38.2	39.4	40.5	41.8
L68	REAL ESTATE SERVICES	81.3	85.0	89.1	87.7	95.0	89.6	84.4	86.3	82.6	82.5	76.0
M69-75	PROFESSIONAL SERVICES	184.2	193.7	203.9	218.6	231.7	234.4	233.9	237.9	243.8	257.1	255.9
M69-70	Legal, Accounting & Management Services	87.4	91.2	95.3	103.7	110.5	115.1	117.0	120.8	125.7	135.3	136.2
M71	Architectural & Engineering Services	54.5	57.6	60.6	63.9	64.5	63.2	60.7	59.2	60.6	62.1	61.0
M72-75	Other Professional Services	42.2	44.9	48.0	51.0	56.7	56.1	56.2	57.8	57.6	59.7	58.7
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	169.0	178.8	185.9	196.5	210.5	224.8	234.2	240.7	247.6	257.0	242.7
N80	Security & Investigation	33.5	35.9	36.8	38.1	40.5	42.8	44.4	47.1	48.4	49.4	48.6
N81	Cleaning & Landscaping	45.5	46.5	48.6	54.7	59.2	65.3	72.8	75.5	77.5	81.6	77.4
N77-79,82	Other Administrative & Support Services	90.0	96.5	100.5	103.7	110.7	116.7	117.0	118.2	121.6	126.0	116.6
O-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	649.5	673.1	693.2	717.3	750.2	777.2	798.3	815.8	833.6	855.4	836.9
O84,P85	Public Administration & Education	203.1	210.8	218.9	225.4	234.3	239.3	244.2	245.7	250.7	254.6	262.7
Q86-88	Health & Social Services	98.8	106.4	115.0	124.0	133.3	145.1	152.5	158.4	163.5	170.3	175.6
R90-93	Arts, Entertainment & Recreation	52.7	55.8	55.3	54.7	56.0	56.2	55.6	56.1	56.7	57.0	42.7
S,T,U	Other Community, Social & Personal Services	294.8	300.1	304.1	313.2	326.5	336.6	346.1	355.6	362.7	373.5	356.0
A,B,D,E,V	Others¹	22.4	23.2	24.9	26.6	27.3	27.9	27.7	27.2	27.1	26.7	26.4

¹ 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Data are primarily from administrative records, with the self-employed component estimated from the Labour Force Survey.

2) Data may not add up to the total due to rounding.

**C.2 AVERAGE WEEKLY TOTAL PAID HOURS WORKED PER EMPLOYEE BY INDUSTRY, 2010 – 2020
(ALL EMPLOYEES)**

SSIC 2015	Industry	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	TOTAL	46.2	46.2	46.2	46.2	46.0	45.6	45.5	45.1	44.8	44.7	44.0
C10-32	MANUFACTURING	50.5	50.2	50.2	50.1	49.7	49.3	48.9	48.5	48.3	47.8	46.9
C10-12	Food, Beverages & Tobacco	47.5	48.5	47.8	46.9	46.9	46.6	46.6	46.4	45.6	45.1	45.4
C17-18,22	Paper / Rubber / Plastic Products & Printing	50.0	49.2	48.6	49.1	49.3	48.6	48.5	48.6	48.3	47.6	47.4
C19-21	Petroleum, Chemical & Pharmaceutical Products	46.1	45.9	45.1	44.7	44.5	44.4	44.9	44.4	44.1	43.9	43.7
C25,28	Fabricated Metal Products, Machinery & Equipment	52.7	52.2	52.6	52.6	52.1	51.1	50.4	50.1	49.8	49.5	48.1
C26	Electronic, Computer & Optical Products	47.3	47.0	46.8	46.9	46.8	46.4	47.0	46.9	47.1	46.3	46.8
C29-30	Transport Equipment	53.4	53.1	53.5	53.0	52.4	52.8	51.3	50.6	50.7	50.7	47.7
C13-16,23-24,27,31-32	Other Manufacturing Industries	49.9	49.7	49.7	50.2	49.2	48.5	48.6	48.5	48.0	47.4	46.8
F41-43	CONSTRUCTION	52.4	52.8	53.0	53.2	52.9	52.1	52.0	50.8	50.4	50.0	48.1
G-U	SERVICES	43.4	43.4	43.5	43.4	43.2	43.1	43.2	43.1	42.9	42.9	42.5
G46-47	WHOLESALE AND RETAIL TRADE	43.8	43.7	43.6	43.2	43.1	43.0	42.7	42.8	42.9	42.9	42.7
G46	Wholesale Trade	43.8	43.6	43.7	43.6	43.6	43.4	43.0	43.2	43.3	43.2	43.1
G47	Retail Trade	43.8	43.8	43.3	42.3	42.0	42.1	42.1	42.1	42.0	42.1	41.9
H49-53	TRANSPORTATION AND STORAGE	45.7	46.2	46.1	45.7	45.8	45.7	45.9	45.5	45.6	45.5	45.1
H49,5221	Land Transport & Supporting Services	47.6	48.4	48.4	46.8	46.9	46.0	45.9	45.3	45.2	46.1	46.6
H50,5222,5225	Water Transport & Supporting Services	44.7	44.9	44.6	44.3	44.5	44.3	44.7	44.3	44.5	44.7	44.4
H51,5223	Air Transport & Supporting Services	43.7	44.6	44.8	45.1	45.0	45.2	45.7	45.1	45.0	44.5	42.6
H521,5224,5229,53	Other Transportation & Storage Services	46.7	46.9	46.7	46.6	46.6	47.0	46.8	46.9	46.9	46.2	45.7

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

C.2 AVERAGE WEEKLY TOTAL PAID HOURS WORKED PER EMPLOYEE BY INDUSTRY, 2010 – 2020 (continued)
(ALL EMPLOYEES)

SSIC 2015	Industry	Hours										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
I55-56	ACCOMMODATION AND FOOD SERVICES	41.2	41.6	42.1	43.0	42.0	41.5	42.0	42.2	41.5	41.8	40.9
I55	Accommodation	45.4	45.8	45.9	46.6	46.5	46.4	46.2	46.1	45.7	45.7	44.2
I56	Food & Beverage Services	39.9	40.4	41.1	42.0	40.9	40.4	41.1	41.3	40.6	41.0	40.4
J58-63	INFORMATION AND COMMUNICATIONS	41.7	41.5	41.5	41.7	41.5	41.5	41.4	41.5	41.7	41.6	41.5
J58-61	Telecommunications, Broadcasting & Publishing	41.7	41.4	41.6	42.3	41.9	41.9	41.7	41.6	41.6	41.7	42.0
J62-63	IT & Other Information Services	41.6	41.6	41.4	41.2	41.2	41.2	41.2	41.5	41.7	41.6	41.3
K64-66	FINANCIAL AND INSURANCE SERVICES	41.4	41.2	41.2	41.2	41.1	41.1	41.1	41.1	41.1	41.6	41.3
K64 & 66 (excl. 662)	Financial Services	41.6	41.4	41.3	41.3	41.3	41.2	41.2	41.3	41.3	41.8	41.5
K65 & 662	Insurance Services	40.4	39.8	40.0	40.0	40.2	40.1	40.1	40.1	40.1	40.2	40.2
L68	REAL ESTATE SERVICES	44.7	44.6	44.5	44.6	44.5	44.8	45.0	44.6	44.0	44.2	43.6
M69-75	PROFESSIONAL SERVICES	43.0	43.1	43.6	43.6	43.1	42.9	43.3	43.1	43.0	42.9	42.4
M69-70	Legal, Accounting & Management Services	41.0	41.1	41.5	41.3	41.2	41.2	41.3	41.2	41.1	40.9	40.9
M71	Architectural & Engineering Services	45.6	45.7	46.6	47.0	46.2	45.6	46.5	46.1	46.1	46.0	44.9
M72-75	Other Professional Services	42.5	42.9	42.2	41.8	41.7	42.0	42.0	42.4	41.8	41.9	42.4
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	48.7	48.5	48.5	47.5	47.3	46.4	46.6	46.7	46.0	46.0	45.3
N80	Security & Investigation	55.2	54.6	55.5	52.8	52.1	50.5	51.2	52.3	51.4	51.3	49.6
N81	Cleaning & Landscaping	44.8	45.7	45.3	44.9	44.6	43.8	44.0	44.4	44.7	44.4	43.9
N77-79,82	Other Administrative & Support Services	46.0	45.7	45.0	44.8	45.2	45.3	44.9	44.5	44.1	44.4	43.8
O-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	42.0	42.1	42.1	42.1	42.0	42.1	42.1	41.9	41.8	41.9	41.7
O84,P85	Public Administration & Education	41.5	41.4	41.3	41.3	41.3	41.5	41.6	41.4	41.2	41.3	41.4
Q86-88	Health & Social Services	42.0	42.1	42.1	42.0	41.9	41.9	42.0	41.9	42.0	41.9	42.0
R90-93	Arts, Entertainment & Recreation	42.6	43.4	43.8	43.9	43.8	44.2	44.0	43.7	43.8	43.8	43.3
S,T,U	Other Community, Social & Personal Services	44.0	44.3	44.2	43.8	43.5	42.9	42.9	42.8	42.3	42.4	41.3
A,B,D,E,V	Others¹	46.3	45.8	45.7	45.7	45.6	45.6	45.7	45.4	45.4	45.1	45.0

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

**C.3 AVERAGE WEEKLY PAID OVERTIME HOURS WORKED PER EMPLOYEE BY INDUSTRY, 2010 – 2020
(ALL EMPLOYEES)**

SSIC 2015	Industry	Hours										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	TOTAL	3.7	3.7	3.8	3.8	3.7	3.4	3.3	3.0	2.8	2.7	2.0
C10-32	MANUFACTURING	7.2	7.0	7.2	7.1	6.7	6.3	5.9	5.6	5.5	5.1	4.2
C10-12	Food, Beverages & Tobacco	4.3	5.0	4.3	4.1	3.9	4.0	4.0	3.9	3.6	3.3	2.8
C17-18,22	Paper / Rubber / Plastic Products & Printing	6.4	5.8	5.1	5.7	5.8	5.4	5.2	5.3	5.2	4.3	3.9
C19-21	Petroleum, Chemical & Pharmaceutical Products	3.3	3.2	3.2	2.9	2.8	2.6	2.8	2.5	2.4	2.3	2.2
C25,28	Fabricated Metal Products, Machinery & Equipment	8.9	8.6	9.1	9.0	8.6	7.6	6.9	6.8	6.5	6.3	5.0
C26	Electronic, Computer & Optical Products	5.0	4.6	4.8	4.8	4.7	4.3	4.6	4.5	4.9	4.0	4.5
C29-30	Transport Equipment	9.6	9.4	9.9	9.4	8.8	9.1	7.7	7.1	7.3	7.3	4.5
C13-16,23-24,27,31-32	Other Manufacturing Industries	6.9	6.8	6.7	7.2	6.3	5.9	6.0	6.0	5.5	5.0	4.7
F41-43	CONSTRUCTION	7.5	7.9	8.2	8.5	8.2	7.6	7.7	6.6	6.4	6.1	4.3
G-U	SERVICES	1.7	1.7	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.2
G46-47	WHOLESALE AND RETAIL TRADE	1.9	1.7	1.7	1.7	1.8	1.8	1.5	1.5	1.6	1.5	1.3
G46	Wholesale Trade	1.7	1.6	1.6	1.5	1.7	1.8	1.4	1.5	1.4	1.3	1.2
G47	Retail Trade	2.2	2.1	2.0	2.0	2.0	1.8	1.7	1.7	1.8	1.7	1.5
H49-53	TRANSPORTATION AND STORAGE	2.9	3.3	3.3	3.0	3.0	2.9	2.9	2.6	2.6	2.7	2.4
H49,5221	Land Transport & Supporting Services	4.3	4.9	5.2	3.8	4.0	3.3	3.2	2.8	2.8	3.7	3.8
H50,5222,5225	Water Transport & Supporting Services	1.9	2.0	1.8	1.8	2.0	1.8	2.0	1.6	1.9	2.2	2.0
H51,5223	Air Transport & Supporting Services	1.6	2.3	2.4	2.2	1.8	2.1	2.6	2.0	1.8	1.4	0.5
H521,5224,5229,53	Other Transportation & Storage Services	3.9	4.1	3.9	3.9	4.1	4.0	3.7	3.7	3.5	3.0	2.7

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

C.3 AVERAGE WEEKLY PAID OVERTIME HOURS WORKED PER EMPLOYEE BY INDUSTRY, 2010 – 2020 (continued)
(ALL EMPLOYEES)

		Hours										
SSIC 2015	Industry	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
I55-56	ACCOMMODATION AND FOOD SERVICES	1.3	1.5	1.7	2.3	1.9	1.8	1.8	2.0	1.9	1.9	1.3
I55	Accommodation	1.8	1.9	2.1	2.6	2.7	2.6	2.4	2.4	2.3	2.3	0.7
I56	Food & Beverage Services	1.2	1.4	1.7	2.2	1.7	1.6	1.7	1.9	1.8	1.9	1.4
J58-63	INFORMATION AND COMMUNICATIONS	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.4	0.3	0.2
J58-61	Telecommunications, Broadcasting & Publishing	0.9	0.8	0.7	0.8	0.6	0.7	0.5	0.4	0.4	0.3	0.3
J62-63	IT & Other Information Services	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.4	0.3	0.2
K64-66	FINANCIAL AND INSURANCE SERVICES	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.4	0.2
K64 & 66 (excl. 662)	Financial Services	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2
K65 & 662	Insurance Services	0.6	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
L68	REAL ESTATE SERVICES	2.1	2.0	1.9	2.2	2.0	2.3	2.4	2.0	1.6	1.7	1.0
M69-75	PROFESSIONAL SERVICES	1.7	1.7	2.0	2.1	1.8	1.4	1.6	1.5	1.4	1.4	0.9
M69-70	Legal, Accounting & Management Services	0.7	0.6	0.8	0.8	0.8	0.5	0.5	0.4	0.3	0.3	0.2
M71	Architectural & Engineering Services	3.0	3.1	3.9	4.3	3.7	2.9	3.6	3.3	3.3	3.4	2.4
M72-75	Other Professional Services	1.1	1.5	0.9	0.7	0.6	0.7	0.6	0.8	0.7	0.6	0.6
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	5.3	5.3	5.6	4.8	5.3	4.4	4.6	4.7	4.1	4.1	3.4
N80	Security & Investigation	10.5	10.5	12.1	9.6	10.3	9.1	9.3	9.8	9.9	10.1	7.9
N81	Cleaning & Landscaping	1.9	2.6	2.3	2.3	2.6	1.8	2.0	2.5	2.7	2.6	2.2
N77-79,82	Other Administrative & Support Services	3.3	3.2	2.7	2.6	2.9	2.8	2.9	2.6	2.0	2.0	1.8
O-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
O84,P85	Public Administration & Education	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Q86-88	Health & Social Services	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.4
R90-93	Arts, Entertainment & Recreation	0.9	1.3	1.4	1.2	1.2	1.5	1.4	1.2	1.3	1.1	0.9
S,T,U	Other Community, Social & Personal Services	1.8	1.9	2.0	1.7	1.7	1.5	1.0	1.1	1.2	1.2	0.6
A,B,D,E,V	Others¹	3.3	3.1	3.1	3.1	2.9	3.0	3.1	2.9	2.8	2.6	2.4

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.

2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

C.4 AVERAGE WEEKLY TOTAL PAID HOURS / STANDARD HOURS WORKED PER EMPLOYEE BY INDUSTRY AND NATURE OF EMPLOYMENT, 2020

SSIC 2015	Industry	Average Weekly Total Paid Hours Worked			Average Weekly Standard Hours Worked		
		All Employees	Full-time Employees	Part-time Employees	All Employees	Full-time Employees	Part-time Employees
		Hours					
	TOTAL	44.0	44.9	25.4	41.9	42.7	24.8
C10-32	MANUFACTURING	46.9	47.2	26.0	42.7	42.9	25.8
C10-12	Food, Beverages & Tobacco	45.4	46.7	29.4	42.6	43.7	29.3
C17-18,22	Paper / Rubber / Plastic Products & Printing	47.4	47.6	24.8	43.4	43.6	24.2
C19-21	Petroleum, Chemical & Pharmaceutical Products	43.7	43.8	21.2	41.5	41.5	21.2
C25,28	Fabricated Metal Products, Machinery & Equipment	48.1	48.3	21.6	43.1	43.3	21.1
C26	Electronic, Computer & Optical Products	46.8	46.8	24.8	42.3	42.4	24.4
C29-30	Transport Equipment	47.7	48.0	21.4	43.3	43.5	21.3
C13-16,23-24,27,31-32	Other Manufacturing Industries	46.8	47.0	20.1	42.0	42.2	20.0
F41-43	CONSTRUCTION	48.1	48.3	24.1	43.8	44.0	23.4
G-U	SERVICES	42.5	43.7	25.4	41.4	42.5	24.8
G46-47	WHOLESALE AND RETAIL TRADE	42.7	44.0	25.9	41.4	42.7	24.7
G46	Wholesale Trade	43.1	43.7	23.6	41.9	42.4	23.2
G47	Retail Trade	41.9	44.9	26.7	40.4	43.4	25.2
H49-53	TRANSPORTATION AND STORAGE	45.1	45.5	22.7	42.7	43.1	22.4
H49,5221	Land Transport & Supporting Services	46.6	47.4	21.9	42.8	43.5	21.6
H50,5222,5225	Water Transport & Supporting Services	44.4	44.7	20.0	42.5	42.7	20.0
H51,5223	Air Transport & Supporting Services	42.6	42.7	22.3	42.1	42.2	22.3
H521,5224,5229,53	Other Transportation & Storage Services	45.7	46.2	23.9	43.0	43.5	23.4
I55-56	ACCOMMODATION AND FOOD SERVICES	40.9	45.6	25.2	39.6	43.9	24.9
I55	Accommodation	44.2	44.5	25.8	43.5	43.8	25.8
I56	Food & Beverage Services	40.4	45.8	25.2	38.9	43.9	24.9

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Annual figures are the simple averages of the figures obtained at quarterly intervals.
- 3) Part-time employees are employees who normally work less than 35 hours in a week, including those who work half-days or only some days per week. They exclude workers who work 'on and off' and temporary employees who work the normal hours.

**C.4 AVERAGE WEEKLY TOTAL PAID HOURS / STANDARD HOURS WORKED PER EMPLOYEE
BY INDUSTRY AND NATURE OF EMPLOYMENT, 2020 (continued)**

SSIC 2015	Industry	Average Weekly Total Paid Hours Worked			Average Weekly Standard Hours Worked		
		All Employees	Full-time Employees	Part-time Employees	All Employees	Full-time Employees	Part-time Employees
J58-63	INFORMATION AND COMMUNICATIONS	41.5	41.6	23.5	41.3	41.4	23.4
J58-61	Telecommunications, Broadcasting & Publishing	42.0	42.2	22.6	41.7	41.9	22.6
J62-63	IT & Other Information Services	41.3	41.4	23.8	41.1	41.2	23.8
K64-66	FINANCIAL AND INSURANCE SERVICES	41.3	41.4	23.9	41.1	41.2	23.8
K64 & 66 (excl. 662)	Financial Services	41.5	41.5	24.5	41.3	41.4	24.4
K65 & 662	Insurance Services	40.2	40.3	22.0	40.1	40.2	21.9
L68	REAL ESTATE SERVICES	43.6	44.1	25.4	42.5	43.0	25.2
M69-75	PROFESSIONAL SERVICES	42.4	42.6	24.0	41.4	41.6	23.9
M69-70	Legal, Accounting & Management Services	40.9	41.1	24.4	40.7	40.9	24.4
M71	Architectural & Engineering Services	44.9	45.1	21.5	42.6	42.7	21.4
M72-75	Other Professional Services	42.4	42.5	25.8	41.7	41.9	25.7
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	45.3	47.2	28.0	41.8	43.5	26.6
N80	Security & Investigation	49.6	52.9	32.2	41.6	44.1	29.0
N81	Cleaning & Landscaping	43.9	46.3	25.3	41.8	43.8	25.1
N77-79,82	Other Administrative & Support Services	43.8	44.5	25.5	42.1	42.7	25.1
O-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	41.7	42.6	23.7	41.4	42.3	23.6
O84,P85	Public Administration & Education	41.4	42.1	22.1	41.3	42.0	22.1
Q86-88	Health & Social Services	42.0	42.6	26.0	41.6	42.2	25.9
R90-93	Arts, Entertainment & Recreation	43.3	44.6	23.4	42.4	43.6	23.2
S,T,U	Other Community, Social & Personal Services	41.3	43.6	24.5	40.8	42.9	24.4
A,B,D,E,V	Others¹	45.0	45.4	24.6	42.6	42.9	24.6

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

¹ Others includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.

2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

3) Part-time employees are employees who normally work less than 35 hours in a week, including those who work half-days or only some days per week. They exclude workers who work 'on and off' and temporary employees who work the normal hours.

C.5 AVERAGE WEEKLY PAID OVERTIME HOURS WORKED PER EMPLOYEE BY INDUSTRY AND NATURE OF EMPLOYMENT, 2020

SSIC 2015	Industry	Average Weekly Paid Overtime Hours Worked (of All Employees)			Average Weekly Paid Overtime Hours Worked (of Employees who Worked Overtime)		
		All Employees	Full-time Employees	Part-time Employees	All Employees	Full-time Employees	Part-time Employees
		Hours					
	TOTAL	2.0	2.1	0.6	9.5	9.7	5.0
C10-32	MANUFACTURING	4.2	4.3	0.2	11.2	11.2	3.6
C10-12	Food, Beverages & Tobacco	2.8	3.1	0.1	9.7	9.8	2.1
C17-18,22	Paper / Rubber / Plastic Products & Printing	3.9	4.0	0.6	10.3	10.4	1.4
C19-21	Petroleum, Chemical & Pharmaceutical Products	2.2	2.2	-	8.1	8.1	0.4
C25,28	Fabricated Metal Products, Machinery & Equipment	5.0	5.0	0.5	12.1	12.1	8.2
C26	Electronic, Computer & Optical Products	4.5	4.5	0.4	11.0	11.0	7.1
C29-30	Transport Equipment	4.5	4.5	-	11.1	11.1	1.8
C13-16,23-24,27,31-32	Other Manufacturing Industries	4.7	4.8	0.1	12.7	12.7	12.1
F41-43	CONSTRUCTION	4.3	4.3	0.7	11.2	11.2	4.4
G-U	SERVICES	1.2	1.2	0.6	7.9	8.0	5.0
G46-47	WHOLESALE AND RETAIL TRADE	1.3	1.3	1.3	6.8	6.7	5.1
G46	Wholesale Trade	1.2	1.3	0.4	7.6	7.7	4.9
G47	Retail Trade	1.5	1.5	1.5	5.7	5.4	4.9
H49-53	TRANSPORTATION AND STORAGE	2.4	2.5	0.4	7.8	7.8	3.3
H49,5221	Land Transport & Supporting Services	3.8	3.9	0.3	8.4	8.4	3.5
H50,5222,5225	Water Transport & Supporting Services	2.0	2.0	-	6.2	6.2	0.2
H51,5223	Air Transport & Supporting Services	0.5	0.5	-	6.2	6.2	-
H521,5224,5229,53	Other Transportation & Storage Services	2.7	2.7	0.5	8.4	8.5	3.1
I55-56	ACCOMMODATION AND FOOD SERVICES	1.3	1.6	0.3	6.9	7.6	2.7
I55	Accommodation	0.7	0.7	-	6.8	6.8	2.5
I56	Food & Beverage Services	1.4	1.8	0.3	6.9	7.6	2.7

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Annual figures are the simple averages of the figures obtained at quarterly intervals.
- 3) Part-time employees are employees who normally work less than 35 hours in a week, including those who work half-days or only some days per week. They exclude workers who work 'on and off' and temporary employees who work the normal hours.

C.5 AVERAGE WEEKLY PAID OVERTIME HOURS WORKED PER EMPLOYEE BY INDUSTRY AND NATURE OF EMPLOYMENT, 2020 (continued)

SSIC 2015	Industry	Average Weekly Paid Overtime Hours Worked (of All Employees)			Average Weekly Paid Overtime Hours Worked (of Employees who Worked Overtime)		
		All Employees	Full-time Employees	Part-time Employees	All Employees	Full-time Employees	Part-time Employees
		Hours					
J58-63	INFORMATION AND COMMUNICATIONS	0.2	0.2	-	5.9	5.9	1.5
J58-61	Telecommunications, Broadcasting & Publishing	0.3	0.3	-	6.1	6.1	1.2
J62-63	IT & Other Information Services	0.2	0.2	-	5.8	5.9	0.5
K64-66	FINANCIAL AND INSURANCE SERVICES	0.2	0.2	0.2	5.0	5.0	7.2
K64 & 66 (excl. 662)	Financial Services	0.2	0.2	0.2	5.2	5.2	12.1
K65 & 662	Insurance Services	0.1	0.1	0.2	3.8	3.8	4.1
L68	REAL ESTATE SERVICES	1.0	1.1	0.2	7.0	7.1	3.3
M69-75	PROFESSIONAL SERVICES	0.9	0.9	0.1	8.3	8.3	2.9
M69-70	Legal, Accounting & Management Services	0.2	0.2	0.1	4.3	4.3	2.3
M71	Architectural & Engineering Services	2.4	2.4	0.1	9.4	9.4	4.8
M72-75	Other Professional Services	0.6	0.6	-	9.8	9.8	4.1
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	3.4	3.7	1.4	10.7	11.0	6.5
N80	Security & Investigation	7.9	8.9	3.2	11.4	12.0	6.8
N81	Cleaning & Landscaping	2.2	2.4	0.2	9.4	9.5	5.0
N77-79,82	Other Administrative & Support Services	1.8	1.8	0.4	11.1	11.3	3.6
O-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	0.3	0.3	0.1	5.6	5.7	3.3
O84,P85	Public Administration & Education	0.1	0.1	0.1	5.8	6.1	2.4
Q86-88	Health & Social Services	0.4	0.4	0.2	4.4	4.4	2.5
R90-93	Arts, Entertainment & Recreation	0.9	1.0	0.3	8.5	8.4	5.0
S,T,U	Other Community, Social & Personal Services	0.6	0.6	0.1	6.2	6.2	3.9
A,B,D,E,V	Others¹	2.4	2.5	-	9.3	9.3	2.7

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

¹ Others includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.

2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

3) Part-time employees are employees who normally work less than 35 hours in a week, including those who work half-days or only some days per week. They exclude workers who work 'on and off' and temporary employees who work the normal hours.

C.6 ANNUAL AVERAGE ACTUAL HOURS WORKED PER WEEK OF EMPLOYED PERSONS AGED FIFTEEN YEARS AND OVER BY INDUSTRY, 2020
(Exclude Full-Time National Servicemen)

Industry (SSIC 2015)		Hours
		Average Actual Hours Worked Per Week
TOTAL		42.6
C	Manufacturing	40.4
F	Construction	34.9
G	Wholesale & Retail Trade	39.7
H	Transportation & Storage	42.9
I	Accommodation & Food Services	40.6
J	Information & Communications	41.1
K	Financial & Insurance Services	42.2
L - N	Business Services	41.2
O - U	Other Services Industries	51.5
A,B,D,E,V	Others ¹	41.4

Source : Labour Force Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' industry includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes:

1) Annual figures are the simple averages of the non-seasonally adjusted figures obtained at quarterly intervals.

2) As data are obtained from a sample survey, estimates for smaller sub-industries are subject to larger sampling variability.

**C.7 AVERAGE USUAL HOURS WORKED PER WEEK OF EMPLOYED RESIDENTS AGED FIFTEEN YEARS AND OVER
BY NATURE OF EMPLOYMENT AND SELECTED CHARACTERISTICS, JUNE 2020**
(Exclude Full-Time National Servicemen)

Characteristics	Average Usual Hours Worked Per Week (Hours)			Proportion of Employed Residents Who Worked More Than 48 Hours Per Week (%)	
	Total	Full - Time	Part - Time	Total	Full - Time
TOTAL	42.8	45.4	21.2	19.6	21.9
Sex					
Males	44.5	46.5	21.6	24.5	26.6
Females	40.8	44.1	21.0	14.0	16.3
Age (Years)					
15 - 24	37.5	43.7	18.8	9.5	12.7
25 - 29	43.8	44.7	22.5	17.2	17.9
30 - 39	44.0	45.1	21.4	21.0	22.1
40 - 49	44.1	45.7	21.6	22.6	24.2
50 - 59	43.1	45.9	21.9	20.6	23.3
60 & Over	39.4	45.5	21.1	15.9	21.2
Highest Qualification Attained					
Below Secondary	41.1	46.7	21.8	19.1	24.6
Secondary	42.2	45.7	21.7	17.6	20.7
Post-Secondary (Non-Tertiary)	42.6	45.9	20.7	19.4	22.3
Diploma & Professional Qualification	42.6	44.7	21.2	16.4	17.9
Degree	43.7	45.0	20.1	22.1	23.3

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

**C.7 AVERAGE USUAL HOURS WORKED PER WEEK OF EMPLOYED RESIDENTS AGED FIFTEEN YEARS AND OVER
BY NATURE OF EMPLOYMENT AND SELECTED CHARACTERISTICS, JUNE 2020 (continued)**
(Exclude Full-Time National Servicemen)

Characteristics	Average Usual Hours Worked Per Week (Hours)			Proportion of Employed Residents Who Worked More Than 48 Hours Per Week (%)		Characteristics	Average Usual Hours Worked Per Week (Hours)			Proportion of Employed Residents Who Worked More Than 48 Hours Per Week (%)	
	Total	Full-Time	Part-Time	Total	Full-Time		Total	Full-Time	Part-Time	Total	Full-Time
Total	42.8	45.4	21.2	19.6	21.9						
Occupation (SSOC 2020)						Industry (SSIC 2020)					
Managers & Administrators (Including Working Proprietors)	45.0	46.1	20.7	28.1	29.4	C Manufacturing	43.1	44.5	22.2	16.0	17.1
						F Construction	42.9	45.4	20.7	18.7	20.7
Professionals	43.6	44.7	19.8	20.1	21.0	G-U Services	42.7	45.5	21.2	20.1	22.6
						G Wholesale & Retail Trade	41.9	44.4	22.0	14.9	16.8
Associate Professionals & Technicians	42.0	44.0	19.4	13.8	15.0	H Transportation & Storage	46.2	49.0	22.4	31.3	35.1
						I Accommodation & Food Services	41.2	48.1	22.1	24.0	32.6
Clerical Support Workers	39.9	42.8	20.9	6.5	7.4	J Information & Communications	42.8	44.1	20.6	17.9	19.0
						K Financial & Insurance Services	44.1	44.9	20.7	23.4	24.3
Service & Sales Workers	42.0	47.4	22.2	22.3	28.4	L Real Estate Services	42.2	44.8	20.2	17.5	19.5
						M Professional Services	43.1	44.9	20.3	20.7	22.3
Craftsmen & Related Trades Workers	42.7	45.4	22.4	17.9	20.3	N Administrative & Support Services	42.4	46.7	21.3	21.6	25.9
						O,P Public Administration & Education	42.2	45.0	18.5	19.4	21.7
Plant & Machine Operators & Assemblers	48.1	51.8	22.4	39.1	44.7	Q Health & Social Services	41.5	44.2	21.4	12.0	13.7
						R Arts, Entertainment & Recreation	40.6	44.5	21.3	11.9	14.3
Cleaners, Labourers & Related Workers	36.5	44.3	21.7	9.3	14.2	S-U Other Community, Social & Personal Services	39.9	45.0	20.7	16.3	20.5
Others ¹	44.9	45.3	s	21.8	22.1	A,B,D,E Others²	44.0	45.0	s	15.5	16.2

Source : Comprehensive Labour Force Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' occupation includes Agricultural and Fishery Workers and Workers Not Elsewhere Classified.

² 'Others' industry includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Note :

s : Data suppressed due to small number of observations.

C.8 PROPORTION OF ESTABLISHMENTS OFFERING FORMAL FLEXIBLE WORK ARRANGEMENTS, JUNE 2020

								Per Cent
SSIC 2015	Industry	Total ¹	Part-time working	Flexi-time/ Staggered Hours	Formal Tele-working	Compressed Work Week	Job Sharing	Homeworking
	TOTAL (Public & Private Sectors)	78.5	43.8	59.0	46.2	10.2	15.0	9.7
	TOTAL (Private Sector)	78.3	43.4	58.7	45.9	10.3	15.0	9.8
	< By Industry (Private Sector) >							
C10-32	MANUFACTURING	76.4	31.0	56.6	45.6	10.8	14.4	12.0
C10-12	Food, Beverages & Tobacco	86.7	40.9	69.1	53.2	14.6	18.6	11.6
C17-18,22	Paper / Rubber / Plastic Products & Printing	75.1	27.6	56.8	47.0	8.1	15.1	8.6
C19-21	Petroleum, Chemical & Pharmaceutical Products	74.7	25.9	53.1	50.6	18.5	11.7	3.7
C25,28	Fabricated Metal Products, Machinery & Equipment	72.9	28.2	51.2	44.1	8.8	15.5	14.5
C26	Electronic, Computer & Optical Products	81.7	26.8	70.6	51.6	4.6	11.8	10.5
C29-30	Transport Equipment	73.6	33.4	49.5	41.0	13.7	15.5	13.1
C13-16,23-24,27,31-32	Other Manufacturing Industries	77.7	30.9	63.8	42.3	7.5	7.5	12.5
F41-43	CONSTRUCTION	65.2	23.7	48.2	43.3	10.7	18.6	13.1
G-U	SERVICES	82.9	53.0	62.6	46.9	9.9	13.9	8.1
G46-47	WHOLESALE AND RETAIL TRADE	80.5	50.5	60.9	39.3	7.3	14.2	7.3
G46	Wholesale Trade	77.6	44.7	58.8	39.4	5.7	13.3	6.5
G47	Retail Trade	92.2	73.7	69.2	38.9	13.7	17.8	10.4
H49-53	TRANSPORTATION AND STORAGE	74.5	32.3	59.7	46.5	9.2	11.4	5.0
H49,5221	Land Transport & Supporting Services	59.2	36.1	46.3	38.1	7.5	8.8	6.8
H50,5222,5225	Water Transport & Supporting Services	87.6	38.4	64.9	54.1	9.7	9.2	5.4
H51,5223	Air Transport & Supporting Services	s	s	s	s	s	s	s
H521,5224,5229,53	Other Transportation & Storage Services	72.5	25.8	61.7	45.3	8.6	13.6	3.3

Source : Conditions of Employment Survey, Manpower Research & Statistics Department, MOM

¹ 'Total' refers to establishments offering at least one type of formal flexible work arrangement (excluding unplanned time-off and informal/ad-hoc tele-working).

Notes :

1) Data pertain to private sector establishments each with at least 25 employees and the public sector.

2) Data pertain to permanent employees and employees on term contract of at least one year.

3) Figures refer to establishments that offered the respective formal flexible work arrangements as a proportion of all establishments.

4) Data do not add up to 'total' as establishments can offer more than one formal flexible work arrangement.

5) s : Data have been suppressed due to small number of observations.

C.8 PROPORTION OF ESTABLISHMENTS OFFERING FORMAL FLEXIBLE WORK ARRANGEMENTS, JUNE 2020 (continued)

SSIC 2015	Industry	Total ¹	Part-time working	Flexi-time/ Staggered Hours	Formal Tele-working	Compressed Work Week	Per Cent	
							Job Sharing	Homeworking
I55-56	ACCOMMODATION AND FOOD SERVICES	90.3	70.7	68.7	40.1	14.0	18.1	10.6
I55	Accommodation	91.9	57.3	78.2	53.2	10.5	13.7	-
I56	Food & Beverage Services	90.1	72.2	67.6	38.6	14.4	18.6	11.7
J58-63	INFORMATION AND COMMUNICATIONS	86.6	38.9	64.4	76.0	7.3	8.6	0.9
J58-61	Telecommunications, Broadcasting & Publishing	89.9	43.2	75.5	74.8	5.8	7.2	2.2
J62-63	IT & Other Information Services	85.1	37.0	59.5	76.6	7.9	9.2	0.3
K64-66	FINANCIAL AND INSURANCE SERVICES	77.9	40.8	61.8	59.0	8.1	6.6	1.1
K64 & 66 (excl. 662)	Financial Services	73.5	36.9	56.9	56.1	7.3	6.0	1.3
K65 & 662	Insurance Services	97.7	58.1	83.7	72.1	11.6	9.3	-
L68	REAL ESTATE SERVICES	83.2	52.0	72.8	49.0	5.9	14.9	10.9
M69-75	PROFESSIONAL SERVICES	87.5	43.2	71.6	67.2	12.2	14.3	9.4
M69-70	Legal, Accounting & Management Services	91.2	49.3	79.8	72.2	15.1	10.5	7.1
M71	Architectural & Engineering Services	84.3	41.5	66.4	62.7	10.0	18.4	11.5
M72-75	Other Professional Services	85.1	29.9	61.2	64.9	9.7	14.2	10.4
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	84.2	58.6	51.4	40.6	9.9	14.0	8.3
N80	Security & Investigation	85.9	73.0	47.9	38.0	10.4	19.0	12.3
N81	Cleaning & Landscaping	85.0	70.8	42.3	28.3	13.3	11.8	7.3
N77-79,82	Other Administrative & Support Services	82.7	41.2	61.7	53.5	6.5	14.2	7.7
P-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	80.9	63.9	61.2	41.5	11.3	14.9	12.2
P85	Education	86.0	71.5	51.7	44.6	7.0	6.6	13.2
Q86-88	Health & Social Services	86.9	71.0	67.5	38.9	9.9	17.5	4.5
R-U	Other Community, Social & Personal Services	76.8	58.4	61.6	41.6	13.3	16.5	15.1
A,B,D,E,V	Others²	84.7	34.1	60.0	42.4	14.1	30.6	20.0

Source : Conditions of Employment Survey, Manpower Research & Statistics Department, MOM

¹ 'Total' refers to establishments offering at least one type of formal flexible work arrangement (excluding unplanned time-off and informal/ad-hoc tele-working).

² 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Data pertain to private sector establishments each with at least 25 employees and the public sector.

2) Data pertain to permanent employees and employees on term contract of at least one year.

3) Figures refer to establishments that offered the respective formal flexible work arrangements as a proportion of all establishments.

4) Data do not add up to 'total' as establishments can offer more than one formal flexible work arrangement.

5) s : Data have been suppressed due to small number of observations.

C.9 PROPORTION OF ESTABLISHMENTS BY TYPES OF NON-STATUTORY FAMILY-FRIENDLY PAID LEAVE PROVIDED, JUNE 2020

							Per Cent
SSIC 2015	Industry	Compassionate Leave	Marriage Leave	Unpaid Leave Of More Than 1 Month	Study / Examination Leave	Childcare Sick Leave (MC Required)	Family Care Leave
	TOTAL (Public & Private Sectors)	85.1	66.3	53.2	36.5	27.3	19.5
	TOTAL (Private Sector)	85.1	66.1	53.0	36.2	27.0	19.2
	< By Industry (Private Sector) >						
C10-32	MANUFACTURING	85.5	70.5	61.9	37.3	23.7	14.8
C10-12	Food, Beverages & Tobacco	87.7	71.8	60.1	26.9	22.6	20.3
C17-18,22	Paper / Rubber / Plastic Products & Printing	89.2	75.7	48.1	24.9	23.8	15.1
C19-21	Petroleum, Chemical & Pharmaceutical Products	93.8	89.5	67.9	63.6	22.2	22.2
C25,28	Fabricated Metal Products, Machinery & Equipment	84.3	66.5	65.2	33.8	27.1	11.1
C26	Electronic, Computer & Optical Products	93.5	90.2	69.3	51.0	11.1	24.8
C29-30	Transport Equipment	74.8	54.5	65.0	33.6	28.8	13.7
C13-16,23-24,27,31-32	Other Manufacturing Industries	94.3	83.4	51.3	50.6	14.7	9.8
F41-43	CONSTRUCTION	68.0	52.5	51.9	27.0	26.0	17.7
G-U	SERVICES	90.3	69.2	50.8	38.8	28.2	20.7
G46-47	WHOLESALE AND RETAIL TRADE	89.4	68.5	46.5	34.6	30.2	18.1
G46	Wholesale Trade	89.7	70.8	45.8	37.9	29.1	17.7
G47	Retail Trade	88.2	59.0	49.3	21.3	34.6	19.9
H49-53	TRANSPORTATION AND STORAGE	91.4	75.0	52.4	38.5	24.8	16.7
H49,5221	Land Transport & Supporting Services	96.6	55.8	52.4	36.1	32.0	20.4
H50,5222,5225	Water Transport & Supporting Services	90.3	86.5	56.2	45.9	20.0	18.4
H51,5223	Air Transport & Supporting Services	s	s	s	s	s	s
H521,5224,5229,53	Other Transportation & Storage Services	90.3	76.4	50.3	36.9	25.6	15.0

Source : Conditions of Employment Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to private sector establishments each with at least 25 employees and the public sector.
- 2) Data pertain to permanent employees and employees on term contract of at least one year.
- 3) s : Data have been suppressed due to small number of observations.

C.9 PROPORTION OF ESTABLISHMENTS BY TYPES OF NON-STATUTORY FAMILY-FRIENDLY PAID LEAVE PROVIDED, JUNE 2020 (continued)

							Per Cent
SSIC 2015	Industry	Compassionate Leave	Marriage Leave	Unpaid Leave Of More Than 1 Month	Study / Examination Leave	Childcare Sick Leave (MC Required)	Family Care Leave
I55-56	ACCOMMODATION AND FOOD SERVICES	85.0	59.7	49.0	21.5	30.3	11.6
I55	Accommodation	96.0	83.9	81.5	63.7	18.5	20.2
I56	Food & Beverage Services	83.8	57.1	45.4	16.9	31.6	10.7
J58-63	INFORMATION AND COMMUNICATIONS	98.0	84.0	53.6	47.9	23.1	29.9
J58-61	Telecommunications, Broadcasting & Publishing	100.0	86.3	59.0	57.6	24.5	42.4
J62-63	IT & Other Information Services	97.2	82.9	51.3	43.7	22.5	24.4
K64-66	FINANCIAL AND INSURANCE SERVICES	99.6	92.6	63.7	74.7	15.3	36.1
K64 & 66 (excl. 662)	Financial Services	99.5	92.5	65.2	72.2	17.7	37.4
K65 & 662	Insurance Services	100.0	93.0	57.0	86.0	4.7	30.2
L68	REAL ESTATE SERVICES	92.6	80.2	44.1	52.5	14.4	26.7
M69-75	PROFESSIONAL SERVICES	94.8	69.7	55.8	54.4	19.2	19.5
M69-70	Legal, Accounting & Management Services	97.3	74.4	58.0	66.8	16.8	23.4
M71	Architectural & Engineering Services	94.5	59.6	54.6	43.8	20.7	12.6
M72-75	Other Professional Services	88.1	84.3	52.2	46.3	22.4	26.9
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	86.3	58.1	51.4	30.1	31.4	20.0
N80	Security & Investigation	84.7	47.9	46.6	25.8	37.4	22.1
N81	Cleaning & Landscaping	84.0	47.0	48.8	23.5	34.5	20.0
N77-79,82	Other Administrative & Support Services	89.2	72.8	55.9	38.1	26.0	19.3
P-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	89.7	69.0	50.0	39.8	37.2	27.5
P85	Education	97.9	82.6	58.7	48.8	51.2	36.4
Q86-88	Health & Social Services	98.4	83.4	55.1	63.7	31.8	31.8
R-U	Other Community, Social & Personal Services	83.4	58.6	45.2	27.0	34.9	22.8
A,B,D,E,V	Others¹	89.4	70.6	75.3	35.3	21.2	35.3

Source : Conditions of Employment Survey, Manpower Research & Statistics Department, MOM

¹ Others includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Data pertain to private sector establishments each with at least 25 employees and the public sector.

2) Data pertain to permanent employees and employees on term contract of at least one year.

3) s : Data have been suppressed due to small number of observations.

C.10 DISTRIBUTION OF FULL-TIME EMPLOYEES BY WORK-WEEK PATTERN, JUNE 2020

SSIC 2015	Industry	Total	5 Days	5½ Days ^	6 Days ^	Per Cent	
						Shift Work	Others ¹
	TOTAL (Public & Private Sectors)	100.0	52.0	17.6	16.2	13.5	0.6
	TOTAL (Private Sector)	100.0	49.2	18.9	17.6	13.6	0.7
	< By Industry (Private Sector) >						
C10-32	MANUFACTURING	100.0	52.0	18.6	7.8	21.2	0.4
C10-12	Food, Beverages & Tobacco	100.0	22.7	24.2	37.4	12.8	2.9
C17-18,22	Paper / Rubber / Plastic Products & Printing	100.0	58.8	19.4	6.3	15.0	0.4
C19-21	Petroleum, Chemical & Pharmaceutical Products	100.0	65.7	5.0	1.1	28.0	0.2
C25,28	Fabricated Metal Products, Machinery & Equipment	100.0	55.8	28.9	9.6	5.7	0.1
C26	Electronic, Computer & Optical Products	100.0	54.5	0.9	1.5	42.9	0.2
C29-30	Transport Equipment	100.0	50.5	31.3	1.6	16.5	0.1
C13-16,23-24,27,31-32	Other Manufacturing Industries	100.0	52.7	10.2	10.5	26.6	0.1
F41-43	CONSTRUCTION	100.0	16.0	39.9	42.2	1.0	0.9
G-U	SERVICES	100.0	55.3	14.7	15.1	14.1	0.7
G46-47	WHOLESALE AND RETAIL TRADE	100.0	48.5	19.1	22.5	8.7	1.2
G46	Wholesale Trade	100.0	54.7	20.8	15.3	8.1	1.1
G47	Retail Trade	100.0	31.1	14.2	42.7	10.4	1.5
H49-53	TRANSPORTATION AND STORAGE	100.0	38.5	20.8	10.3	29.9	0.4
H49,5221	Land Transport & Supporting Services	100.0	19.7	27.0	41.6	11.4	0.4
H50,5222,5225	Water Transport & Supporting Services	100.0	48.5	7.7	1.7	41.9	0.1
H51,5223	Air Transport & Supporting Services	s	s	s	s	s	s
H521,5224,5229,53	Other Transportation & Storage Services	100.0	49.6	36.3	3.9	9.2	0.9

Source : Conditions of Employment Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' refers to irregular work-week patterns which include working less than 5 days.

Notes :

1) Data pertain to private sector establishments each with at least 25 employees and the public sector.

2) ^ : Includes those with periodic Sat off - e.g. off on a Sat on alternate week/ once in three weeks/ once a month.

3) Data may not add up to total due to rounding.

4) s : Data have been suppressed due to small number of observations.

C.10 DISTRIBUTION OF FULL-TIME EMPLOYEES BY WORK-WEEK PATTERN, JUNE 2020 (continued)

SSIC 2015	Industry	Total	5 Days	5½ Days ^	6 Days ^	Per Cent	
						Shift Work	Others ¹
I55-56	ACCOMMODATION AND FOOD SERVICES	100.0	26.0	10.0	38.3	24.4	1.3
I55	Accommodation	100.0	47.8	4.6	13.3	33.5	0.8
I56	Food & Beverage Services	100.0	21.2	11.2	43.7	22.4	1.5
J58-63	INFORMATION AND COMMUNICATIONS	100.0	94.3	1.0	0.4	3.5	0.8
J58-61	Telecommunications, Broadcasting & Publishing	100.0	87.4	1.7	0.8	9.2	0.9
J62-63	IT & Other Information Services	100.0	97.3	0.8	0.2	1.1	0.7
K64-66	FINANCIAL AND INSURANCE SERVICES	100.0	87.0	5.9	0.7	6.3	0.1
K64 & 66 (excl. 662)	Financial Services	100.0	86.1	6.1	0.8	6.9	0.1
K65 & 662	Insurance Services	100.0	96.1	3.4	-	0.5	0.1
L68	REAL ESTATE SERVICES	100.0	47.4	21.3	19.9	9.8	1.6
M69-75	PROFESSIONAL SERVICES	100.0	79.9	10.8	2.9	5.9	0.5
M69-70	Legal, Accounting & Management Services	100.0	83.6	4.6	1.1	10.3	0.4
M71	Architectural & Engineering Services	100.0	70.7	22.3	6.2	0.6	0.3
M72-75	Other Professional Services	100.0	88.5	7.7	1.7	0.3	1.7
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	100.0	33.0	21.4	31.2	13.6	0.8
N80	Security & Investigation	100.0	12.8	8.5	33.0	44.8	0.9
N81	Cleaning & Landscaping	100.0	19.0	32.9	45.9	2.0	0.2
N77-79,82	Other Administrative & Support Services	100.0	66.6	13.6	8.8	9.7	1.4
P-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	100.0	49.3	18.9	10.8	20.5	0.6
P85	Education	100.0	81.9	15.3	0.8	1.5	0.5
Q86-88	Health & Social Services	100.0	39.2	26.7	8.2	25.7	0.3
R-U	Other Community, Social & Personal Services	100.0	33.6	11.5	23.2	30.5	1.1
A,B,D,E,V	Others²	100.0	53.2	12.3	25.7	8.8	-

Source : Conditions of Employment Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' refers to irregular work-week patterns which include working less than 5 days.

² 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Data pertain to private sector establishments each with at least 25 employees and the public sector.

2) ^ : Includes those with periodic Sat off - e.g. off on a Sat on alternate week/ once in three weeks/ once a month.

3) Data may not add up to total due to rounding.

4) s : Data have been suppressed due to small number of observations.

C.11 DISTRIBUTION OF FULL -TIME EMPLOYEES BY ANNUAL LEAVE ENTITLEMENT, JUNE 2020

SSIC 2015	Industry	Total	Over 21 Days	15 – 21 Days	Per Cent
					14 Days and Below ¹
	TOTAL (Public & Private Sectors)	100.0	13.2	34.4	52.4
	TOTAL (Private Sector)	100.0	11.9	33.3	54.7
	< By Industry (Private Sector) >				
C10-32	MANUFACTURING	100.0	4.9	38.8	56.3
C10-12	Food, Beverages & Tobacco	100.0	1.9	18.1	80.0
C17-18,22	Paper / Rubber / Plastic Products & Printing	100.0	0.7	38.1	61.2
C19-21	Petroleum, Chemical & Pharmaceutical Products	100.0	17.1	58.5	24.4
C25,28	Fabricated Metal Products, Machinery & Equipment	100.0	3.9	31.9	64.1
C26	Electronic, Computer & Optical Products	100.0	5.3	54.5	40.2
C29-30	Transport Equipment	100.0	4.8	32.0	63.1
C13-16,23-24,27,31-32	Other Manufacturing Industries	100.0	1.4	39.2	59.4
F41-43	CONSTRUCTION	100.0	0.9	7.8	91.2
G-U	SERVICES	100.0	16.1	37.1	46.8
G46-47	WHOLESALE AND RETAIL TRADE	100.0	5.7	34.9	59.3
G46	Wholesale Trade	100.0	5.4	37.2	57.4
G47	Retail Trade	100.0	6.7	28.4	64.9
H49-53	TRANSPORTATION AND STORAGE	100.0	8.6	39.4	52.0
H49,5221	Land Transport & Supporting Services	100.0	0.9	36.8	62.3
H50,5222,5225	Water Transport & Supporting Services	100.0	11.1	46.0	43.0
H51,5223	Air Transport & Supporting Services	s	s	s	s
H521,5224,5229,53	Other Transportation & Storage Services	100.0	4.8	38.5	56.7

Source : Conditions of Employment Survey, Manpower Research & Statistics Department, MOM

¹ '14 Days and Below' includes employees who were not entitled to a fixed number of paid annual leave days.

Notes :

1) Data pertain to private sector establishments each with at least 25 employees and the public sector.

2) Data may not add up to the total due to rounding.

3) s : Data have been suppressed due to small number of observations.

C.11 DISTRIBUTION OF FULL -TIME EMPLOYEES BY ANNUAL LEAVE ENTITLEMENT, JUNE 2020 (continued)

SSIC 2015	Industry	Total	Over 21 Days	15 – 21 Days	Per Cent
					14 Days and Below ¹
I55-56	ACCOMMODATION AND FOOD SERVICES	100.0	1.7	14.8	83.6
I55	Accommodation	100.0	7.2	38.5	54.2
I56	Food & Beverage Services	100.0	0.5	9.6	90.0
J58-63	INFORMATION AND COMMUNICATIONS	100.0	11.8	65.3	22.9
J58-61	Telecommunications, Broadcasting & Publishing	100.0	15.8	71.2	13.1
J62-63	IT & Other Information Services	100.0	10.1	62.8	27.1
K64-66	FINANCIAL AND INSURANCE SERVICES	100.0	59.4	34.2	6.5
K64 & 66 (excl. 662)	Financial Services	100.0	62.7	31.3	6.0
K65 & 662	Insurance Services	100.0	26.3	62.7	11.1
L68	REAL ESTATE SERVICES	100.0	5.7	37.6	56.7
M69-75	PROFESSIONAL SERVICES	100.0	16.5	59.6	23.9
M69-70	Legal, Accounting & Management Services	100.0	24.1	63.8	12.1
M71	Architectural & Engineering Services	100.0	6.4	46.1	47.5
M72-75	Other Professional Services	100.0	9.0	78.4	12.6
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	100.0	1.7	11.4	86.8
N80	Security & Investigation	100.0	0.7	3.1	96.2
N81	Cleaning & Landscaping	100.0	0.3	2.8	97.0
N77-79,82	Other Administrative & Support Services	100.0	4.5	29.7	65.8
P-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	100.0	20.0	42.9	37.1
P85	Education	100.0	27.9	45.5	26.6
Q86-88	Health & Social Services	100.0	26.3	47.9	25.8
R-U	Other Community, Social & Personal Services	100.0	3.6	33.4	62.9
A,B,D,E,V	Others²	100.0	14.2	39.0	46.8

Source : Conditions of Employment Survey, Manpower Research & Statistics Department, MOM

¹ '14 Days and Below' includes employees who were not entitled to a fixed number of paid annual leave days.² 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Data pertain to private sector establishments each with at least 25 employees and the public sector.

2) Data may not add up to the total due to rounding.

3) s : Data have been suppressed due to small number of observations.

Labour Turnover, Retrenchment, Job Vacancy And Employment Service



LABOUR TURNOVER, RETRENCHMENT, JOB VACANCY AND EMPLOYMENT SERVICE

Source of Data

Statistics on Labour Turnover, Retrenchment and Job Vacancy are compiled from the Labour Market Survey conducted by the Manpower Research and Statistics Department of the Ministry of Manpower. Before 2006, the survey covered private sector establishments with at least 25 employees. From 2006 onwards, the survey also includes the public sector.

Statistics on New Registrants seeking employment and/or training assistance at the Workforce Singapore (WSG)'s career matching service (CMS) physical touch points such as Careers Connect and the National Trades Union Congress (NTUC)'s Employment and Employability Institute (e2i) centres, as well as job seekers placed into employment by these touch points, are compiled by WSG. WSG is a statutory board under the Ministry of Manpower. It works with individuals, businesses and partners to minimise mismatches and maximise matching between jobs and skills, workers and businesses.

Concepts and Definitions

Average Monthly Resignation/ Recruitment Rate for a year is the simple average of the quarterly figures. The monthly rate during a quarter is defined as the average number of persons resigned/ recruited in a month during the quarter divided by the average number of employees in the establishment. Resignation refers to the termination of employment initiated by the employee.

The use of average monthly rate is preferred to the cumulative annual rate as the latter is liable to misinterpretation. For example, the annual resignation rate obtained by dividing the **total** number of resignations during the year by the **average** employment during the year could amount to 40 per 100 employees. This might imply that 40% of all employees voluntarily left their jobs during the year. This is probably not the case as many jobs in a given establishment are vacated and refilled more than once during the year. Over shorter periods of time, the resignation rates have less repetitive counting of employees holding the same jobs.

Retrenchment refers to

- i) termination of permanent employees due to redundancy; and
- ii) early termination of term contract employees due to redundancy.

In the public sector, it includes those who left service under the Special Resignation Scheme that allows redundant non-deployable Civil Service or Statutory Board employees to leave their organisations with compensation.

Job Vacancy Rate for a year is the simple average of the quarterly figures. The job vacancy rate refers to the total number of job vacancies divided by the demand for manpower at the end of the quarter. The demand for manpower is defined as the sum of the number of employees and job vacancies at the end of the quarter.

Job Vacancy To Unemployed Person Ratio is a ratio of the estimates of the total number of job vacancies for the whole economy to the total number of unemployed persons. The job vacancies for the whole economy is estimated based on the assumption that private sector establishments with less than 25 employees have the same vacancy rate as private establishments with 25-49 employees. Estimates on the total number of unemployed persons are obtained from the Labour Force Survey.

D.1 AVERAGE MONTHLY RECRUITMENT RATE BY INDUSTRY AND OCCUPATIONAL GROUP, 2010 – 2020

SSIC 2015	Industry	Per Cent										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	TOTAL	2.8	2.7	2.8	2.7	2.6	2.4	2.2	2.1	2.3	2.2	1.6
C10-32	MANUFACTURING	2.0	2.0	1.9	1.9	1.8	1.6	1.6	1.8	1.9	1.7	1.1
C10-12	Food, Beverages & Tobacco	3.2	3.1	3.1	3.2	3.1	3.2	2.9	3.0	3.2	2.9	2.2
C17-18,22	Paper / Rubber / Plastic Products & Printing	2.3	2.0	2.1	1.8	1.9	1.7	1.6	1.9	1.8	1.6	1.4
C19-21	Petroleum, Chemical & Pharmaceutical Products	1.5	1.4	1.6	1.8	1.8	1.4	1.4	1.4	1.3	1.3	1.0
C25,28	Fabricated Metal Products, Machinery & Equipment	1.9	2.1	2.1	1.9	1.8	1.4	1.4	1.6	1.9	1.8	1.0
C26	Electronic, Computer & Optical Products	2.2	1.8	1.6	1.5	1.7	1.6	1.6	2.5	1.8	1.6	1.0
C29-30	Transport Equipment	1.5	1.8	1.5	1.8	1.3	1.1	1.2	1.2	1.7	1.4	0.6
C13-16,23-24,27,31-32	Other Manufacturing Industries	2.3	2.2	2.2	2.0	2.0	1.8	1.8	1.6	1.6	1.5	1.2
F41-43	CONSTRUCTION	2.5	2.8	3.4	3.3	2.6	2.5	2.1	1.7	2.0	2.2	1.0
G-U	SERVICES	3.2	3.0	2.9	2.8	2.8	2.6	2.4	2.3	2.4	2.4	1.8
G46-47	WHOLESALE AND RETAIL TRADE	3.6	3.2	3.4	3.5	3.1	2.7	2.5	2.4	2.4	2.2	1.8
G46	Wholesale Trade	2.8	2.6	2.8	2.8	2.4	2.0	1.9	1.8	2.0	1.9	1.5
G47	Retail Trade	5.2	4.7	4.9	5.1	4.8	4.1	3.8	3.5	3.4	2.9	2.6
H49-53	TRANSPORTATION AND STORAGE	2.3	2.4	2.3	2.3	2.1	2.0	1.8	1.7	1.8	1.7	1.1
H49,5221	Land Transport & Supporting Services	2.2	2.5	2.5	2.2	2.1	2.2	1.9	1.7	1.8	1.8	1.2
H50,5222,5225	Water Transport & Supporting Services	1.9	2.0	2.1	2.2	1.8	1.7	1.4	1.5	1.1	1.2	1.0
H51,5223	Air Transport & Supporting Services	1.5	1.7	1.7	1.5	1.1	1.5	1.3	1.1	1.6	1.5	0.4
H521,5224,5229,53	Other Transportation & Storage Services	3.4	3.1	2.9	3.0	3.1	2.4	2.4	2.3	2.5	2.3	1.5
I55-56	ACCOMMODATION AND FOOD SERVICES	4.7	4.9	4.6	4.6	4.7	4.5	3.9	3.7	3.7	4.0	3.2
I55	Accommodation	4.0	3.7	3.5	3.4	3.4	3.5	2.9	2.8	2.8	3.1	1.1
I56	Food & Beverage Services	5.0	5.2	4.8	4.9	5.0	4.7	4.2	4.0	3.9	4.1	3.6

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

D.1 AVERAGE MONTHLY RECRUITMENT RATE BY INDUSTRY AND OCCUPATIONAL GROUP, 2010 – 2020 (continued)

SSIC 2015	Industry	Per Cent										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
J58-63	INFORMATION AND COMMUNICATIONS	3.2	3.0	2.8	2.7	3.0	2.6	2.2	2.0	2.3	2.4	2.2
J58-61	Telecommunications, Broadcasting & Publishing	2.3	2.5	2.6	2.3	2.5	2.2	1.8	1.6	1.7	1.7	1.4
J62-63	IT & Other Information Services	3.9	3.3	2.9	3.0	3.3	3.0	2.4	2.2	2.6	2.7	2.5
K64-66	FINANCIAL AND INSURANCE SERVICES	2.7	2.4	1.9	2.1	2.2	2.0	1.9	1.8	2.1	1.8	1.3
K64 & 66 (excl. 662)	Financial Services	2.8	2.4	1.8	2.0	2.1	1.9	1.8	1.8	2.1	1.8	1.3
K65 & 662	Insurance Services	2.5	3.0	2.5	2.4	2.5	2.5	2.5	2.3	2.2	2.3	1.8
L68	REAL ESTATE SERVICES	3.9	4.1	4.1	3.6	3.8	3.5	3.5	3.4	3.3	3.2	1.8
M69-75	PROFESSIONAL SERVICES	2.7	2.8	2.9	2.5	2.3	2.2	2.3	2.0	2.5	2.2	1.6
M69-70	Legal, Accounting & Management Services	3.2	2.9	2.6	2.5	2.4	2.5	2.3	2.1	2.3	2.4	1.8
M71	Architectural & Engineering Services	2.1	2.6	3.5	2.4	2.2	1.8	2.3	1.9	2.8	2.1	1.2
M72-75	Other Professional Services	2.9	2.8	2.5	2.4	2.2	2.3	2.0	1.8	2.3	2.1	1.5
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	4.8	4.9	4.6	4.8	5.2	4.7	4.4	4.6	4.5	4.3	3.3
N80	Security & Investigation	5.3	5.6	5.1	5.0	4.6	4.2	3.5	3.7	3.9	4.5	3.8
N81	Cleaning & Landscaping	5.1	5.0	5.0	4.9	5.6	5.1	4.8	4.6	4.7	4.5	3.3
N77-79,82	Other Administrative & Support Services	4.2	4.0	3.7	4.3	5.3	4.8	4.9	5.5	4.5	4.0	2.8
O-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	2.3	1.9	1.8	1.6	1.6	1.6	1.4	1.3	1.5	1.5	1.2
O84,P85	Public Administration & Education	1.3	1.3	1.3	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1
Q86-88	Health & Social Services	2.4	2.3	2.3	2.0	2.1	2.0	1.6	1.6	1.7	1.7	1.6
R90-93	Arts, Entertainment & Recreation	5.9	2.9	2.4	2.2	2.4	2.6	1.7	1.8	1.9	2.0	1.1
S,T,U	Other Community, Social & Personal Services	3.0	2.9	2.9	2.6	2.4	2.2	2.2	2.0	2.6	2.1	1.3
A,B,D,E,V	Others¹	2.0	2.1	2.4	2.2	2.1	1.6	1.3	1.4	1.8	1.6	1.1
	OCCUPATIONAL GROUP											
	Professionals, Managers, Executives & Technicians	2.2	2.1	1.9	1.9	1.9	1.8	1.6	1.5	1.7	1.7	1.3
	Clerical, Sales & Service Workers	4.0	3.8	3.7	3.8	3.8	3.5	3.1	3.1	3.2	3.2	2.4
	Production & Transport Operators, Cleaners & Labourers	2.7	2.8	3.1	3.1	2.9	2.6	2.5	2.4	2.5	2.5	1.6

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

D.2 AVERAGE MONTHLY RESIGNATION RATE BY INDUSTRY AND OCCUPATIONAL GROUP, 2010 – 2020

												Per Cent
SSIC 2015	Industry	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	TOTAL	2.0	2.0	2.1	2.0	2.0	1.9	1.8	1.8	1.8	1.8	1.5
C10-32	MANUFACTURING	1.5	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.2
C10-12	Food, Beverages & Tobacco	2.8	2.7	2.5	2.5	2.8	2.6	2.6	2.5	2.8	2.6	2.3
C17-18,22	Paper / Rubber / Plastic Products & Printing	2.1	2.0	2.0	1.8	1.9	1.6	1.7	1.7	1.7	1.6	1.7
C19-21	Petroleum, Chemical & Pharmaceutical Products	0.9	0.9	1.0	1.0	1.2	1.0	0.9	0.9	0.9	0.8	0.7
C25,28	Fabricated Metal Products, Machinery & Equipment	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.6	1.5	1.4	1.2
C26	Electronic, Computer & Optical Products	1.6	1.6	1.5	1.4	1.5	1.3	1.4	1.5	1.6	1.5	1.0
C29-30	Transport Equipment	1.2	1.3	1.2	1.1	1.2	1.3	1.3	1.4	1.3	1.2	1.1
C13-16,23-24,27,31-32	Other Manufacturing Industries	1.6	1.8	1.8	1.7	1.7	1.6	1.4	1.3	1.5	1.4	1.2
F41-43	CONSTRUCTION	1.8	1.7	1.8	2.0	1.9	1.8	1.7	1.8	1.8	1.8	1.4
G-U	SERVICES	2.3	2.2	2.3	2.2	2.2	2.0	1.9	1.9	1.9	1.8	1.6
G46-47	WHOLESALE AND RETAIL TRADE	2.9	2.6	2.9	2.9	2.6	2.2	2.2	2.0	2.0	1.8	1.7
G46	Wholesale Trade	2.1	1.9	2.2	2.2	2.0	1.7	1.7	1.6	1.6	1.4	1.4
G47	Retail Trade	4.7	4.2	4.4	4.3	4.0	3.4	3.2	3.0	3.0	2.4	2.3
H49-53	TRANSPORTATION AND STORAGE	1.6	1.6	1.6	1.7	1.7	1.5	1.4	1.3	1.3	1.4	1.1
H49,5221	Land Transport & Supporting Services	1.7	1.7	1.5	1.4	1.5	1.4	1.3	1.3	1.3	1.1	1.0
H50,5222,5225	Water Transport & Supporting Services	1.2	1.2	1.4	1.6	1.2	1.1	1.0	0.9	0.9	0.9	0.8
H51,5223	Air Transport & Supporting Services	0.9	0.9	0.9	0.9	1.0	1.0	0.9	0.8	1.0	0.9	0.8
H521,5224,5229,53	Other Transportation & Storage Services	2.3	2.3	2.4	2.4	2.6	2.1	2.0	1.9	1.9	2.1	1.5
I55-56	ACCOMMODATION AND FOOD SERVICES	4.1	4.2	4.3	4.1	4.3	4.0	3.6	3.6	3.3	3.4	3.5
I55	Accommodation	3.0	2.8	3.2	3.1	3.0	3.0	2.6	2.6	2.4	2.5	2.1
I56	Food & Beverage Services	4.4	4.6	4.6	4.3	4.6	4.3	3.8	3.8	3.4	3.6	3.7

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

D.2 AVERAGE MONTHLY RESIGNATION RATE BY INDUSTRY AND OCCUPATIONAL GROUP, 2010 – 2020 (continued)

												Per Cent
SSIC 2015	Industry	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
J58-63	INFORMATION AND COMMUNICATIONS	2.1	1.9	2.0	2.0	1.8	1.8	1.7	1.6	1.6	1.6	1.5
J58-61	Telecommunications, Broadcasting & Publishing	1.6	1.7	1.7	1.6	1.5	1.5	1.4	1.2	1.2	1.2	1.2
J62-63	IT & Other Information Services	2.5	2.0	2.2	2.2	2.0	2.0	1.9	1.8	1.8	1.8	1.7
K64-66	FINANCIAL AND INSURANCE SERVICES	1.6	1.5	1.2	1.4	1.4	1.3	1.2	1.3	1.4	1.2	0.9
K64 & 66 (excl. 662)	Financial Services	1.6	1.4	1.2	1.3	1.3	1.2	1.2	1.2	1.3	1.2	0.8
K65 & 662	Insurance Services	1.7	1.7	1.6	1.6	1.9	1.7	1.6	1.6	1.6	1.6	1.2
L68	REAL ESTATE SERVICES	3.3	3.2	3.3	3.0	3.4	3.1	2.9	2.7	2.5	2.5	1.6
M69-75	PROFESSIONAL SERVICES	1.9	1.8	1.8	1.8	1.8	1.8	1.6	1.5	1.6	1.7	1.3
M69-70	Legal, Accounting & Management Services	2.2	1.9	1.9	1.9	1.8	1.8	1.7	1.6	1.6	1.6	1.4
M71	Architectural & Engineering Services	1.5	1.6	1.7	1.7	1.8	1.6	1.5	1.5	1.7	1.7	1.3
M72-75	Other Professional Services	2.2	2.1	2.0	1.7	1.7	2.1	1.6	1.5	1.8	1.8	1.1
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	4.1	3.9	4.1	3.8	4.0	3.4	3.5	3.6	3.4	3.5	3.1
N80	Security & Investigation	4.4	4.5	4.6	4.0	3.7	3.1	2.8	3.0	3.0	3.8	3.4
N81	Cleaning & Landscaping	5.1	4.5	4.7	4.3	4.7	4.2	4.1	4.3	4.2	3.9	3.4
N77-79,82	Other Administrative & Support Services	3.0	2.8	3.1	3.1	3.4	2.9	3.3	3.3	2.5	2.7	2.3
O-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.1	1.0	0.9
O84,P85	Public Administration & Education	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.6	0.7	0.7	0.6
Q86-88	Health & Social Services	1.3	1.4	1.3	1.2	1.2	1.2	1.1	1.1	1.2	1.2	1.0
R90-93	Arts, Entertainment & Recreation	2.0	1.9	1.9	2.0	2.1	2.2	1.6	1.6	1.5	1.6	1.5
S,T,U	Other Community, Social & Personal Services	2.6	2.5	2.5	2.4	2.2	1.9	1.9	1.8	2.3	1.8	1.6
A,B,D,E,V	Others¹	1.6	1.7	1.7	1.5	1.5	1.4	1.2	1.4	1.4	1.2	0.9
	OCCUPATIONAL GROUP											
	Professionals, Managers, Executives & Technicians	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.3	1.2	1.0
	Clerical, Sales & Service Workers	3.1	3.0	3.1	3.1	3.1	2.8	2.7	2.6	2.5	2.6	2.4
	Production & Transport Operators, Cleaners & Labourers	2.1	2.1	2.2	2.2	2.3	2.1	2.1	2.2	2.2	2.1	1.9

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.

2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

D.3 AVERAGE MONTHLY RECRUITMENT AND RESIGNATION RATES BY INDUSTRY AND OCCUPATIONAL GROUP, 2020

Per Cent

SSIC 2015	Industry	Total		Occupational Group					
				Professionals, Managers, Executives & Technicians		Clerical, Sales & Service Workers		Production & Transport Operators, Cleaners & Labourers	
		Recruitment	Resignation	Recruitment	Resignation	Recruitment	Resignation	Recruitment	Resignation
	TOTAL	1.6	1.5	1.3	1.0	2.4	2.4	1.6	1.9
C10-32	MANUFACTURING	1.1	1.2	0.9	0.8	1.7	1.7	1.1	1.6
C10-12	Food, Beverages & Tobacco	2.2	2.3	1.3	1.1	2.7	2.6	2.5	2.7
C17-18,22	Paper / Rubber / Plastic Products & Printing	1.4	1.7	1.1	1.0	1.9	1.7	1.6	2.2
C19-21	Petroleum, Chemical & Pharmaceutical Products	1.0	0.7	1.0	0.6	1.3	0.7	0.8	1.2
C25,28	Fabricated Metal Products, Machinery & Equipment	1.0	1.2	1.0	0.9	1.2	1.3	1.0	1.4
C26	Electronic, Computer & Optical Products	1.0	1.0	0.7	0.7	1.1	0.6	1.5	1.6
C29-30	Transport Equipment	0.6	1.1	0.6	0.7	0.8	1.6	0.5	1.2
C13-16,23-24,27,31-32	Other Manufacturing Industries	1.2	1.2	1.2	1.0	1.3	1.2	1.2	1.4
F41-43	CONSTRUCTION	1.0	1.4	1.3	1.2	1.4	1.4	0.9	1.5
G-U	SERVICES	1.8	1.6	1.4	1.0	2.5	2.5	2.4	2.4
G46-47	WHOLESALE AND RETAIL TRADE	1.8	1.7	1.1	0.8	2.5	2.3	2.5	2.5
G46	Wholesale Trade	1.5	1.4	1.0	0.8	1.8	1.8	2.4	2.4
G47	Retail Trade	2.6	2.3	1.2	1.1	3.1	2.6	3.1	3.1
H49-53	TRANSPORTATION AND STORAGE	1.1	1.1	1.0	0.8	0.9	1.1	1.3	1.3
H49,5221	Land Transport & Supporting Services	1.2	1.0	1.1	0.7	1.4	1.3	1.2	1.0
H50,5222,5225	Water Transport & Supporting Services	1.0	0.8	1.1	0.8	0.9	0.9	0.9	0.7
H51,5223	Air Transport & Supporting Services	0.4	0.8	0.4	0.5	0.3	0.8	1.1	2.6
H521,5224,5229,53	Other Transportation & Storage Services	1.5	1.5	1.1	1.1	1.8	1.5	1.7	1.9
I55-56	ACCOMMODATION AND FOOD SERVICES	3.2	3.5	1.8	1.9	3.8	4.0	3.0	3.5
I55	Accommodation	1.1	2.1	0.9	1.5	1.2	2.3	1.3	2.9
I56	Food & Beverage Services	3.6	3.7	2.1	2.1	4.1	4.3	3.3	3.6

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

D.3 AVERAGE MONTHLY RECRUITMENT AND RESIGNATION RATES BY INDUSTRY AND OCCUPATIONAL GROUP, 2020 (continued)

Per Cent

SSIC 2015	Industry	Total		Occupational Group					
				Professionals, Managers, Executives & Technicians		Clerical, Sales & Service Workers		Production & Transport Operators, Cleaners & Labourers	
		Recruitment	Resignation	Recruitment	Resignation	Recruitment	Resignation	Recruitment	Resignation
J58-63	INFORMATION AND COMMUNICATIONS	2.2	1.5	2.1	1.4	2.5	2.8	2.7	1.8
J58-61	Telecommunications, Broadcasting & Publishing	1.4	1.2	1.3	0.9	2.0	2.9	1.5	1.6
J62-63	IT & Other Information Services	2.5	1.7	2.4	1.6	3.0	2.7	3.3	2.1
K64-66	FINANCIAL AND INSURANCE SERVICES	1.3	0.9	1.3	0.8	1.4	1.1	1.1	2.0
K64 & 66 (excl. 662)	Financial Services	1.3	0.8	1.3	0.8	1.2	0.9	1.2	2.0
K65 & 662	Insurance Services	1.8	1.2	1.7	1.1	1.9	1.5	0.7	0.4
L68	REAL ESTATE SERVICES	1.8	1.6	1.3	1.0	2.0	1.9	2.8	2.8
M69-75	PROFESSIONAL SERVICES	1.6	1.3	1.6	1.3	1.8	1.5	1.0	1.4
M69-70	Legal, Accounting & Management Services	1.8	1.4	1.8	1.4	1.9	1.5	1.3	1.4
M71	Architectural & Engineering Services	1.2	1.3	1.3	1.2	1.5	1.5	1.0	1.3
M72-75	Other Professional Services	1.5	1.1	1.4	1.0	1.9	1.8	1.4	2.0
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	3.3	3.1	2.1	1.8	3.9	3.3	3.3	3.4
N80	Security & Investigation	3.8	3.4	1.6	1.6	4.2	3.8	2.0	1.6
N81	Cleaning & Landscaping	3.3	3.4	1.4	1.3	2.0	1.6	3.5	3.6
N77-79,82	Other Administrative & Support Services	2.8	2.3	2.3	1.9	3.7	2.5	2.6	2.8
O-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	1.2	0.9	1.1	0.7	1.6	1.5	1.5	1.6
O84,P85	Public Administration & Education	1.1	0.6	1.0	0.5	1.4	0.9	2.1	0.9
Q86-88	Health & Social Services	1.6	1.0	1.4	0.9	2.0	1.3	2.0	1.2
R90-93	Arts, Entertainment & Recreation	1.1	1.5	1.2	1.1	1.2	1.6	1.0	2.0
S,T,U	Other Community, Social & Personal Services	1.3	1.6	1.2	1.0	1.6	2.0	1.1	2.1
A,B,D,E,V	Others¹	1.1	0.9	0.8	0.5	1.0	0.5	1.7	1.8

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

¹ Others includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.

2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

D.4 RETRENCHMENT BY INDUSTRY AND OCCUPATIONAL GROUP, 2010 – 2020

											Number	
SSIC 2015	Industry	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	TOTAL	9,800	9,990	11,010	11,560	12,930	15,580	19,170	14,720	10,730	10,690	26,110
C10-32	MANUFACTURING	4,490	4,460	4,050	5,000	3,970	5,210	6,280	3,790	2,570	2,790	5,320
C10-12	Food, Beverages & Tobacco	20	10	30	40	120	80	330	190	200	100	330
C17-18,22	Paper / Rubber / Plastic Products & Printing	470	660	590	380	150	570	410	480	160	170	230
C19-21	Petroleum, Chemical & Pharmaceutical Products	160	330	240	220	170	320	360	300	180	200	160
C25,28	Fabricated Metal Products, Machinery & Equipment	1,570	630	750	690	1,350	1,780	2,400	930	870	690	1,410
C26	Electronic, Computer & Optical Products	1,720	2,020	1,790	2,280	1,290	1,630	1,670	920	670	1,160	790
C29-30	Transport Equipment	280	180	130	200	440	570	720	820	310	120	1,710
C13-16,23-24,27,31-32	Other Manufacturing Industries	270	640	540	1,200	460	260	390	150	190	360	700
F41-43	CONSTRUCTION	1,350	1,050	650	1,120	1,690	1,780	1,920	2,020	1,200	860	990
G-U	SERVICES	3,960	4,430	6,300	5,430	7,260	8,510	10,880	8,900	6,960	7,000	19,760
G46-47	WHOLESALE AND RETAIL TRADE	1,170	1,050	1,830	1,280	2,190	2,180	2,380	2,180	1,780	2,090	4,980
G46	Wholesale Trade	940	750	1,270	1,180	1,490	2,150	2,200	1,920	1,580	1,850	3,810
G47	Retail Trade	220	300	560	100	700	30	180	260	210	240	1,180
H49-53	TRANSPORTATION AND STORAGE	320	230	280	450	470	690	870	900	710	770	2,780
H49,5221	Land Transport & Supporting Services	60	70	10	10	-	60	10	160	200	60	120
H50,5222,5225	Water Transport & Supporting Services	80	70	150	130	210	280	490	300	180	80	250
H51,5223	Air Transport & Supporting Services	110	30	10	100	20	110	160	20	20	50	2,000
H521,5224,5229,53	Other Transportation & Storage Services	80	70	110	210	240	250	220	430	310	580	410
I55-56	ACCOMMODATION AND FOOD SERVICES	130	350	270	220	380	200	350	470	350	170	1,700
I55	Accommodation	-	210	100	10	240	10	70	120	10	20	710
I56	Food & Beverage Services	130	140	170	210	140	190	280	350	340	150	990

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Retrenchment refers to the termination of permanent employees due to redundancy and early termination of term contract employees due to redundancy.
- 3) Data are rounded to the nearest 10. Hence, they may not add up to the total.

D.4 RETRENCHMENT BY INDUSTRY AND OCCUPATIONAL GROUP, 2010 – 2020 (continued)

SSIC 2015	Industry	Number										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
J58-63	INFORMATION AND COMMUNICATIONS	340	480	710	800	790	710	970	910	1,070	650	1,200
J58-61	Telecommunications, Broadcasting & Publishing	220	250	340	480	350	280	570	500	650	300	570
J62-63	IT & Other Information Services	120	220	370	330	440	430	400	420	420	350	620
K64-66	FINANCIAL AND INSURANCE SERVICES	610	860	1,380	1,270	1,350	1,760	2,310	1,780	1,330	1,300	2,140
K64 & 66 (excl. 662)	Financial Services	570	790	1,310	1,230	1,280	1,710	2,210	1,720	1,240	1,190	1,910
K65 & 662	Insurance Services	40	70	80	40	60	50	90	60	80	110	230
L68	REAL ESTATE SERVICES	130	130	60	30	90	50	90	70	100	190	140
M69-75	PROFESSIONAL SERVICES	720	940	1,230	960	1,520	2,290	2,740	1,700	1,100	1,210	2,380
M69-70	Legal, Accounting & Management Services	370	450	560	590	1,030	1,180	1,410	860	600	640	1,270
M71	Architectural & Engineering Services	330	200	470	240	350	940	1,050	560	310	360	780
M72-75	Other Professional Services	20	290	200	120	140	170	280	280	190	220	330
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	280	130	300	240	360	400	340	430	240	320	1,770
N80	Security & Investigation	-	-	20	-	110	70	20	120	10	10	10
N81	Cleaning & Landscaping	50	20	20	10	10	50	60	70	40	60	280
N77-79,82	Other Administrative & Support Services	230	110	260	230	230	280	260	250	190	250	1,490
O-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	260	260	240	190	130	230	850	460	290	300	2,690
O84,P85	Public Administration & Education	50	10	50	30	40	40	50	40	90	90	230
Q86-88	Health & Social Services	30	-	40	10	20	90	40	50	20	100	40
R90-93	Arts, Entertainment & Recreation	50	50	100	40	20	10	500	240	130	20	2,210
S,T,U	Other Community, Social & Personal Services	130	190	60	120	50	80	260	130	50	90	210
A,B,D,E,V	Others¹	-	50	10	10	10	80	100	20	-	30	40
	OCCUPATIONAL GROUP											
	Professionals, Managers, Executives & Technicians	3,450	4,170	5,960	6,430	6,530	8,550	10,890	8,700	6,980	6,500	12,750
	Clerical, Sales & Service Workers	1,450	1,080	1,480	1,140	1,860	1,550	2,100	1,550	1,230	1,420	8,140
	Production & Transport Operators, Cleaners & Labourers	4,900	4,750	3,570	4,000	4,540	5,480	6,190	4,480	2,510	2,770	5,220

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Retrenchment refers to the termination of permanent employees due to redundancy and early termination of term contract employees due to redundancy.
- 3) Data are rounded to the nearest 10. Hence, they may not add up to the total.

D.5 INCIDENCE OF RETRENCHMENT BY INDUSTRY AND OCCUPATIONAL GROUP, 2010 – 2020

SSIC 2015	Industry	Number Of Retrenched Employees Per 1,000 Employees										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	TOTAL	5.7	5.5	5.8	5.8	6.3	7.4	8.9	7.0	5.1	5.1	12.8
C10-32	MANUFACTURING	11.5	11.4	10.2	12.5	10.0	13.2	16.7	10.6	7.3	8.1	16.0
C10-12	Food, Beverages & Tobacco	0.8	0.4	1.0	1.3	4.1	2.7	10.6	6.1	5.9	3.0	10.9
C17-18,22	Paper / Rubber / Plastic Products & Printing	16.5	23.3	21.2	15.1	7.3	25.6	19.7	24.3	8.7	9.3	13.4
C19-21	Petroleum, Chemical & Pharmaceutical Products	6.7	13.4	9.5	8.4	5.8	11.8	12.8	10.4	6.1	6.6	5.2
C25,28	Fabricated Metal Products, Machinery & Equipment	15.7	6.2	7.0	6.5	12.5	17.3	25.3	10.9	10.6	8.8	17.3
C26	Electronic, Computer & Optical Products	19.2	22.6	20.4	26.7	15.9	19.4	21.9	12.4	8.6	15.3	11.0
C29-30	Transport Equipment	3.1	2.0	1.4	2.1	4.7	6.4	8.2	10.4	4.2	1.7	25.5
C13-16,23-24,27,31-32	Other Manufacturing Industries	7.3	16.7	14.3	30.4	11.8	6.3	10.3	3.9	5.1	10.0	20.0
F41-43	CONSTRUCTION	5.6	4.2	2.4	3.8	5.3	5.4	5.7	6.7	4.1	3.1	3.7
G-U	SERVICES	3.7	3.8	5.1	4.3	5.5	6.2	7.7	6.3	4.8	4.8	13.9
G46-47	WHOLESALE AND RETAIL TRADE	6.2	5.1	8.5	5.8	9.5	9.3	10.0	9.1	7.4	8.7	22.0
G46	Wholesale Trade	7.4	5.2	8.3	7.7	9.3	13.3	13.6	11.7	9.6	11.3	24.3
G47	Retail Trade	3.7	4.9	9.0	1.5	9.9	0.4	2.4	3.4	2.7	3.2	16.9
H49-53	TRANSPORTATION AND STORAGE	2.6	1.8	2.0	3.1	3.2	4.6	5.7	5.8	4.5	5.2	18.9
H49,5221	Land Transport & Supporting Services	2.1	2.6	0.2	0.3	0.1	1.7	0.1	3.8	4.8	1.4	3.0
H50,5222,5225	Water Transport & Supporting Services	2.5	1.9	4.1	3.8	5.9	7.6	13.5	8.9	5.2	2.7	8.3
H51,5223	Air Transport & Supporting Services	4.0	1.1	0.4	3.0	0.6	3.2	4.6	0.5	0.7	1.7	61.5
H521,5224,5229,53	Other Transportation & Storage Services	2.1	1.6	2.6	4.7	5.1	5.2	4.7	8.9	6.2	12.0	9.1
I55-56	ACCOMMODATION AND FOOD SERVICES	1.4	3.4	2.5	1.9	3.1	1.6	2.5	3.4	2.5	1.2	13.3
I55	Accommodation	-	9.5	4.3	0.4	11.0	0.4	3.0	5.1	0.6	0.8	31.3
I56	Food & Beverage Services	1.8	1.7	2.0	2.3	1.4	1.8	2.4	3.0	2.9	1.3	9.4

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Retrenchment refers to the termination of permanent employees due to redundancy and early termination of term contract employees due to redundancy.

D.5 INCIDENCE OF RETRENCHMENT BY INDUSTRY AND OCCUPATIONAL GROUP, 2010 – 2020 (continued)

SSIC 2015	Industry	Number Of Retrenched Employees Per 1,000 Employees										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
J58-63	INFORMATION AND COMMUNICATIONS	6.7	8.1	11.7	13.0	12.1	10.2	13.4	12.0	12.9	7.6	14.0
J58-61	Telecommunications, Broadcasting & Publishing	9.4	10.5	13.2	19.4	13.3	9.7	19.7	17.5	23.1	11.0	21.9
J62-63	IT & Other Information Services	4.5	6.4	10.6	8.8	11.3	10.5	9.2	8.7	7.6	6.0	10.6
K64-66	FINANCIAL AND INSURANCE SERVICES	6.0	7.5	11.6	10.4	10.6	13.5	17.1	14.1	9.6	8.6	15.1
K64 & 66 (excl. 662)	Financial Services	6.4	7.8	12.4	11.5	11.6	15.0	18.9	15.9	10.5	9.2	15.5
K65 & 662	Insurance Services	3.4	4.9	5.4	2.5	4.0	2.8	5.3	3.3	4.2	5.2	12.5
L68	REAL ESTATE SERVICES	2.6	2.5	1.1	0.5	1.6	0.9	1.6	1.4	1.9	4.7	3.3
M69-75	PROFESSIONAL SERVICES	7.0	8.2	9.7	7.5	11.6	17.2	20.5	13.4	8.4	9.1	16.9
M69-70	Legal, Accounting & Management Services	8.4	8.4	9.7	10.2	16.8	18.6	21.3	14.5	9.4	9.7	16.0
M71	Architectural & Engineering Services	8.2	4.8	9.9	5.0	7.3	19.6	22.9	12.3	6.9	7.6	17.7
M72-75	Other Professional Services	0.9	14.4	9.3	5.9	6.1	7.7	13.0	12.7	8.8	11.1	18.5
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	3.0	1.3	2.8	2.1	3.0	3.0	2.3	2.8	1.6	2.1	11.7
N80	Security & Investigation	-	-	0.4	0.1	2.9	1.6	0.4	2.6	0.4	0.2	0.1
N81	Cleaning & Landscaping	1.6	0.5	0.6	0.2	0.3	1.1	1.1	1.1	0.5	0.8	3.8
N77-79,82	Other Administrative & Support Services	7.3	3.3	7.3	5.9	5.8	6.4	5.8	5.3	4.1	5.3	36.6
O-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	1.0	0.9	0.8	0.6	0.4	0.7	2.4	1.3	0.8	0.8	7.5
O84,P85	Public Administration & Education	0.4	0.1	0.3	0.2	0.3	0.3	0.3	0.2	0.5	0.5	1.2
Q86-88	Health & Social Services	0.5	-	0.5	0.1	0.2	1.0	0.4	0.5	0.2	0.9	0.4
R90-93	Arts, Entertainment & Recreation	1.4	1.4	2.5	0.9	0.4	0.3	12.2	6.0	3.2	0.5	59.2
S,T,U	Other Community, Social & Personal Services	4.9	6.9	2.0	4.0	1.7	2.6	7.7	3.7	1.3	2.6	6.0
A,B,D,E,V	Others¹	-	2.5	0.5	0.6	0.4	3.8	4.5	0.7	-	1.4	1.8
	OCCUPATIONAL GROUP											
	Professionals, Managers, Executives & Technicians	5.0	5.5	7.4	7.3	7.1	8.9	11.0	8.7	6.7	6.1	12.0
	Clerical, Sales & Service Workers	3.6	2.6	3.5	2.8	4.4	3.6	4.8	3.6	2.9	3.4	21.4
	Production & Transport Operators, Cleaners & Labourers	7.7	7.3	5.2	5.7	6.3	7.6	8.6	6.6	3.9	4.4	8.7

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.

2) Retrenchment refers to the termination of permanent employees due to redundancy and early termination of term contract employees due to redundancy.

D.6 JOB VACANCY RATE BY INDUSTRY AND OCCUPATIONAL GROUP, 2010 – 2020

												Per Cent
SSIC 2015	Industry	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	TOTAL	2.5	2.8	2.5	2.7	3.0	2.8	2.3	2.4	2.7	2.5	2.3
C10-32	MANUFACTURING	2.1	2.3	1.8	1.9	2.1	1.8	1.6	1.8	2.3	1.9	1.6
C10-12	Food, Beverages & Tobacco	2.3	3.0	2.2	2.7	2.9	2.6	2.1	2.0	2.1	2.0	2.4
C17-18,22	Paper / Rubber / Plastic Products & Printing	1.9	1.9	1.6	1.8	2.2	1.6	1.3	1.6	2.0	1.5	1.8
C19-21	Petroleum, Chemical & Pharmaceutical Products	1.6	1.6	1.6	2.0	1.8	1.8	1.6	1.5	2.4	2.2	1.6
C25,28	Fabricated Metal Products, Machinery & Equipment	1.8	2.1	2.0	2.0	2.0	1.4	1.1	1.5	1.9	1.6	1.3
C26	Electronic, Computer & Optical Products	2.8	2.6	1.9	1.9	2.5	2.3	2.4	3.2	2.9	2.2	2.2
C29-30	Transport Equipment	1.6	2.2	1.4	1.5	1.7	1.4	0.9	1.2	2.2	1.7	0.7
C13-16,23-24,27,31-32	Other Manufacturing Industries	2.4	2.1	1.7	2.4	2.0	2.0	1.9	1.5	2.3	1.9	2.3
F41-43	CONSTRUCTION	1.2	1.5	1.2	1.3	1.2	0.9	0.6	0.6	1.1	0.8	1.0
G-U	SERVICES	3.0	3.3	3.0	3.3	3.7	3.5	2.9	2.9	3.1	2.9	2.7
G46-47	WHOLESALE AND RETAIL TRADE	2.4	2.6	2.7	3.0	3.3	2.9	2.6	2.5	2.7	2.2	2.3
G46	Wholesale Trade	2.0	2.1	2.0	2.2	2.5	2.3	1.8	2.0	2.2	2.0	2.1
G47	Retail Trade	3.3	3.7	4.4	4.9	5.1	4.3	4.4	3.6	3.6	2.8	2.7
H49-53	TRANSPORTATION AND STORAGE	2.5	2.6	2.4	2.6	2.8	2.4	1.9	2.2	2.4	1.9	1.2
H49,5221	Land Transport & Supporting Services	3.3	4.0	3.0	2.9	3.3	2.4	1.9	1.7	2.0	1.3	1.0
H50,5222,5225	Water Transport & Supporting Services	1.6	1.3	1.3	2.3	2.2	1.3	0.7	1.4	1.2	1.7	1.4
H51,5223	Air Transport & Supporting Services	3.3	4.1	3.4	3.1	2.7	3.0	2.1	1.9	2.9	2.7	0.7
H521,5224,5229,53	Other Transportation & Storage Services	2.0	1.7	2.2	2.4	3.1	2.9	2.7	3.2	3.3	2.0	1.4
I55-56	ACCOMMODATION AND FOOD SERVICES	4.1	4.1	4.4	5.3	5.9	5.4	4.3	4.2	4.2	3.8	2.9
I55	Accommodation	4.3	4.7	4.8	6.3	7.5	7.3	6.7	6.5	8.0	7.1	3.4
I56	Food & Beverage Services	4.0	4.0	4.2	5.1	5.5	5.0	3.7	3.6	3.4	3.1	2.8

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

D.6 JOB VACANCY RATE BY INDUSTRY AND OCCUPATIONAL GROUP, 2010 – 2020 (continued)

SSIC 2015	Industry	Per Cent										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
J58-63	INFORMATION AND COMMUNICATIONS	2.7	2.9	2.4	2.8	3.5	3.8	3.9	4.0	4.8	4.6	5.0
J58-61	Telecommunications, Broadcasting & Publishing	2.5	3.0	2.4	2.3	2.3	2.5	3.1	2.7	2.7	2.4	2.2
J62-63	IT & Other Information Services	2.9	2.8	2.5	3.1	4.3	4.8	4.5	4.8	5.8	5.6	6.1
K64-66	FINANCIAL AND INSURANCE SERVICES	2.4	2.5	2.0	2.2	2.9	2.8	2.4	3.1	3.5	3.5	2.9
K64 & 66 (excl. 662)	Financial Services	2.3	2.4	1.9	2.1	2.9	2.8	2.4	3.1	3.5	3.5	2.9
K65 & 662	Insurance Services	3.1	3.2	2.8	2.9	2.8	2.5	2.6	2.9	3.5	3.3	2.6
L68	REAL ESTATE SERVICES	2.8	3.5	3.1	3.5	3.9	3.8	2.9	2.2	2.3	2.7	2.4
M69-75	PROFESSIONAL SERVICES	1.9	2.2	2.0	2.2	2.7	3.0	2.5	2.3	3.0	2.9	2.3
M69-70	Legal, Accounting & Management Services	2.2	2.1	1.9	1.9	3.0	3.8	3.0	2.7	3.4	3.5	2.7
M71	Architectural & Engineering Services	1.3	1.7	1.7	2.0	1.9	1.7	1.6	1.5	2.3	2.0	1.5
M72-75	Other Professional Services	2.6	3.3	3.0	3.5	3.3	3.5	3.1	2.5	3.3	2.7	2.2
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	3.4	4.4	3.5	3.8	4.5	3.9	3.3	3.2	3.4	2.6	2.7
N80	Security & Investigation	5.4	6.9	4.3	4.2	5.0	5.6	4.9	4.6	5.6	4.2	3.9
N81	Cleaning & Landscaping	2.4	3.3	3.1	3.7	4.3	3.3	2.5	2.6	2.7	1.7	1.8
N77-79,82	Other Administrative & Support Services	2.5	3.1	2.9	3.5	4.1	2.9	2.7	2.8	2.9	2.8	2.9
O-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	3.9	4.3	3.6	3.9	4.1	3.7	3.1	2.8	2.9	2.9	3.2
O84,P85	Public Administration & Education	4.5	4.6	3.9	3.9	3.9	3.4	3.0	2.7	2.9	2.9	3.3
Q86-88	Health & Social Services	2.9	3.6	3.2	3.6	4.8	3.8	3.1	2.7	3.0	3.2	3.7
R90-93	Arts, Entertainment & Recreation	3.5	4.7	3.4	3.8	3.8	4.8	3.5	3.7	2.8	2.7	1.8
S,T,U	Other Community, Social & Personal Services	3.5	3.6	3.3	4.5	4.1	3.5	2.7	2.6	3.0	1.9	1.9
A,B,D,E,V	Others¹	2.2	3.1	4.1	3.2	2.5	2.3	1.8	1.8	2.0	1.7	1.6
	OCCUPATIONAL GROUP											
	Professionals, Managers, Executives & Technicians	2.9	3.0	2.5	2.7	3.0	2.9	2.5	2.6	3.0	2.8	2.6
	Clerical, Sales & Service Workers	3.0	3.6	3.4	3.8	4.3	3.9	3.2	3.0	3.2	2.8	2.5
	Production & Transport Operators, Cleaners & Labourers	1.9	2.3	1.9	2.2	2.3	1.9	1.6	1.7	2.0	1.6	1.8

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

¹ 'Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.

2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

D.7 JOB VACANCY AND JOB VACANCY RATE BY INDUSTRY AND OCCUPATIONAL GROUP, 2020

SSIC 2015	Industry	Total		Occupational Group					
				Professionals, Managers, Executives & Technicians		Clerical, Sales & Service Workers		Production & Transport Operators, Cleaners & Labourers	
		Vacancies ('000)	Vacancy Rate (%)	Vacancies ('000)	Vacancy Rate (%)	Vacancies ('000)	Vacancy Rate (%)	Vacancies ('000)	Vacancy Rate (%)
	TOTAL	48.4	2.3	28.2	2.6	9.7	2.5	10.4	1.8
C10-32	MANUFACTURING	5.5	1.6	2.6	1.7	0.4	1.4	2.5	1.7
C10-12	Food, Beverages & Tobacco	0.8	2.4	0.2	2.1	0.2	2.2	0.4	2.7
C17-18,22	Paper / Rubber / Plastic Products & Printing	0.3	1.8	0.1	1.4	-	-	0.2	2.3
C19-21	Petroleum, Chemical & Pharmaceutical Products	0.5	1.6	0.4	1.6	-	-	0.1	1.7
C25,28	Fabricated Metal Products, Machinery & Equipment	1.0	1.3	0.5	1.4	0.1	1.2	0.5	1.2
C26	Electronic, Computer & Optical Products	1.6	2.2	0.9	2.1	-	-	0.7	2.6
C29-30	Transport Equipment	0.5	0.7	0.2	0.8	-	-	0.2	0.6
C13-16,23-24,27,31-32	Other Manufacturing Industries	0.8	2.3	0.3	2.3	-	-	0.5	2.3
F41-43	CONSTRUCTION	2.7	1.0	0.8	1.2	0.1	0.8	1.8	1.0
G-U	SERVICES	39.9	2.7	24.6	2.9	9.2	2.6	6.1	2.3
G46-47	WHOLESALE AND RETAIL TRADE	5.3	2.3	1.9	1.8	1.8	2.3	1.6	3.4
G46	Wholesale Trade	3.4	2.1	1.6	1.8	0.5	1.5	1.3	3.4
G47	Retail Trade	1.9	2.7	0.4	2.1	1.3	2.8	0.3	3.0
H49-53	TRANSPORTATION AND STORAGE	1.7	1.2	0.5	1.0	0.3	0.8	0.9	1.6
H49,5221	Land Transport & Supporting Services	0.4	1.0	0.1	0.6	-	-	0.3	1.2
H50,5222,5225	Water Transport & Supporting Services	0.4	1.4	0.2	1.4	0.1	1.5	0.2	1.5
H51,5223	Air Transport & Supporting Services	0.2	0.7	0.1	1.0	0.1	0.5	-	-
H521,5224,5229,53	Other Transportation & Storage Services	0.7	1.4	0.1	0.8	0.1	0.8	0.4	2.2
I55-56	ACCOMMODATION AND FOOD SERVICES	4.1	2.9	0.8	2.5	2.5	3.0	0.8	3.1
I55	Accommodation	0.7	3.4	0.1	1.5	0.4	3.9	0.3	5.5
I56	Food & Beverage Services	3.4	2.8	0.7	2.9	2.1	2.9	0.6	2.6

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

Notes :

- 1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.
- 2) Annual figures are the simple averages of the figures obtained at quarterly intervals.
- 3) Number of job vacancies may not add up to the total due to rounding.

D.7 JOB VACANCY AND JOB VACANCY RATE BY INDUSTRY AND OCCUPATIONAL GROUP, 2020 (continued)

SSIC 2015	Industry	Total		Occupational Group					
				Professionals, Managers, Executives & Technicians		Clerical, Sales & Service Workers		Production & Transport Operators, Cleaners & Labourers	
		Vacancies ('000)	Vacancy Rate (%)	Vacancies ('000)	Vacancy Rate (%)	Vacancies ('000)	Vacancy Rate (%)	Vacancies ('000)	Vacancy Rate (%)
J58-63	INFORMATION AND COMMUNICATIONS	4.5	5.0	4.3	5.2	0.2	2.7	0.1	3.8
J58-61	Telecommunications, Broadcasting & Publishing	0.6	2.2	0.5	2.3	0.1	1.7	-	-
J62-63	IT & Other Information Services	3.9	6.1	3.8	6.3	0.1	3.6	-	-
K64-66	FINANCIAL AND INSURANCE SERVICES	4.3	2.9	4.1	3.0	0.2	1.6	-	-
K64 & 66 (excl. 662)	Financial Services	3.8	2.9	3.7	3.1	0.1	1.5	-	-
K65 & 662	Insurance Services	0.5	2.6	0.4	2.7	0.1	2.0	-	-
L68	REAL ESTATE SERVICES	1.1	2.4	0.6	2.6	0.2	2.8	0.2	1.9
M69-75	PROFESSIONAL SERVICES	3.2	2.3	2.7	2.4	0.3	1.9	0.2	1.3
M69-70	Legal, Accounting & Management Services	2.1	2.7	1.9	2.7	0.2	1.9	0.1	4.7
M71	Architectural & Engineering Services	0.7	1.5	0.5	1.8	0.1	1.4	0.1	0.9
M72-75	Other Professional Services	0.4	2.2	0.4	2.3	-	-	-	-
N77-82	ADMINISTRATIVE AND SUPPORT SERVICES	4.0	2.7	0.6	2.0	1.6	3.7	1.8	2.3
N80	Security & Investigation	1.4	3.9	-	-	1.3	4.0	0.2	5.3
N81	Cleaning & Landscaping	1.3	1.8	-	-	-	-	1.2	2.0
N77-79,82	Other Administrative & Support Services	1.3	2.9	0.5	2.4	0.3	3.5	0.4	3.3
O-U	COMMUNITY, SOCIAL AND PERSONAL SERVICES	11.6	3.2	9.1	3.2	2.1	3.2	0.4	2.0
O84,P85	Public Administration & Education	6.3	3.3	5.7	3.3	0.5	4.5	0.1	1.4
Q86-88	Health & Social Services	4.0	3.7	2.7	3.5	1.1	4.4	0.2	3.4
R90-93	Arts, Entertainment & Recreation	0.6	1.8	0.3	1.9	0.3	1.6	0.1	2.2
S,T,U	Other Community, Social & Personal Services	0.7	1.9	0.4	2.4	0.2	1.8	0.1	1.2
A,B,D,E,V	Others¹	0.3	1.6	0.2	1.9	-	-	0.1	1.2

Source : Labour Market Survey, Manpower Research & Statistics Department, MOM

¹ Others' includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

Notes :

1) Data pertain to private sector establishments (each with at least 25 employees) and the public sector.

2) Annual figures are the simple averages of the figures obtained at quarterly intervals.

3) Number of job vacancies may not add up to the total due to rounding.

**D.8 JOB VACANCY TO UNEMPLOYED PERSON RATIO, 2010 – 2020
(SEASONALLY ADJUSTED)**

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Annual Average	0.98	1.21	1.07	1.28	1.38	1.24	0.91	0.87	1.07	0.91	0.65
March	0.87	1.30	1.03	1.15	1.32	1.41	1.04	0.79	1.02	1.02	0.66
June	0.98	1.24	0.98	1.19	1.41	1.24	0.90	0.84	1.09	0.92	0.55
September	1.06	1.15	1.23	1.40	1.41	1.18	0.93	0.92	1.09	0.87	0.63
December	1.03	1.16	1.04	1.40	1.39	1.12	0.78	0.94	1.08	0.82	0.75

Source : Labour Market Survey and Labour Force Survey, Manpower Research & Statistics Department, MOM

Note :

The seasonally adjusted figures are subject to annual revisions when the latest set of seasonal factors is updated, taking into account observations for the latest available year. Users are advised to check our website, <http://stats.mom.gov.sg>, for the most up-to-date data.

D.9 NEW REGISTRANTS AT CAREER CENTRES BY AGE AND HIGHEST QUALIFICATION ATTAINED, 2014 – 2020

	Number						
	2014	2015	2016	2017	2018	2019	2020
TOTAL	34,709	30,223	23,770	25,322	28,804	32,357	41,104
Age (Years)							
Under 20	372	313	207	233	491	1,256	694
20 – 29	5,113	4,678	3,537	4,161	4,730	4,800	7,685
30 – 39	5,488	5,366	4,276	4,727	5,712	6,234	8,981
40 – 49	8,153	7,410	6,329	6,742	7,377	7,955	10,542
50 – 59	9,424	7,767	6,052	6,209	6,635	7,465	8,674
60 & Over	6,159	4,689	3,369	3,250	3,859	4,647	4,528
Highest Qualification Attained							
Primary & Below	6,833	4,540	2,972	2,492	2,427	2,848	2,227
Secondary	16,820	12,945	8,892	7,840	8,123	9,260	10,067
Post Secondary	3,358	3,450	2,941	3,235	4,314	4,203	5,184
Diploma	3,811	4,260	3,687	4,510	5,401	6,456	9,711
Degree	3,887	5,028	5,278	7,245	8,539	9,590	13,915

Source : Workforce Singapore

Note :

'New Registrants' refers to the number of unique individuals who registered for employment and/or training assistance at Workforce Singapore (WSG)'s career matching service (CMS) physical touch points such as Careers Connect and National Trades Union Congress (NTUC)'s Employment and Employability Institute (e2i) centres.

D.10 JOB SEEKERS PLACED IN EMPLOYMENT BY CAREER CENTRES BY AGE AND HIGHEST QUALIFICATION ATTAINED, 2014 – 2020

	Number						
	2014	2015	2016	2017	2018	2019	2020
TOTAL	14,814	13,278	14,428	15,380	19,214	20,083	24,840
Age (Years)							
Under 20	385	153	112	110	393	334	543
20 – 29	3,057	2,390	2,367	2,724	3,262	2,953	4,978
30 – 39	2,894	2,358	2,619	2,889	3,797	4,090	5,562
40 – 49	3,518	3,269	3,780	4,092	4,873	5,209	6,347
50 – 59	3,254	3,357	3,665	3,625	4,405	4,735	5,050
60 & Over	1,706	1,751	1,885	1,940	2,484	2,762	2,360
Highest Qualification Attained							
Primary & Below	2,381	2,013	1,906	1,540	1,662	1,530	1,439
Secondary	7,036	5,806	5,468	4,909	5,425	5,407	6,365
Post Secondary	1,698	1,492	1,840	1,988	3,189	2,501	3,441
Diploma	1,925	1,967	2,325	2,785	3,533	4,500	5,637
Degree	1,774	2,000	2,889	4,158	5,405	6,145	7,958

Source : Workforce Singapore

Note :

'Job Seekers Placed in Employment' refers to the number of unique individuals who were placed into employment by Workforce Singapore (WSG)'s career matching service (CMS) physical touch points such as Careers Connect and National Trades Union Congress (NTUC)'s Employment and Employability Institute (e2i) centres. This includes those who found their own jobs after receiving services from WSG's CMS physical touch points and NTUC's e2i centres.



Labour Relations

LABOUR RELATIONS

Source of Data

Statistics on Employers' and Employees' Trade Unions and Trade Disputes are compiled by the Labour Relations and Workplaces Division of the Ministry of Manpower.

The Labour Relations and Workplaces Division monitors the industrial relations situation and provides mediation and conciliation services for the settlement of trade disputes. The Division also investigates complaints on infringements of the Employment Act which governs the terms and conditions of employment.

Statistics on Claims Lodged by Issues are compiled by the Tripartite Alliance for Dispute Management (TADM).

TADM was established since 1 Apr 2017 to provide advisory and mediation services to resolve salary-related claims and employment disputes.

Statistics on Collective Agreements and Industrial Arbitration Court Awards are obtained from the Industrial Arbitration Court (IAC).

IAC was set up in 1960 under the Industrial Relations Act. Its functions include the registration and certification of

collective agreements, hearing and determination of trade disputes and handing down of awards and interpretation and enforcement of terms of awards and collective agreements.

Concepts and Definitions

Trade Union refers to any association or combination of employees or employers, whether temporary or permanent, whose principal objective is to regulate relations between workers and employers for all or any of the following purposes:

- Promote good industrial relations between employers and employees;
- Improve the working conditions of employees or enhance their economic and social status; and
- Raise productivity for the benefit of employees, employers and the economy of Singapore.

Trade Dispute refers to a dispute (including a threatened, impending or probable dispute) as to industrial matters.

Collective Agreement refers to an agreement between employers and employees on employment, non-employment, terms of employment or conditions of work. The duration of a collective agreement is specified and by law shall not be less than two years or more than three years.

An **Industrial Arbitration Court Award** refers to an award made by the IAC, and includes a collective agreement and a memorandum of the terms which have been certified by the President of the IAC in accordance with the provisions of the Industrial Relations Act.

E.1 NUMBER OF EMPLOYERS' TRADE UNIONS BY MEMBERSHIP SIZE, 2010 – 2020
(At Year-End)

Size of Trade Union (Number of Members)	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	3	3	3	3	3	3	3	3	3	3	3
Under 50	1	1	1	1	1	1	1	1	1	1	1
50 – 249	1	1	1	1	1	1	1	1	1	1	1
250 & Over	1	1	1	1	1	1	1	1	1	1	1

Source : Labour Relations and Workplaces Division, MOM

E.2 MEMBERSHIP OF EMPLOYERS' TRADE UNIONS BY MEMBERSHIP SIZE, 2010 – 2020
(At Year-End)

Size of Trade Union (Number of Members)	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	2,529	2,306	2,288	3,074	3,300	3,365	3,489	3,570	3,490	3,631	3,564
Under 50	22	21	19	18	21	21	20	20	17	16	14
50 – 249	140	129	113	130	130	136	151	158	163	158	155
250 & Over	2,367	2,156	2,156	2,926	3,149	3,208	3,318	3,392	3,310	3,457	3,395

Source : Labour Relations and Workplaces Division, MOM

E.3 NUMBER OF EMPLOYEES' TRADE UNIONS BY MEMBERSHIP SIZE, 2010 – 2020
(At Year-End)

Size of Trade Union (Number of Members)												Number	
			2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL			65	65	66	64	65	64	63	61	63	63	62
Under	50		1	1	1	1	2	1	1	1	2	1	-
50	–	249	5	5	7	3	3	3	3	2	3	4	4
250	–	999	17	15	14	16	15	15	13	13	12	11	12
1,000	–	4,999	17	19	18	17	18	18	19	18	19	20	20
5,000	–	9,999	8	8	9	10	9	9	9	9	9	7	6
10,000	&	Over	17	17	17	17	18	18	18	18	18	20	20

Source : Labour Relations and Workplaces Division, MOM

E.4 NUMBER OF EMPLOYEES' TRADE UNIONS BY INDUSTRY, 2010 – 2020

(At Year-End)

Industry	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 ²	2020
TOTAL	65	65	66	64	65	64	63	61	63	63	62
Manufacturing	15	15	15	15	15	15	15	15	15	14	14
Construction	1	1	1	1	1	1	1	1	1	1	1
Wholesale & Retail Trade	1	1	1	1	1	1	1	1	1	1	1
Accommodation & Food Services	2	2	2	2	2	2	2	2	2	2	2
Transport & Storage and Information & Communications	15	15	16	15	16	15	14	12	13	16	16
Financial & Insurance Services	4	4	4	4	4	4	4	4	4	4	4
Real Estate, Professional and Administrative & Support Services	2	2	2	2	2	2	2	2	3	2	2
Community, Social & Personal Services	22	22	22	21	21	21	21	21	21	20	19
Others ¹	3	3	3	3	3	3	3	3	3	3	3

Source : Labour Relations and Workplaces Division, MOM

¹ Includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

² Industry classification of some unions were reviewed for better representation.

E.5 MEMBERSHIP OF EMPLOYEES' TRADE UNIONS BY MEMBERSHIP SIZE, 2010 – 2020
(At Year-End)

Size of Trade Union (Number of Members)												Number
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL		549,878	588,014	613,418	655,126	686,676	718,723	740,750	755,217	762,807	785,643	781,547
Under	50	44	44	44	43	46	43	42	40	40	25	-
50	– 249	779	788	1,233	547	556	545	479	596	575	652	667
250	– 999	10,026	8,322	8,088	8,853	8,246	8,794	6,447	6,807	6,621	5,889	6,604
1,000	– 4,999	35,569	43,420	39,360	36,994	39,360	39,902	38,551	37,790	40,680	44,453	48,929
5,000	– 9,999	47,558	52,995	61,007	71,276	63,329	66,836	68,503	70,269	70,871	53,232	46,482
10,000	& Over	455,902	482,445	503,686	537,413	575,139	602,603	626,728	639,715	644,020	681,392	678,865

Source : Labour Relations and Workplaces Division, MOM

E.6 MEMBERSHIP OF EMPLOYEES' TRADE UNIONS BY INDUSTRY, 2010 – 2020

(At Year-End)

Industry	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 ²	2020
TOTAL	549,878	588,014	613,418	655,126	686,676	718,723	740,750	755,217	762,807	785,643	781,547
Manufacturing	119,899	128,193	130,385	137,146	141,668	145,159	146,815	149,524	146,447	149,317	146,471
Construction	27,484	29,906	32,027	38,619	41,761	42,630	42,953	43,246	43,638	44,650	42,829
Wholesale & Retail Trade	80,507	84,195	87,358	89,173	93,140	96,068	99,407	99,740	98,641	100,809	101,685
Accommodation & Food Services	38,902	41,437	43,093	45,504	47,863	50,643	51,955	52,135	52,861	54,970	55,369
Transport & Storage and Information & Communications	97,212	101,120	103,605	112,420	116,223	121,910	126,423	129,987	139,872	143,394	140,140
Financial & Insurance Services	23,441	25,607	26,458	28,261	29,103	30,320	31,534	32,597	33,331	35,072	34,276
Real Estate, Professional and Administrative & Support Services	12,582	11,388	12,008	12,178	12,104	13,311	13,771	14,054	13,239	14,172	17,050
Community, Social & Personal Services	86,532	99,976	107,817	116,514	124,272	132,770	137,321	141,141	141,570	148,082	148,415
Others ¹	63,319	66,192	70,667	75,311	80,542	85,912	90,571	92,793	93,208	95,177	95,312

Source : Labour Relations and Workplaces Division, MOM

¹ Includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

² Industry classification of some unions were reviewed for better representation.

E.7 INDUSTRIAL STOPPAGES, 2010 – 2020

	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Number of Industrial Stoppages	0	0	1	0	0	0	0	0	0	0	0

Source : Labour Relations and Workplaces Division, MOM

E.8 TRADE DISPUTES REFERRED TO THE CONCILIATION SECTION BY NATURE OF TRADE DISPUTES, 2010 – 2020

Nature of Trade Disputes	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018 ¹	2019	2020
TOTAL	121	159	164	136	106	119	112	101	92	86	103
Wage Increase and Conditions of Service	57	76	92	83	66	72	62	44	64	67	55
Retrenchment Benefits	12	15	11	18	15	18	27	28	16	6	19
Bonus or Gratuity	13	17	19	10	5	11	6	5	11	9	11
Other Industrial Matters (e.g. Sales Commission and Shift Allowances)	39	51	42	25	20	18	17	24	1	4	18

Source : Labour Relations and Workplaces Division, MOM

¹ Disputes involving individual union members are excluded from 2018 onwards and the figures have been updated accordingly.

E.9 TRADE DISPUTES REFERRED TO THE CONCILIATION SECTION BY INDUSTRY, 2010 – 2020

														Number
SSIC 2005	Industry	2010		Industry	2011	2012	2013	2014	2015	2016	2017	2018 ²	2019	2020
	TOTAL	121		TOTAL	159	164	136	106	119	112	101	92	86	103
C15-36	Manufacturing	40	C10-32	Manufacturing	41	44	41	40	30	46	32	34	30	33
F45	Construction	5	F41-43	Construction	8	7	5	4	9	5	4	-	4	1
G50-51, J58	Wholesale & Retail Trade and Hotels & Restaurants	18	G46-47, I55-56	Wholesale & Retail Trade and Accommodation & Food Services	32	23	26	15	31	24	17	22	20	19
H52-56, K60-63	Transportation & Storage and Information & Communications	28	H49-53, J58-63	Transportation & Storage and Information & Communications	43	47	27	28	29	15	30	19	17	22
L-V	Financial & Insurance, Real Estate, Professional, Administrative and Community, Social & Personal Services	28	K-U	Financial & Insurance, Real Estate, Professional, Administrative and Community, Social & Personal Services	32	41	36	18	18	19	18	14	12	26
A,B,D,E	Others ¹	2	A,B,D,E,V	Others ¹	3	2	1	1	2	3	-	3	3	2

Source : Labour Relations and Workplaces Division, MOM

¹ Includes Agriculture, Fishing, Quarrying, Utilities and Sewerage & Waste Management.

² Disputes involving individual union members are excluded from 2018 onwards and the figures have been updated accordingly.

Note :

Data are classified according to the SSIC 2010 from 2011-2017. From 2018 onwards, data are classified according to the SSIC 2015.

E.10 CLAIMS LODGED BY ISSUES, 2010 – 2020

Issues	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Arrears of Wages	6,961	5,777	6,434	7,129	8,013	7,892	6,932	7,489	7,199	7,989	5,575
Wages in Lieu of Notice	788	938	1,079	1,205	1,250	1,621	1,704	1,638	1,645	1,885	1,910
Wages in Lieu of Annual Leave	532	496	669	689	690	975	1,038	813	690	846	917
Wages for Work on Rest Days	422	577	563	670	639	651	734	843	2,047	2,622	944
Wages for Work on Holidays	668	456	627	730	656	681	833	619	842	933	487
Overtime Wages	1,134	1,205	1,399	1,798	1,913	2,391	2,395	2,767	3,788	4,324	1,804
Sick Leave Wages	598	229	128	180	127	145	146	117	128	152	120
Maternity Allowance	28	61	39	45	35	34	24	19	14	75	89
Other Issues	2,608	2,234	990	1,194	1,275	1,555	1,160	1,538	1,677	2,116	2,535

Source : Labour Relations and Workplaces Division, MOM and Tripartite Alliance for Dispute Management

Note :

Figures in table do not indicate the total number of claims lodged as one claim may have multiple issues.

E.11 COLLECTIVE AGREEMENTS CERTIFIED BY TYPE OF WORKERS COVERED, 2010 – 2020

Type of Workers Covered	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	363	342	322	474	420	479	411	390	398	405	412
Professionals, Managers, Executives & Technicians	75	44	33	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Professionals, Managers & Executives	n.a.	n.a.	n.a.	26	15	14	13	14	18	9	4
Associate Professionals & Technicians	n.a.	n.a.	n.a.	3	-	-	-	-	-	8	5
Clerical, Sales & Service Workers	60	28	33	48	42	65	70	71	51	70	49
Production & Transport Operators, Cleaners & Labourers	29	19	20	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Production, Transport & Manual Workers	n.a.	n.a.	n.a.	21	35	41	25	30	31	28	33
Others (combination of earlier categories)	199	251	236	224	229	219	218	172	189	210	205
Maritime Officers & Seamen	n.a.	n.a.	n.a.	152	99	140	85	103	109	80	116

Source: Industrial Arbitration Court

E.12 COLLECTIVE AGREEMENTS CERTIFIED BY TYPE OF ORGANISATIONS, 2010 – 2020

Type of Organisations	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	363	342	322	474	420	479	411	390	398	405	412
Private Enterprise	351	335	311	457	414	465	396	385	385	390	407
Statutory Board	12	7	10	17	6	14	15	5	13	4	-
Government	-	-	1	-	-	-	-	-	-	11	5

Source: Industrial Arbitration Court

E.13 TRADE DISPUTES FILED WITH THE INDUSTRIAL ARBITRATION COURT BY NATURE OF TRADE DISPUTES, 2010 – 2020

Nature of Trade Disputes	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	15	19	16	6	12	9	7	9	6	16	6
Variations of Awards / Collective Agreements	11	7	9	2	4	7	5	7	5	5	1
Continuation of Awards / Collective Agreements	1	4	2	2	3	1	1	1	-	-	-
Non-compliance of Awards / Collective Agreements	-	-	-	-	-	-	-	1	-	-	-
Interpretation of Awards / Collective Agreements	-	-	-	-	-	-	-	-	-	1	-
Proposals for Salary, Terms and Conditions of Service, including Fringe Benefits	1	6	3	1	4	1	1	-	1	10	4
Retrenchment	2	2	2	-	-	-	-	-	-	-	1
Recognition	-	-	-	-	-	-	-	-	-	-	-
Dismissal / Victimisation	-	-	-	-	-	-	-	-	-	-	-
Compliance with Court Order (section 56)	-	-	-	1	1	-	-	-	-	-	-
Contempt of Court (section 57)	-	-	-	-	-	-	-	-	-	-	-
Directed by Minister	-	-	-	-	-	-	-	-	-	-	-
Collective Agreement be varied to conform with an Award	-	-	-	-	-	-	-	-	-	-	-
Representation of certain classes of PMEs	-	-	-	-	-	-	-	-	-	-	-

Source: Industrial Arbitration Court

E.14 INDUSTRIAL ARBITRATION COURT AWARDS BY NATURE OF TRADE DISPUTES, 2010 – 2020

Nature of Trade Disputes	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	11	11	13	4	5	7	5	8	5	15	6
Variations of Awards / Collective Agreements	11	7	9	2	4	7	5	7	5	4	1
Continuation of Awards / Collective Agreements	-	1	-	-	-	-	-	-	-	-	-
Non-compliance of Awards / Collective Agreements	-	-	-	-	-	-	-	1	-	-	-
Interpretation of Awards / Collective Agreements	-	1	-	-	-	-	-	-	-	1	-
Proposals for Salary, Terms and Conditions of Service, including Fringe Benefits	-	1	1	1	1	-	-	-	-	10	4
Retrenchment	-	1	3	-	-	-	-	-	-	-	1
Recognition	-	-	-	-	-	-	-	-	-	-	-
Dismissal	-	-	-	-	-	-	-	-	-	-	-
Contempt of Court Awards	-	-	-	-	-	-	-	-	-	-	-
Referee Appeal	-	-	-	1	-	-	-	-	-	-	-
Directed by Minister	-	-	-	-	-	-	-	-	-	-	-

Source : Industrial Arbitration Court

E.15 INDUSTRIAL ARBITRATION COURT AWARDS BY TYPE OF WORKERS COVERED, 2010 – 2020

Type of Workers Covered	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	11	11	13	4	5	7	5	8	5	15	6
Professionals, Managers, Executives & Technicians	5	2	1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Professionals, Managers & Executives	n.a.	n.a.	n.a.	-	-	-	-	-	-	-	1
Associate Professionals & Technicians	n.a.	n.a.	n.a.	-	-	-	-	-	-	-	-
Clerical, Sales & Service Workers	2	-	-	-	-	-	-	1	-	-	-
Production & Transport Operators, Cleaners & Labourers	-	-	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Production, Transport & Manual Workers	n.a.	n.a.	n.a.	-	-	-	-	-	1	-	-
Others (combination of earlier categories)	4	9	12	4	5	7	5	6	4	15	5
Maritime Officers & Seamen	n.a.	n.a.	n.a.	-	-	-	-	1	-	-	-

Source : Industrial Arbitration Court

E.16 INDUSTRIAL ARBITRATION COURT AWARDS BY TYPE OF ORGANISATIONS, 2010 – 2020

Type of Organisations	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	11	11	13	4	5	7	5	8	5	15	6
Private Enterprise	11	11	12	4	5	7	4	8	5	14	6
Statutory Board	-	-	1	-	-	-	1	-	-	1	-
Government	-	-	-	-	-	-	-	-	-	-	-

Source : Industrial Arbitration Court



Workplace Safety And Health



WORKPLACE SAFETY AND HEALTH

Source of Data

Data on workplace safety and health are compiled by the Occupational Safety and Health Division of the Ministry of Manpower in the administration of legal requirements under the Workplace Safety and Health Act.

Data on workplace safety and health are compiled based on incident reports made by employers, occupiers and medical practitioners in the fulfilment of their obligations under the Workplace Safety and Health (Incident Reporting) Regulations which was enacted on 1 March 2006. With effect from 4 January 2014, reporting was also required for work-related traffic injuries.

The Occupational Safety and Health Division monitors and enforces safety and health standards in workplaces. It also promotes self-regulation in workplaces and the management of safety and health through industry ownership and good risk management.

Coverage

The types of workplace injuries, which include work-related traffic injuries, and occupational diseases covered in the reported statistics include the following:

- Workplace injuries sustained by employees and resulting in more than three days of medical leave (consecutive or otherwise); or
- Workplace injuries sustained by employees and resulting in at least 24 hours of hospitalisation;
- Workplace incidents resulting in the death of employees, self-employed persons and persons not at work (includes members of the public);
- Occupational diseases listed in the Second Schedule of the Workplace Safety and Health Act.

Concepts and Definitions

Workplace Incident refers to an unexpected and unplanned occurrence, arising out of or in connection with work which results in one or more workers incurring a personal injury, disease or death.

Workplace Injury refers to any personal injury, disease or death resulting from a workplace incident.

Occupational Disease refers to a disease contracted as a result of an exposure over a period of time to risk factors arising from work activity.

Workplace Injury Rate refers to the number of fatal and non-fatal workplace injuries per 100,000 workers.

Workplace Fatal Injury Rate refers to the number of workplace fatal injuries per 100,000 workers.

Occupational Disease Incidence refers to the number of new cases of occupational diseases confirmed by the Ministry of Manpower per 100,000 workers.

The degree of injury of a workplace injury is defined as:

- **Fatal** if it results in death;
- **Major** if it is an injury, other than fatal injuries, which are more severe in nature based on the nature of injury, part of the body injured, incident type and duration of medical leave. These injuries include: amputation, blindness, deafness, paralysis, crushing, fractures and dislocations, exposure to electric current, asphyxia/ drowning, burns, concussion, mosquito borne diseases and virus outbreak with more than 20 days of medical leave; and
- **Minor** if it is an injury, other than fatal injuries and major injuries, which results in more than three days of medical

leave, or at least 24 hours of hospitalisation.

Confirmed Case Of Occupational Disease refers to one where there is definite evidence that the worker suffers from a disease which is related to his occupation.

F.1 WORKPLACE SAFETY AND HEALTH INDICATORS BY INDUSTRY, 2020

SSIC 2015 (v2018)	Industry	Workplace Fatal Injury Rate	Workplace Injury Rate	Occupational Disease Incidence
		per 100,000 workers		per 100,000 workers
	TOTAL	0.9	344	16.0
C10-32 (excl C301)	Manufacturing (excluding shipbuilding and ship repairing)	1.5	623	25.7
C10-12	Food, Beverages & Tobacco	-	1,097	41.1
C17,18,22	Paper / Rubber / Plastic Products & Printing	3.8	608	22.6
C19-20	Petrochemical	6.1	258	32.8
C23	Non-metallic Mineral Products	-	3,212	60.6
C24-25,27-28	Metalworking ¹	1.0	960	35.3
C26	Electronic, Computer & Optical Products	-	185	4.8
C29-30 (excl C301)	Transport Equipment (excluding shipbuilding and ship repairing)	-	252	34.9
C31	Furniture	10.8	882	10.8
C301,H52225,52252	Marine ²	3.3	407	18.0
F41-43	Construction	2.2	424	17.6
E36-38	Water Supply, Sewerage and Waste Management	18.3	1,085	30.5
G46-47	Wholesale and Retail Trade	0.4	173	5.6
G46	Wholesale Trade	0.6	121	3.9
G47	Retail Trade	-	278	9.3
H49-53 (excl H52252,52225)	Transportation and Storage (excluding Other Marine)	2.0	406	20.6
H49	Land Transport	2.8	179	17.8
H50	Water Transport	-	177	-
H52 (excl H52252,52225)	Warehousing and Support Activities for Transportation (excluding Other Marine)	2.1	752	31.1

Source : Occupational Safety and Health Division, MOM

¹ Includes Manufacture of Basic Metals, Fabricated Metal Products, Machinery & Equipment and Electrical Machinery & Apparatus.

² Includes Shipbuilding and Ship Repairing, Marine Surveying Services (other than classification societies), Salvaging of Distressed Vessels and Cargo and Works carried out at the anchorage.

Notes :

1) Data on workplace safety and health are compiled based on incident reports made by employers, occupiers and medical practitioners in the fulfilment of their obligations under the Workplace Safety and Health (Incident Reporting) Regulations.

2) Figures are victim-based.

F.1 WORKPLACE SAFETY AND HEALTH INDICATORS BY INDUSTRY, 2020 (continued)

SSIC 2015 (v2018)	Industry	Workplace Fatal Injury Rate	Workplace Injury Rate	Occupational Disease Incidence
		per 100,000 workers		per 100,000 workers
I55-56	Accommodation and Food Services	-	554	25.2
I55	Accommodation	-	1,153	74.6
I56	Food & Beverage Services	-	477	18.8
J58-63	Information and Communications	-	32	1.3
J58-61	Telecommunications, Broadcasting & Publishing	-	65	2.5
J62-63	IT & Other Information Services	-	21	0.9
K64-66	Financial and Insurance Services	-	69	4.9
L68	Real Estate Services	1.3	379	7.8
M69-75	Professional Services	-	146	8.2
M69-70	Legal, Accounting & Management Services	-	98	9.5
M71	Architectural & Engineering Services	-	290	8.2
N77-82	Administrative and Support Services	0.4	361	10.3
N80	Security & Investigation	-	428	24.4
N81	Cleaning & Landscaping	1.3	545	10.4
O84-U99	Community, Social and Personal Services	0.1	216	16.1
Q86-88	Health & Social Services	-	476	54.6
R90-93	Arts, Entertainment & Recreation	2.4	355	9.5

Source : Occupational Safety and Health Division, MOM

Notes :

1) Data on workplace safety and health are compiled based on incident reports made by employers, occupiers and medical practitioners in the fulfilment of their obligations under the Workplace Safety and Health (Incident Reporting) Regulations.

2) Figures are victim-based.

F.2 TOP INCIDENT TYPES LEADING TO WORKPLACE INJURIES BY INDUSTRY, 2020

SSIC 2015 (v2018)	Industry	Top Incident Types								Number
		Slips, Trips & Falls	Struck by Moving Objects	Cut/ Stabbed by Objects	Struck by Falling Objects	Caught in/ Between Objects	Over-exertion/ Strenuous Movement	Striking against Objects	Falls from Heights	
	TOTAL	3,480	1,821	1,137	900	820	798	646	452	
C10-32 (excl C301)	Manufacturing (excluding shipbuilding and ship repairing)	519	529	307	247	309	124	155	69	
C10-12	Food, Beverages & Tobacco	143	81	112	28	49	27	30	13	
C17,18,22	Paper / Rubber / Plastic Products & Printing	27	31	26	10	41	s	10	s	
C19-20	Petrochemical	32	16	s	10	17	s	s	s	
C23	Non-metallic Mineral Products	16	31	17	10	s	s	s	s	
C24-25,27-28	Metalworking ¹	167	281	68	133	139	41	63	29	
C26	Electronic, Computer & Optical Products	48	20	s	17	19	16	12	s	
C29-30 (excl C301)	Transport Equipment (excluding shipbuilding and ship repairing)	18	15	s	s	s	s	s	s	
C31	Furniture	14	11	25	10	s	s	s	s	
C301,H52225,52252	Marine ²	50	81	10	23	28	s	s	25	
F41-43	Construction	360	370	155	215	184	62	75	193	
E36-38	Water Supply, Sewerage and Waste Management	48	32	13	11	22	s	s	s	
G46-47	Wholesale and Retail Trade	267	102	90	74	29	69	42	29	
G46	Wholesale Trade	148	48	29	28	19	27	21	10	
G47	Retail Trade	119	54	61	46	10	42	21	19	
H49-53 (excl H52252,52225)	Transportation and Storage (excluding Other Marine)	359	181	37	84	80	74	47	30	
H49	Land Transport	72	25	s	12	s	16	s	s	
H50	Water Transport	s	s	-	s	s	-	s	s	
H52 (excl H52252,52225)	Warehousing and Support Activities for Transportation (excluding Other Marine)	255	146	30	66	68	51	36	21	

Source : Occupational Safety and Health Division, MOM

¹ Includes Manufacture of Basic Metals, Fabricated Metal Products, Machinery & Equipment and Electrical Machinery & Apparatus.

² Includes Shipbuilding and Ship Repairing, Marine Surveying Services (other than classification societies), Salvaging of Distressed Vessels and Cargo and Works carried out at the anchorage.

Notes :

1) Data on workplace safety and health are compiled based on incident reports made by employers, occupiers and medical practitioners in the fulfilment of their obligations under the Workplace Safety and Health (Incident Reporting) Regulations.

2) Figures are victim-based.

3) Figures include both fatal and non-fatal injuries.

4) Slips, Trips and Falls incidents are identified through Slips and Trips on same level/ Fall from Vehicle/ Stairs/ Steps/ Machines/ Other Locations incidents.

5) Falls from Heights (FFH) incidents are identified through fall from Roof/ Mobile Work Platform/ Scaffold/ Ladder/ Structure/ Into Depth incidents.

6) s : Suppressed because the injury numbers are too small (i.e. less than 10) for meaningful analysis.

7) Figures may not sum up to Total as data for selected industries are not separately reflected.

F.2 TOP INCIDENT TYPES LEADING TO WORKPLACE INJURIES BY INDUSTRY, 2020 (continued)

SSIC 2015 (v2018)	Industry	Top Incident Types								Number
		Slips, Trips & Falls	Struck by Moving Objects	Cut/ Stabbed by Objects	Struck by Falling Objects	Caught in/ Between Objects	Over-exertion/ Strenuous Movement	Striking against Objects	Falls from Heights	
I55-56	Accommodation and Food Services	355	94	292	63	27	81	84	11	
I55	Accommodation	118	41	44	20	s	26	26	s	
I56	Food & Beverage Services	237	53	248	43	19	55	58	s	
J58-63	Information and Communications	26	s	s	s	s	6	s	s	
J58-61	Telecommunications, Broadcasting & Publishing	13	s	s	s	s	s	-	s	
J62-63	IT & Other Information Services	13	s	s	-	-	s	s	-	
K64-66	Financial and Insurance Services	56	12	s	s	s	22	12	s	
L68	Real Estate Services	122	37	15	21	s	11	25	15	
M69-75	Professional Services	123	52	45	19	23	38	26	17	
M69-70	Legal, Accounting & Management Services	56	12	17	s	s	17	s	s	
M71	Architectural & Engineering Services	50	33	14	14	13	15	12	13	
N77-82	Administrative and Support Services	398	118	64	51	37	59	37	16	
N80	Security & Investigation	122	19	s	s	s	22	s	s	
N81	Cleaning & Landscaping	203	51	28	30	18	19	21	s	
O84-U99	Community, Social and Personal Services	745	188	91	79	60	214	116	32	
Q86-88	Health & Social Services	323	93	33	29	32	136	52	s	
R90-93	Arts, Entertainment & Recreation	69	s	12	s	s	14	s	s	

Source : Occupational Safety and Health Division, MOM

- Notes :
- 1) Data on workplace safety and health are compiled based on incident reports made by employers, occupiers and medical practitioners in the fulfilment of their obligations under the Workplace Safety and Health (Incident Reporting) Regulations.
 - 2) Figures are victim-based.
 - 3) Figures include both fatal and non-fatal injuries.
 - 4) Slips, Trips and Falls incidents are identified through Slips and Trips on same level/ Fall from Vehicle/ Stairs/ Steps/ Machines/ Other Locations incidents.
 - 5) Falls from Heights (FFH) incidents are identified through fall from Roof/ Mobile Work Platform/ Scaffold/ Ladder/ Structure/ Into Depth incidents.
 - 6) s : Suppressed because the injury numbers are too small (i.e. less than 10) for meaningful analysis.
 - 7) Figures may not sum up to Total as data for selected industries are not separately reflected.

F.3 WORKPLACE INJURIES BY INDUSTRY AND DEGREE OF INJURY, 2020

SSIC 2015 (v2018)	Industry	Total	Fatal	Number	
				Non-fatal	
				Major Injury	Minor Injury
TOTAL		11,350	30	463	10,857
C10-32 (excl C301)	Manufacturing (excluding shipbuilding and ship repairing)	2,446	6	110	2,330
C10-12	Food, Beverages & Tobacco	534	-	29	505
C17,18,22	Paper / Rubber / Plastic Products & Printing	161	1	5	155
C19-20	Petrochemical	126	3	8	115
C23	Non-metallic Mineral Products	106	-	7	99
C24-25,27-28	Metalworking ¹	979	1	39	939
C26	Electronic, Computer & Optical Products	156	-	6	150
C29-30 (excl C301)	Transport Equipment (excluding shipbuilding and ship repairing)	65	-	2	63
C31	Furniture	82	1	8	73
C301,H52225,52252	Marine ²	249	2	13	234
F41-43	Construction	1,757	9	74	1,674
E36-38	Water Supply, Sewerage and Waste Management	178	3	6	169
G46-47	Wholesale and Retail Trade	794	2	28	764
G46	Wholesale Trade	374	2	12	360
G47	Retail Trade	420	-	16	404

Source : Occupational Safety and Health Division, MOM

¹ Includes Manufacture of Basic Metals, Fabricated Metal Products, Machinery & Equipment and Electrical Machinery & Apparatus.² Includes Shipbuilding and Ship Repairing, Marine Surveying Services (other than classification societies), Salvaging of Distressed Vessels and Cargo and Works carried out at the anchorage.

Notes :

1) Data on workplace safety and health are compiled based on incident reports made by employers, occupiers and medical practitioners in the fulfilment of their obligations under the Workplace Safety and Health (Incident Reporting) Regulations.

2) Figures are victim-based.

3) Figures may not sum up to Total as data for selected industries are not separately reflected.

F.3 WORKPLACE INJURIES BY INDUSTRY AND DEGREE OF INJURY, 2020 (continued)

SSIC 2015 (v2018)	Industry	Total	Fatal	Number	
				Major Injury	Minor Injury
H49-53 (excl H52252, H52225)	Transportation and Storage (excluding Other Marine)	1,026	5	50	971
H49	Land Transport	191	3	7	181
H50	Water Transport	28	-	1	27
H52 (excl H52252, H52225)	Warehousing and Support Activities for Transportation (excluding Other Marine)	726	2	39	685
I55-56	Accommodation and Food Services	1,295	-	50	1,245
I55	Accommodation	309	-	8	301
I56	Food & Beverage Services	986	-	42	944
J58-63	Information and Communications	49	-	1	48
J58-61	Telecommunications, Broadcasting & Publishing	26	-	1	25
J62-63	IT & Other Information Services	23	-	-	23
K64-66	Financial and Insurance Services	141	-	5	136
L68	Real Estate Services	290	1	13	276
M69-75	Professional Services	375	-	10	365
M69-70	Legal, Accounting & Management Services	133	-	2	131
M71	Architectural & Engineering Services	178	-	6	172
N77-82	Administrative and Support Services	878	1	27	850
N80	Security & Investigation	210	-	7	203
N81	Cleaning & Landscaping	420	1	15	404
O84-U99	Community, Social and Personal Services	1,730	1	73	1,656
Q86-88	Health & Social Services	828	-	21	807
R90-93	Arts, Entertainment & Recreation	149	1	8	140

Source : Occupational Safety and Health Division, MOM

Notes :

- 1) Data on workplace safety and health are compiled based on incident reports made by employers, occupiers and medical practitioners in the fulfilment of their obligations under the Workplace Safety and Health (Incident Reporting) Regulations.
- 2) Figures are victim-based.
- 3) Figures may not sum up to Total as data for selected industries are not separately reflected.

F.4 WORKPLACE INJURIES BY INCIDENT TYPES AND DEGREE OF INJURY, 2020

Incident Types	Total	Fatal	Number	
			Non-fatal	
			Major Injury	Minor Injury
TOTAL	11,350	30	463	10,857
Slips, Trips & Falls	3,480	3	159	3,318
Struck by Moving Objects	1,821	1	47	1,773
Cut / Stabbed by Objects	1,137	-	22	1,115
Struck by Falling Objects	900	3	28	869
Caught in or Between Objects	820	4	48	768
Over-exertion / Strenuous Movement	798	-	8	790
Strike Against Objects	646	-	8	638
Falls from Heights	452	8	51	393
Exposure to/ Contact with Extreme Temperatures	389	1	37	351
Work-related Traffic	239	3	12	224
Exposed to/ Contact with Hazardous Substances	195	1	6	188
Exposed to/ Contact with Biological Materials	187	-	8	179
Physical Assault	117	-	2	115
Stepping on Objects	31	-	1	30
Fires and Explosion	27	3	7	17
Others	111	3	19	89

Source : Occupational Safety and Health Division, MOM

Notes :

- 1) Data on workplace safety and health are compiled based on incident reports made by employers, occupiers and medical practitioners in the fulfilment of their obligations under the Workplace Safety and Health (Incident Reporting) Regulations.
- 2) Figures are victim-based.
- 3) Slips, Trips and Falls incidents are identified through Slips and Trips on same level/ Fall from Vehicle/ Stairs/ Steps/ Machines/ Other Locations incidents.
- 4) Falls from Heights (FFH) incidents are identified through fall from Roof/ Mobile Work Platform/ Scaffold/ Ladder/ Structure/ Into Depth incidents.

F.5 WORKPLACE INJURIES BY TOP INCIDENT AGENTS AND DEGREE OF INJURY, 2020

Top Incident Agents	Total	Fatal	Number	
			Non-fatal	
			Major Injury	Minor Injury
TOTAL	11,350	30	463	10,857
Physical Workplace	2,159	8	116	2,035
Floor/Level Surfaces	2,010	2	92	1,916
Means of Access	964	3	51	910
Stairs or Steps	525	1	19	505
Ladders	348	2	25	321
Metal Items	1,225	3	26	1,196
Industrial Machines	852	2	59	791
Moving Vehicles	1,002	4	63	935
Furniture & Fittings	720	-	16	704
Industrial Hand Tools (Electrical & Non-electrical)	658	-	12	646
Human Factor	737	-	10	727
Knives and Needles	507	-	2	505
Goods/Cargo	478	1	18	459

Source : Occupational Safety and Health Division, MOM

Notes :

1) Data on workplace safety and health are compiled based on incident reports made by employers, occupiers and medical practitioners in the fulfilment of their obligations under the Workplace Safety and Health (Incident Reporting) Regulations.

2) Figures are victim-based.

F.6 CONFIRMED CASES OF OCCUPATIONAL DISEASES BY TYPE OF DISEASE, 2010 – 2020

Type of Disease	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	432	839	987	887	992	935	732	799	563	517	528
Noise Induced Deafness	364	741	869	564	594	498	322	329	163	169	110
Early	358	730	855	544	580	476	301	303	148	163	108
Advanced	6	11	14	20	14	22	21	26	15	6	2
Occupational Skin Disease	43	52	57	56	54	89	47	78	48	39	30
Excessive Absorption of Chemicals	15	10	4	4	2	1	2	1	-	-	-
Chemical Poisoning	-	1	-	3	-	1	-	18	-	-	3
Compressed Air Illness	2	6	12	5	7	18	14	15	2	2	5
Barotrauma	1	2	10	7	8	7	12	10	5	2	6
Work-related Musculoskeletal Disorder ¹	4	6	18	237	315	304	316	337	326	293	328
Occupational Lung Disease ²	1	10	5	9	5	5	7	1	6	4	5
Others	2	11	12	2	7	12	12	10	13	8	41

Source : Occupational Safety and Health Division, MOM

¹ Back injuries due to ergonomic risks were considered as a WRMSD case and included as occupational disease since 2013.

² Includes occupational asthma, silicosis and asbestosis.

Notes :

1) Data on workplace safety and health are compiled based on incident reports made by employers, occupiers and medical practitioners in the fulfilment of their obligations under the Workplace Safety and Health (Incident Reporting) Regulations.

2) Figures are victim-based.

F.7 CONFIRMED CASES OF OCCUPATIONAL DISEASES BY TYPE OF DISEASE AND INDUSTRY, 2020

SSIC 2015 (v2018)	Industry	Total	Noise Induced Deafness	Occupational Skin Disease	Excessive Absorption of Chemicals	Chemical Poisoning	Barotrauma	Compressed Air Illness	Occupational Lung Disease ¹	Work-related Musculo- skeletal Disorder ²	Number
											Others
	TOTAL	528	110	30	-	3	6	5	5	328	41
C10-32 (excl C301)	Manufacturing (excluding shipbuilding and ship repairing)	101	47	2	-	-	-	-	-	49	3
C10-12	Food, Beverages & Tobacco	20	6	1	-	-	-	-	-	12	1
C17,18,22	Paper / Rubber / Plastic Products & Printing	6	3	-	-	-	-	-	-	3	-
C19-20	Petrochemical	16	13	1	-	-	-	-	-	1	1
C23	Non-metallic Mineral Products	2	1	-	-	-	-	-	-	1	-
C24-25,27-28	Metalworking ³	36	17	-	-	-	-	-	-	18	1
C26	Electronic, Computer & Optical Products	4	2	-	-	-	-	-	-	2	-
C29-30 (excl C301)	Transport Equipment (excluding shipbuilding and ship repairing)	9	5	-	-	-	-	-	-	4	-
C31	Furniture	1	-	-	-	-	-	-	-	1	-
C301,H52225, 52252	Marine ⁴	11	4	-	-	-	-	1	-	5	1
F41-43	Construction	73	13	3	-	-	5	4	2	35	11
E36-38	Water Supply, Sewerage and Waste Management	5	4	-	-	-	-	-	-	1	-
G46-47	Wholesale and Retail Trade	26	1	-	-	-	-	-	-	25	-
G46	Wholesale Trade	12	1	-	-	-	-	-	-	11	-
G47	Retail Trade	14	-	-	-	-	-	-	-	14	-

Source : Occupational Safety and Health Division, MOM

¹ Includes occupational asthma, silicosis and asbestosis.

² Back injuries due to ergonomic risks were considered as a WRMSD case and included as occupational disease since 2013.

³ Includes Manufacture of Basic Metals, Fabricated Metal Products, Machinery & Equipment and Electrical Machinery & Apparatus.

⁴ Includes Shipbuilding and Ship Repairing, Marine Surveying Services (other than classification societies), Salvaging of Distressed Vessels and Cargo and Works carried out at the anchorage.

Notes :

1) Data on workplace safety and health are compiled based on incident reports made by employers, occupiers and medical practitioners in the fulfilment of their obligations under the Workplace Safety and Health (Incident Reporting) Regulations.

2) Figures are victim-based.

3) Figures may not sum up to Total as data for selected industries are not separately reflected.

F.7 CONFIRMED CASES OF OCCUPATIONAL DISEASES BY TYPE OF DISEASE AND INDUSTRY, 2020 (continued)

SSIC 2015 (v2018)	Industry	Total	Noise Induced Deafness	Occupational Skin Disease	Excessive Absorption of Chemicals	Chemical Poisoning	Barotrauma	Compressed Air Illness	Occupational Lung Disease ¹	Work-related Musculo- skeletal Disorder ²	Number
											Others
H49-53 (excl H52252, H52225)	Transportation and Storage (excluding Other Marine)	52	18	-	-	-	-	-	1	32	1
H49	Land Transport	19	11	-	-	-	-	-	-	8	-
H50	Water Transport	-	-	-	-	-	-	-	-	-	-
H52 (excl H52252, H52225)	Warehousing and Support Activities for Transportation (excluding Other Marine)	30	7	-	-	-	-	-	1	22	-
I55-56	Accommodation and Food Services	59	-	1	-	-	-	-	-	54	4
I55	Accommodation	20	-	-	-	-	-	-	-	20	-
I56	Food & Beverage Services	39	-	1	-	-	-	-	-	34	4
J58-63	Information and Communications	2	-	-	-	-	-	-	-	2	-
J58-61	Telecommunications, Broadcasting & Publishing	-	-	-	-	-	-	-	-	-	-
J62-63	IT & Other Information Services	1	-	-	-	-	-	-	-	1	-
K64-66	Financial and Insurance Services	10	3	-	-	-	-	-	-	7	-
L68	Real Estate Services	6	-	-	-	-	-	-	1	5	-
M69-75	Professional Services	21	10	1	-	-	1	-	-	9	-
M69-70	Legal, Accounting & Management Services	13	10	-	-	-	1	-	-	2	-
M71	Architectural & Engineering Services	5	-	-	-	-	-	-	-	5	-
N77-82	Administrative and Support Services	25	4	1	-	-	-	-	-	16	4
N80	Security & Investigation	12	3	-	-	-	-	-	-	5	4
N81	Cleaning & Landscaping	8	-	1	-	-	-	-	-	7	-
O84-U99	Community, Social and Personal Services	129	4	22	-	3	-	-	-	83	17
Q86-88	Health & Social Services	38	-	13	-	-	-	-	-	22	3
R90-93	Arts, Entertainment & Recreation	4	-	-	-	-	-	-	-	4	-

Source : Occupational Safety and Health Division, MOM

¹ Includes occupational asthma, silicosis and asbestosis.² Back injuries due to ergonomic risks were considered as a WRMSD case and included as occupational disease since 2013.

Notes :

1) Data on workplace safety and health are compiled based on incident reports made by employers, occupiers and medical practitioners in the fulfilment of their obligations under the Workplace Safety and Health (Incident Reporting) Regulations.

2) Figures are victim-based.

3) Figures may not sum up to Total as data for selected industries are not separately reflected.

F.8 AMOUNT OF WORK INJURY COMPENSATION AWARDED (\$M), 2018 – 2020

Work Injury Compensation		2018	2019	2020
Temporary Incapacity*	No. of Cases	10,170	11,496	12,599
	MC Wages (\$million)	9.48	11.22	10.20
Permanent Incapacity*	No. of Cases	4,304	4,370	3,664
	MC Wages (\$million)	12.41	14.92	14.39
	PI Compensation (\$million)	73.88	76.26	60.01
Fatal*	No. of Cases	111	126	108
	Death Compensation (\$million)	15.96	17.62	14.64
Total	No. of Cases	14,585	15,992	16,371
	MC Wages (\$million)	21.89	26.14	24.59
	PI/ Death Compensation (\$million)	89.84	93.88	74.65

Source : Occupational Safety and Health Division, MOM

* includes Occupational Diseases

Notes :

- 1) MC wages indicated in the table above are computed based on the number of days of medical/hospitalisation leave captured by MOM.
- 2) Excludes cases that were withdrawn, cases with No-Further-Action required and cases that were not admitted under the Work Injury Compensation Act.
- 3) 0% permanent incapacity cases are accounted under Temporary Incapacity.



Social Security

SOCIAL SECURITY

Source of Data

Statistics on Central Provident Fund (CPF) members are compiled by the Central Provident Fund Board.

Definitions and Notes

An **active CPF member** refers to a person who has at least one contribution paid for him for the current or any of the preceding three months.

All CPF members have three accounts with the CPF Board – the Ordinary, MediSave and Special Account. Savings in the Ordinary Account can be used to buy a home, pay for insurance premiums (namely the Dependants' Protection Scheme and Home Protection Scheme), or used for investment. MediSave savings can be used for hospitalisation expenses, approved medical insurance and certain outpatient treatments while savings in the Special Account are reserved for retirement needs or for investments as well. From age 55, a Retirement Account will be created. This account, comprising monies transferred from the Special and/or Ordinary Account, is used to provide monthly payouts for members during retirement.

Both the employer and the employee make monthly contributions to the CPF. The employer is liable to pay the total CPF contributions, and is entitled to recover the employee's contribution from the employee's wages.

G.1 CENTRAL PROVIDENT FUND CONTRIBUTION RATES, 1997 – 2021

Per Cent

Period	Contribution Rate			Credited Into		
	Total	By Employer	By Employee	Ordinary Account	Special Account	MediSave Account
From Jan 1997 to Dec 1998						
Up to 35 years	40.0	20.0	20.0	30.0	4.0	6.0
Above 35 – 45 years	40.0	20.0	20.0	29.0	4.0	7.0
Above 45 – 55 years	40.0	20.0	20.0	28.0	4.0	8.0
Above 55 – 60 years	20.0	7.5	12.5	12.0	-	8.0
Above 60 – 65 years	15.0	7.5	7.5	7.0	-	8.0
Above 65 years	10.0	5.0	5.0	2.0	-	8.0
From Jan 1999 to Mar 2000						
Up to 35 years	30.0	10.0	20.0	24.0	-	6.0
Above 35 – 45 years	30.0	10.0	20.0	23.0	-	7.0
Above 45 – 55 years	30.0	10.0	20.0	22.0	-	8.0
Above 55 – 60 years	16.5	4.0	12.5	8.5	-	8.0
Above 60 – 65 years	9.5	2.0	7.5	1.5	-	8.0
Above 65 years	7.0	2.0	5.0	-	-	7.0
From Apr 2000 to Dec 2000						
Up to 35 years	32.0	12.0	20.0	24.0	2.0	6.0
Above 35 – 45 years	32.0	12.0	20.0	23.0	2.0	7.0
Above 45 – 55 years	32.0	12.0	20.0	22.0	2.0	8.0
Above 55 – 60 years	17.0	4.5	12.5	9.0	-	8.0
Above 60 – 65 years	10.0	2.5	7.5	2.0	-	8.0
Above 65 years	7.5	2.5	5.0	-	-	7.5
From Jan 2001 to Sep 2003						
Up to 35 years	36.0	16.0	20.0	26.0	4.0	6.0
Above 35 – 45 years	36.0	16.0	20.0	23.0	6.0	7.0
Above 45 – 55 years	36.0	16.0	20.0	22.0	6.0	8.0
Above 55 – 60 years	18.5	6.0	12.5	10.5	-	8.0
Above 60 – 65 years	11.0	3.5	7.5	2.5	-	8.5
Above 65 years	8.5	3.5	5.0	-	-	8.5

Source : Central Provident Fund Board

G.1 CENTRAL PROVIDENT FUND CONTRIBUTION RATES, 1997 – 2021 (continued)

Per Cent

Period	Contribution Rate			Credited Into		
	Total	By Employer	By Employee	Ordinary Account	Special Account	MediSave Account
From Oct 2003 to Dec 2004						
Up to 35 years	33.0	13.0	20.0	22.0	5.0	6.0
Above 35 – 45 years	33.0	13.0	20.0	20.0	6.0	7.0
Above 45 – 55 years	33.0	13.0	20.0	18.0	7.0	8.0
Above 55 – 60 years	18.5	6.0	12.5	10.5	-	8.0
Above 60 – 65 years	11.0	3.5	7.5	2.5	-	8.5
Above 65 years	8.5	3.5	5.0	-	-	8.5
From Jan 2005 to Dec 2005						
Up to 35 years	33.0	13.0	20.0	22.0	5.0	6.0
Above 35 – 45 years	33.0	13.0	20.0	20.0	6.0	7.0
Above 45 – 50 years	33.0	13.0	20.0	18.0	7.0	8.0
Above 50 – 55 years	30.0	11.0	19.0	15.0	7.0	8.0
Above 55 – 60 years	18.5	6.0	12.5	10.5	-	8.0
Above 60 – 65 years	11.0	3.5	7.5	2.5	-	8.5
Above 65 years	8.5	3.5	5.0	-	-	8.5
From Jan 2006 to Jun 2007						
Up to 35 years	33.0	13.0	20.0	22.0	5.0	6.0
Above 35 – 45 years	33.0	13.0	20.0	20.0	6.0	7.0
Above 45 – 50 years	33.0	13.0	20.0	18.0	7.0	8.0
Above 50 – 55 years	27.0	9.0	18.0	12.0	7.0	8.0
Above 55 – 60 years	18.5	6.0	12.5	10.5	-	8.0
Above 60 – 65 years	11.0	3.5	7.5	2.5	-	8.5
Above 65 years	8.5	3.5	5.0	-	-	8.5

Source : Central Provident Fund Board

G.1 CENTRAL PROVIDENT FUND CONTRIBUTION RATES, 1997 – 2021 (continued)

Period	Contribution Rate			Credited Into			Per Cent
	Total	By Employer	By Employee	Ordinary Account	Special Account	MediSave Account	
From Jul 2007 to Aug 2010 ¹							
Up to 35 years	34.5	14.5	20.0	23.0	5.0	6.5	
Above 35 – 45 years	34.5	14.5	20.0	21.0	6.0	7.5	
Above 45 – 50 years	34.5	14.5	20.0	19.0	7.0	8.5	
Above 50 – 55 years	28.5	10.5	18.0	13.0	7.0	8.5	
Above 55 – 60 years	20.0	7.5	12.5	11.5	-	8.5	
Above 60 – 65 years	12.5	5.0	7.5	3.5	-	9.0	
Above 65 years	10.0	5.0	5.0	1.0	-	9.0	
From Sep 2010 to Feb 2011 ¹							
Up to 35 years	35.0	15.0	20.0	23.0	5.0	7.0	
Above 35 – 45 years	35.0	15.0	20.0	21.0	6.0	8.0	
Above 45 – 50 years	35.0	15.0	20.0	19.0	7.0	9.0	
Above 50 – 55 years	29.0	11.0	18.0	13.0	7.0	9.0	
Above 55 – 60 years	20.5	8.0	12.5	11.5	-	9.0	
Above 60 – 65 years	13.0	5.5	7.5	3.5	-	9.5	
Above 65 years	10.5	5.5	5.0	1.0	-	9.5	
From Mar 2011 to Aug 2011 ¹							
Up to 35 years	35.5	15.5	20.0	23.0	5.5	7.0	
Above 35 – 45 years	35.5	15.5	20.0	21.0	6.5	8.0	
Above 45 – 50 years	35.5	15.5	20.0	19.0	7.5	9.0	
Above 50 – 55 years	29.5	11.5	18.0	13.0	7.5	9.0	
Above 55 – 60 years	21.0	8.5	12.5	11.5	0.5	9.0	
Above 60 – 65 years	13.5	6.0	7.5	3.5	0.5	9.5	
Above 65 years	11.0	6.0	5.0	1.0	0.5	9.5	

Source : Central Provident Fund Board

¹ For total wages exceeding \$1,500 per month. The Ordinary Wage Ceiling is \$4,500.

G.1 CENTRAL PROVIDENT FUND CONTRIBUTION RATES, 1997 – 2021 (continued)

Period	Contribution Rate			Credited Into			Per Cent
	Total	By Employer	By Employee	Ordinary Account	Special Account	MediSave Account	
From Sep 2011 to Aug 2012 ²							
Up to 35 years	36.0	16.0	20.0	23.0	6.0	7.0	
Above 35 – 45 years	36.0	16.0	20.0	21.0	7.0	8.0	
Above 45 – 50 years	36.0	16.0	20.0	19.0	8.0	9.0	
Above 50 – 55 years	30.0	12.0	18.0	13.0	8.0	9.0	
Above 55 – 60 years	21.5	9.0	12.5	11.5	1.0	9.0	
Above 60 – 65 years	14.0	6.5	7.5	3.5	1.0	9.5	
Above 65 years	11.5	6.5	5.0	1.0	1.0	9.5	
From Sep 2012 to Dec 2013 ²							
Up to 35 years	36.0	16.0	20.0	23.0	6.0	7.0	
Above 35 – 45 years	36.0	16.0	20.0	21.0	7.0	8.0	
Above 45 – 50 years	36.0	16.0	20.0	19.0	8.0	9.0	
Above 50 – 55 years	32.5	14.0	18.5	13.5	9.5	9.5	
Above 55 – 60 years	23.5	10.5	13.0	12.0	2.0	9.5	
Above 60 – 65 years	14.5	7.0	7.5	3.5	1.5	9.5	
Above 65 years	11.5	6.5	5.0	1.0	1.0	9.5	

Source : Central Provident Fund Board

² For total wages exceeding \$1,500 per month. The Ordinary Wage Ceiling is \$5,000.

G.1 CENTRAL PROVIDENT FUND CONTRIBUTION RATES, 1997 – 2021 (continued)

Period	Contribution Rate			Credited Into			Per Cent
	Total	By Employer	By Employee	Ordinary Account	Special Account	MediSave Account	
From Jan 2014 to Dec 2014 ³							
Up to 35 years	36.0	16.0	20.0	23.0	6.0	7.0	
Above 35 – 45 years	36.0	16.0	20.0	21.0	7.0	8.0	
Above 45 – 50 years	36.0	16.0	20.0	19.0	8.0	9.0	
Above 50 – 55 years	32.5	14.0	18.5	13.5	9.5	9.5	
Above 55 – 60 years	23.5	10.5	13.0	12.0	2.0	9.5	
Above 60 – 65 years	14.5	7.0	7.5	3.5	1.5	9.5	
Above 65 years	11.5	6.5	5.0	1.0	1.0	9.5	
From Jan 2015 to Dec 2015 ³							
Up to 35 years	37.0	17.0	20.0	23.0	6.0	8.0	
Above 35 – 45 years	37.0	17.0	20.0	21.0	7.0	9.0	
Above 45 – 50 years	37.0	17.0	20.0	19.0	8.0	10.0	
Above 50 – 55 years	35.0	16.0	19.0	14.0	10.5	10.5	
Above 55 – 60 years	25.0	12.0	13.0	12.0	2.5	10.5	
Above 60 – 65 years	16.0	8.5	7.5	3.5	2.0	10.5	
Above 65 years	12.5	7.5	5.0	1.0	1.0	10.5	
From Jan 2016 onwards ⁴							
Up to 35 years	37.0	17.0	20.0	23.0	6.0	8.0	
Above 35 – 45 years	37.0	17.0	20.0	21.0	7.0	9.0	
Above 45 – 50 years	37.0	17.0	20.0	19.0	8.0	10.0	
Above 50 – 55 years	37.0	17.0	20.0	15.0	11.5	10.5	
Above 55 – 60 years	26.0	13.0	13.0	12.0	3.5	10.5	
Above 60 – 65 years	16.5	9.0	7.5	3.5	2.5	10.5	
Above 65 years	12.5	7.5	5.0	1.0	1.0	10.5	

Source : Central Provident Fund Board

³ For total wages exceeding \$750 per month. The Ordinary Wage Ceiling is \$5,000.⁴ For total wages exceeding \$750 per month. The Ordinary Wage Ceiling is \$6,000.

G.2 ACTIVE CENTRAL PROVIDENT FUND MEMBERS BY AGE, 2010 – 2020
(At Year-End)

Age (Year)	Thousands										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	1,700.4	1,735.4	1,788.8	1,854.3	1,951.0	1,959.3	1,974.3	1,990.4	2,014.4	2,037.8	2,042.3
Up to 20	43.9	42.5	45.7	49.3	56.8	49.7	45.0	43.2	43.5	42.6	34.3
> 20 – 25	115.5	118.6	122.4	122.1	129.4	120.1	115.7	112.2	107.4	102.9	95.7
> 25 – 30	209.3	202.2	199.8	208.2	217.6	221.0	228.4	232.0	228.1	228.4	221.6
> 30 – 35	231.1	229.4	232.2	233.9	235.7	233.5	226.9	223.9	233.4	239.5	246.8
> 35 – 40	232.0	234.3	233.2	232.4	236.6	237.5	235.8	237.9	238.6	237.8	238.5
> 40 – 45	210.6	214.0	220.9	228.7	237.4	236.7	237.2	233.4	231.0	231.6	234.4
> 45 – 50	206.9	210.4	212.6	214.6	217.2	215.4	216.4	220.1	225.4	228.8	229.3
> 50 – 55	182.7	188.1	194.4	201.1	209.9	210.6	211.2	208.8	207.4	204.3	203.7
> 55 – 60	132.0	142.6	153.9	165.3	178.3	182.9	185.4	187.1	189.3	191.3	192.4
Above 60	136.2	153.3	173.5	198.6	232.1	251.8	272.2	291.8	310.4	330.6	345.5

Source : Central Provident Fund Board

Notes :

- 1) Data exclude self-employed persons.
- 2) Data may not add up to the total due to rounding.
- 3) 'Total' includes active CPF members with unspecified age.

G.3 ACTIVE CENTRAL PROVIDENT FUND MEMBERS BY INDUSTRY AND SEX, 2017 – 2020
(At Year-End)

SSIC 2015	Industry	Thousands					
		2017			2018		
		Total	Males	Females	Total	Males	Females
	TOTAL	1,990.4	1,005.0	985.4	2,014.4	1,013.9	1,000.5
C10-32	Manufacturing	239.8	146.9	92.9	238.5	145.7	92.8
F41-43	Construction	105.6	70.5	35.1	103.8	69.3	34.5
G-U	Services	1,627.5	776.0	851.6	1,654.5	787.4	867.2
G46-47	Wholesale & Retail Trade	295.8	139.6	156.2	295.8	139.3	156.4
H49-53	Transport & Storage	129.0	84.4	44.7	131.6	86.1	45.5
I55-56	Accommodation & Food Service Activities	134.5	59.5	75.0	137.2	60.7	76.4
J58-63	Information & Communications	82.1	46.6	35.5	85.2	48.6	36.6
K64-66	Financial & Insurance Activities	162.7	71.1	91.7	167.5	73.5	93.9
L68	Real Estate Activities	48.3	23.5	24.8	48.2	23.5	24.7
M69-75	Professional, Scientific & Technical Activities	164.9	80.4	84.5	169.1	82.0	87.0
N77-82	Administrative & Support Service Activities	185.3	104.2	81.1	188.3	105.2	83.1
O-U	Other Service Activities	424.9	166.7	258.2	431.8	168.3	263.6
A,B,D,E,V	Others ¹	17.5	11.6	5.9	17.5	11.5	6.0

Source : Central Provident Fund Board

¹ Includes Agriculture, Fishing, Quarrying, Utilities, Sewerage & Waste Management and Activities Not Adequately Defined.

Notes :

- 1) Data for males and females do not add up to the total due to unspecified sex.
- 2) Data exclude self-employed persons.
- 3) Data may not add up to the total due to rounding.

G.3 ACTIVE CENTRAL PROVIDENT FUND MEMBERS BY INDUSTRY AND SEX, 2017 – 2020 (continued)

(At Year-End)

Thousands

SSIC 2015	Industry	2019			2020		
		Total	Males	Females	Total	Males	Females
	TOTAL	2,037.8	1,021.5	1,016.3	2,042.3	1,026.4	1,015.9
C10-32	Manufacturing	239.0	145.4	93.5	235.4	142.7	92.8
F41-43	Construction	102.7	68.0	34.7	102.2	67.7	34.6
G-U	Services	1,679.5	797.1	882.5	1,687.4	804.5	882.9
G46-47	Wholesale & Retail Trade	293.5	137.1	156.4	288.8	135.5	153.2
H49-53	Transport & Storage	133.2	86.8	46.5	130.7	85.7	45.0
I55-56	Accommodation & Food Service Activities	141.8	62.9	78.9	137.4	60.4	76.9
J58-63	Information & Communications	89.5	51.0	38.5	93.5	53.5	40.0
K64-66	Financial & Insurance Activities	169.5	74.5	95.0	172.8	76.5	96.3
L68	Real Estate Activities	48.1	23.3	24.8	47.7	23.4	24.4
M69-75	Professional, Scientific & Technical Activities	178.2	86.9	91.3	179.6	88.0	91.6
N77-82	Administrative & Support Service Activities	188.8	105.8	83.0	188.6	107.2	81.4
O-U	Other Service Activities	436.8	168.8	268.1	448.4	174.3	274.1
A,B,D,E,V	Others ¹	16.6	11.0	5.6	17.2	11.6	5.7

Source : Central Provident Fund Board

¹ Includes Agriculture, Fishing, Quarrying, Utilities, Sewerage & Waste Management and Activities Not Adequately Defined.

Notes :

- 1) Data for males and females do not add up to the total due to unspecified sex.
- 2) Data exclude self-employed persons.
- 3) Data may not add up to the total due to rounding.



Higher Education And Skills Training



HIGHER EDUCATION AND SKILLS TRAINING

Source of Data

Statistics on starting salaries of graduates are collected through the Graduate Employment Survey conducted by publicly-funded local universities, polytechnics and Institute of Technical Education (ITE). The monthly gross starting salary comprises the basic salary, fixed allowances, overtime pay and commissions, but does not include bonuses, as the graduates generally would not have worked long enough to get bonus payouts. The data pertain to graduates in full-time permanent employment, including those on contracts of one year or more.

Statistics on the number of graduates from the institutions of higher learning in Singapore are provided by the National University of Singapore, Nanyang Technological University (including National Institute of Education), Singapore Management University, Singapore University of Technology and Design, Singapore Institute of Technology, Singapore University of Social Sciences, Singapore Institute of Management, Singapore Polytechnic, Ngee Ann Polytechnic, Temasek Polytechnic, Nanyang Polytechnic and Republic Polytechnic.

Statistics on the number of persons who completed or participated in vocational

or professional skills training courses are provided by the Institute of Technical Education, SkillsFuture Singapore, Workforce Singapore and National Trade Union Congress.

About the Institutions

The **National University of Singapore** (NUS) was established in 1980 with the merger of the University of Singapore (founded in 1962) and Nanyang University (founded in 1955).

NUS has 17 faculties and schools, namely:

- Faculty of Arts and Social Sciences;
- NUS Business School;
- School of Computing;
- School of Continuing and Lifelong Education;
- Faculty of Dentistry;
- School of Design and Environment;
- Faculty of Engineering;
- Faculty of Law;
- Yong Loo Lin School of Medicine;
- Yong Siew Toh Conservatory of Music;
- Faculty of Science;
- University Scholars Programme;
- Yale-NUS College;
- Saw Swee Hock School of Public Health;
- NUS Graduate School;

- Lee Kuan Yew School of Public Policy;
- Duke-NUS Medical School.

There is also a specialty institute known as the Institute of Systems Science offering higher degree courses and executive education programmes.

The **Nanyang Technological University** (NTU Singapore) was established in 1991 and has roots that go back to 1981 when its predecessor institution, Nanyang Technological Institute (NTI), was set up on the grounds of the former Nanyang University as a teaching university.

NTU is organised into the following colleges and schools:

Colleges and Schools

College of Engineering

- School of Chemical and Biomedical Engineering
- School of Civil and Environmental Engineering
- School of Computer Science and Engineering
- School of Electrical and Electronic Engineering
- School of Materials Science and Engineering
- School of Mechanical and Aerospace Engineering

College of Business

- Nanyang Business School

College of Science

- Asian School of the Environment
- School of Biological Sciences
- School of Physical and Mathematical Sciences

College of Humanities, Arts & Social Sciences

- School of Art, Design and Media
- School of Humanities
- School of Social Sciences
- Wee Kim Wee School of Communication and Information

Graduate College

Autonomous entities

- National Institute of Education;
- S Rajaratnam School of International Studies;
- Lee Kong Chian School of Medicine;
- Earth Observatory of Singapore;
- Singapore Centre for Environmental Life Sciences Engineering;
- Chinese Heritage Centre.

The **Singapore Management University** (SMU) was incorporated in 2000.

SMU comprises six schools, namely:

- Lee Kong Chian School of Business;
- School of Accountancy;
- School of Economics;
- School of Computing and Information Systems;
- Yong Pung How School of Law; and
- School of Social Sciences.

Together, they offer Bachelor's, Master's and PhD degree programmes and executive development and professional programmes.

Through SMU Executive Development and the SMU Academy, SMU also provides customised corporate training and lifelong learning for individuals and organisations.

The **Singapore University of Technology and Design** (SUTD) was established in 2009.

SUTD offers these degree programmes:

- Architecture and Sustainable Design,
- Design and Artificial Intelligence
- Engineering Product Development,
- Engineering Systems and Design, and
- Information Systems Technology and Design.

There are also other undergraduate programmes:

- SUTD-Duke-NUS Special Track
- SUTD Honours and Research Programme (SHARP)
- SUTD Technology Entrepreneurship Programme (STEP)

SUTD also offers Masters and PhD degree programmes. In addition, skill-based professional education and training courses are available at the SUTD Academy.

The **Singapore Institute of Technology** (SIT) was established in 2009.

SIT offers degree programmes targeted at growth sectors of the economy and spanning five clusters:

- Engineering
- Chemical Engineering and Food Technology
- Infocomm Technology
- Health and Social Sciences
- Design and Specialised Businesses

In AY2021, SIT offers a total of 38 degree programmes from across SIT and six overseas universities, including DigiPen Institute of Technology, Massey University, Newcastle University, Technical University of Munich, The Culinary Institute of America and University of Glasgow.

The **Singapore University of Social Sciences** (SUSS) was founded in 2005 and became an autonomous university in 2017.

SUSS offers more than 80 undergraduate and graduate programmes, available in full- and part-time study modes which cater to both fresh school leavers and adult learners. It also has a range of continuing education and training modular courses.

SUSS' programmes and courses are made available through its five schools:

- S R Nathan School of Human Development
- School of Business
- School of Humanities and Behavioural Sciences
- School of Law
- School of Science and Technology.

The **Singapore Institute of Management Group Limited** (SIM Group) was founded in 1964 to support Singapore's economic development. SIM Group offers its educational and training services through the following brands:

- SIM Global Education
- Singapore (Cambodia) International Academy
- SIM Professional Development and Enterprise Learning.

The **Singapore Polytechnic** (SP), founded in 1954, is the first polytechnic to be established in Singapore.

In 2021, SP offered 30 full-time courses that lead to diploma qualifications in various fields.

SP is organised into 10 schools (School of Architecture & the Built Environment, SP Business School, School of Chemical & Life Sciences, School of Computing, School of Electrical & Electronic Engineering, School of Life Skills & Communication, School of Mechanical & Aeronautical Engineering, School of Mathematics & Science, SP Media, Arts & Design School and Singapore Maritime Academy).

The **Ngee Ann Polytechnic** (NP) assumed its name in 1982. It was initially established as a private institution in 1963 under the name of Ngee Ann College. It became a public institution and was renamed Ngee Ann Technical College in 1968.

NP offers full-time diplomas in Arts, Design & Media, Built Environment, Business, Engineering, Health Sciences, Humanities & Social Sciences, Information & Digital Technologies and Sciences. NP also offers part-time Continuing Education and Training (CET) course for adult learners.

The **Temasek Polytechnic** (TP) was established in 1990. It is organised into seven schools, namely Applied Science, Business, Design, Engineering, Humanities & Social Sciences, Informatics & IT, and Centre for Foundation Studies. They offer a total of 37 diploma courses and 39 Polytechnic Foundation Programme courses in 2021. TP also conducts part-time courses for working adults.

The **Nanyang Polytechnic** (NYP) was established as an institution of higher learning in 1992. NYP has six academic schools offering more than 40 full-time diploma courses and programmes in Applied Science, Business Management, Design & Media, Engineering, Health & Social Sciences and Information Technology. It also has continuing education and training (CET) options for lifelong learning, ranging from specialist and advanced diplomas, to SkillsFuture modules and course.

NYP partnered with SkillsFuture Singapore (SSG) to set up three CET institutes. The Asian Culinary Institute and the Singapore Institute of Retail Studies champion and transform Singapore's F&B and retail sectors respectively, while the National Centre of Excellence for Workplace Learning spearheads the development of progressive workplace learning strategies and programmes for companies in Singapore.

The **Republic Polytechnic** (RP) was established in 2002 as the fifth polytechnic in Singapore. RP has seven schools and one academic centre offering 37 full-time diplomas in Applied Science, Engineering, Management and Communication, Hospitality, Infocomm, Sports, Health & Leisure, and Technology for the Arts. The RP Academy for Continuing Education also offers a range of lifelong learning programmes to provide adult learners with skills upgrading opportunities.

The **Institute of Technical Education** (ITE) was established in 1992 as a post-secondary institution which provides pre-employment training for secondary school graduates and Continuing Education and Training (CET) for adult learners.

ITE offers full-time and traineeship programmes to secondary school graduates, as well as skills training and academic education programmes to adult learners. Employees can also undergo On-the-Job Training in companies which are Certified On-the-Job Training Centres. In addition, ITE conducts skills evaluation tests for public candidates and instructional skills and related programmes for industry trainers.

Full-time training is offered to secondary school graduates with the GCE 'O' and 'N' Level qualifications in Applied & Health Sciences, Business & Services, Design & Media, Engineering, Hospitality

and Electronics & Info-communications Technology. Upon completion of the courses, students are awarded a Higher National ITE Certificate (*Higher Nitec*) or National ITE Certificate (*Nitec*). ITE also offers Technical Diploma programmes in niche areas in collaboration with overseas institutions as another pathway for upgrading.

The Traineeship programme is an 'earn-as-you-learn' scheme for secondary school graduates or adult learners who wish to work and upgrade concurrently. It has two training components - On-the-Job Training (OJT) and Off-the-Job Training (Off-JT). OJT is conducted by the sponsoring companies on their premises while Off-JT could be provided by ITE or companies certified by ITE as Approved Training Centres.

Adult learners may choose from a range of CET programmes from *Nitec*, *Higher Nitec*, *Specialist Nitec* to ITE Skills Certificate (ISC) courses, to upgrade their skills. These programmes are offered in modules, giving adult learners the flexibility to sign up for training based on their needs.

Adult learners who wish to acquire academic qualifications otherwise obtained through the formal school system, can enrol in the part-time General Education Programme from Secondary One (Normal) to GCE 'N' and GCE 'O' Levels.

In April 2021, ITE offered 28 Work-Study Diploma (WSDip) courses in various Engineering, Business & Services and Infocomm sectors.

The WSDip is an apprenticeship-based training programme delivered in partnership with employers to give *Nitec* and *Higher Nitec* graduates a head-start in careers related to their discipline of study. The training comprises of Off-JT at ITE and OJT at the companies.

The **SkillsFuture Singapore** (SSG) is a statutory board under the Ministry of Education (MOE) that drives and coordinates the implementation of the national SkillsFuture movement, promotes lifelong learning through the pursuit of skills mastery, and strengthens the ecosystem of quality education and training in Singapore.

Together with educational institutions and training partners, SSG brings to students and working adults access to industry-relevant training throughout life. SSG synergises continuing education and training (CET) and pre-employment training (PET) so that skills requirements will continue to meet the demands of different sectors of the economy. SSG also regulates the local Private Education industry, provides student services, consumer education, and facilitates capability development efforts to uplift standards in this

industry via the Committee for Private Education.

The **Workforce Singapore** (WSG) is a statutory board under the Ministry of Manpower. It strives to minimise mismatches and maximise matching between jobs and skills, workers and businesses by working with individuals, businesses and partners such that innovation-driven growth of our economy can also provide inclusive growth for our people.

WSG works with individuals to help them find jobs, build careers at all life stages and manage career transitions throughout their lives. WSG also promotes the inclusiveness of all levels of our workforce.

WSG supports businesses to adopt new business models, be more manpower lean and create progressive workplaces, so that businesses can create quality jobs to attract and build a stronger Singaporean core.

The Professional Conversion Programmes (PCPs), administered by WSG, were introduced in 2007 to help professionals, managers, executives and technicians (PMETs) convert and upgrade their skills and make career switches to jobs in growth areas.

The **Employment and Employability Institute** (e2i) creates solutions for better employment and employability. An initiative of the National Trades Union Congress (NTUC), e2i assists Singapore workers through Career Coaching, Training and Job Matching initiatives, impacting more than 870,000 workers since 2008.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020

Institution/Research Institute/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
National University of Singapore	9,442	10,056	10,211	10,764	10,748	10,765	10,919	11,153	11,514	11,918	12,361
Faculty of Arts and Social Sciences ¹	1,701	1,895	1,762	1,724	1,761	1,648	1,812	1,878	1,956	1,945	2,122
School of Business	940	924	891	982	956	963	1,023	992	1,096	1,226	1,291
School of Computing ²	806	754	747	718	795	855	884	927	989	999	1,174
Faculty of Dentistry	66	62	56	76	73	75	79	78	83	84	74
School of Design and Environment	540	675	701	726	740	813	741	732	793	810	775
Duke-NUS Graduate Medical School Singapore	*	24	38	45	51	59	55	66	82	76	67
Faculty of Engineering ³	2,387	2,568	2,624	2,710	2,623	2,608	2,510	2,621	2,511	2,563	2,695
Bioengineering	73	70	71	77	11	96	91	89	88	89	128
Civil	85	75	95	81	100	125	100	126	131	124	131
Chemical	301	310	313	366	341	361	267	314	314	329	294
Computer ⁴	84	91	76	10	*	*	*	*	*	*	*
Electrical	392	325	293	286	247	255	243	213	210	182	210
Electronics	92	108	106	75	59	85	86	83	59	43	39
Engineering Science	35	42	58	45	38	35	41	21	21	18	37
Environmental	36	65	65	73	67	64	72	88	73	64	47
Industrial and Systems Engineering ⁵	75	89	110	118	125	158	157	184	157	165	153

Source : National University of Singapore

* Refers to course yet to commence or produce graduates, or was not offered.

¹ Data include graduates of higher degree programmes from Regional English Language Centre.² Data include graduates of higher degree and graduate diploma programmes from Institute of Systems Science.³ While the total for the Faculty of Engineering comprises graduates of first degree, higher degree and graduate diploma programmes, the breakdown by discipline pertains specifically to first degree graduates only.⁴ From 2012 onwards, data exclude graduates of B.Eng.(Computer Engineering) from the Multi Disciplinary Programme which is co-hosted by the Faculty of Engineering and School of Computing. Graduates of B.Eng.(Computer Engineering) from the Multi Disciplinary Programme will be listed under Joint Multi-Disciplinary Programme separately.⁵ Data include graduates from BTech (Industrial and Management Engineering).

Notes :

1) Data may not add up due to course classification (see footnotes 3, 4 and 6).

2) Data include both graduates of first degree, higher degree and graduate diploma programmes (where applicable), regardless of whether the student pursued the programme on a full-time or part-time basis.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Research Institute/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Mechanical	344	476	410	464	467	440	345	427	428	416	460
Manufacturing	5	1	1	1	*	*	*	*	*	*	*
Materials Science and Engineering	58	55	57	70	66	66	61	59	60	59	76
Faculty of Law	394	379	428	396	363	352	362	336	369	355	382
Joint Multi-Disciplinary Programmes	*	*	8	119	142	119	108	99	86	107	155
Yong Loo Lin School of Medicine	751	745	866	952	942	986	1,003	1,097	1,056	1,278	1,145
Yong Siew Toh Conservatory of Music	40	48	42	49	66	53	57	50	58	58	59
Faculty of Science ⁶	1,524	1,622	1,653	1,773	1,814	1,836	1,908	1,787	1,920	1,861	1,799
Applied Science	90	87	66	70	56	56	41	32	*	*	*
Science	988	953	984	1,081	1,022	969	1,039	1,004	1,121	1,048	954
Pharmacy	118	107	123	138	151	150	165	198	183	192	173
Yale-NUS College	*	*	*	*	*	*	*	120	149	175	183
Lee Kuan Yew School of Public Policy	191	253	250	263	218	199	204	223	202	229	257
NUS Graduate School for Integrative Sciences and Engineering	18	26	50	115	113	107	89	80	91	92	87
Singapore-MIT Alliance	49	43	21	24	10	22	3	*	*	*	*
Temasek Defence Systems Institute	25	29	28	35	22	23	24	27	22	19	18
The Logistics Institute-Asia Pacific	10	9	17	20	17	14	4	*	*	*	*
Saw Swee Hock School of Public Health	*	*	29	37	42	33	53	40	51	41	78

Source : National University of Singapore

* Refers to course yet to commence or produce graduates, or was not offered.

⁶ Data include graduates of higher degree programmes from Institute of Molecular and Cell Biology and Institute of Materials Research and Engineering. While the total for the Faculty of Science comprises graduates of first and higher degree programmes, the breakdown by discipline pertains to first degree graduates only.

Notes :

1) Data may not add up due to course classification (see footnotes 3, 4 and 6).

2) Data include both graduates of first degree, higher degree and graduate diploma programmes (where applicable), regardless of whether the student pursued the programme on a full-time or part-time basis.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Nanyang Technological University	7,882	8,138	8,255	8,821	8,467	8,073	8,434	8,960	8,801	8,759	8,652
Accountancy	624	505	514	538	527	528	481	543	466	485	505
Accountancy & Business	*	*	114	110	157	105	144	162	165	177	158
Art, Design & Media	143	140	152	166	148	171	174	184	164	163	162
Arts (Education)	215	255	399	322	324	239	237	152	165	95	79
Biomedical Sciences	72	73	73	32	55	21	32	32	25	23	25
Biological Sciences	197	229	294	331	291	268	282	266	271	244	241
Business	476	405	331	468	433	448	529	496	495	488	505
Business and Computing Engineering	*	*	*	*	*	6	3	5	4	2	3
Business and Computing	19	16	21	17	29	26	21	20	17	20	35
Chemistry and Biological Chemistry	235	323	283	290	202	219	203	281	252	222	214
Chinese	88	103	101	121	141	112	117	90	91	110	96
Communication Studies	177	174	170	162	158	172	188	176	188	216	181
Economics	91	127	82	160	152	129	119	131	111	141	110
Economics and Psychology	*	*	*	*	*	*	*	*	*	*	4
Economics and Public Policy & Global Affairs	*	*	*	*	*	*	*	*	*	*	6
Education	*	*	28	24	17	15	14	9	-	-	-
Environmental Earth Systems Science	*	*	*	*	*	*	*	*	24	35	30

Source : Nanyang Technological University

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Research Institute/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Engineering	2,679	2,672	2,566	2,762	2,684	2,469	2,552	2,564	2,543	2,580	2,468
Aerospace Engineering	59	142	88	93	78	69	84	99	121	117	122
Aerospace Engineering and Economics	*	*	*	2	4	4	1	2	1	7	9
Bioengineering	64	99	61	103	129	104	100	88	92	76	68
Chemical and Biomolecular Engineering	180	240	157	195	165	218	168	192	213	136	134
Chemical and Biomolecular Engineering and Economics	*	*	*	3	-	3	-	2	2	8	6
Civil Engineering	134	122	125	132	145	130	151	162	162	141	127
Civil Engineering and Economics	*	*	*	*	*	*	*	1	-	1	-
Computer Engineering	244	164	153	136	161	76	79	56	69	47	48
Computer Engineering and Economics	*	*	*	*	*	*	*	*	2	-	-
Computer Science	101	115	193	199	337	261	263	144	271	270	318
Computer Science and Economics	*	*	*	*	*	*	*	*	*	*	1
Electrical and Electronic Engineering	867	711	707	712	682	663	701	659	557	688	653
Electrical and Electronic Engineering and Economics	*	*	1	1	4	-	1	-	-	-	1
Environmental Engineering	92	96	91	118	66	57	44	48	49	36	52
Environmental Engineering and Economics	*	*	*	1	-	2	-	-	2	1	-
Information Engineering & Media	*	43	53	74	74	74	76	79	93	102	69
Information Engineering & Media and Economics	*	*	*	2	2	1	-	1	-	-	-
Maritime Studies	64	74	62	66	60	56	65	91	82	82	86
Materials Engineering	255	247	261	267	251	244	221	217	233	224	196
Materials Engineering and Economics	*	*	*	2	-	-	3	1	-	1	1
Mechanical Engineering	619	619	614	650	525	505	559	667	552	583	520
Mechanical Engineering and Economics	*	*	*	6	1	2	3	2	-	4	-
Renaissance Engineering	*	*	*	*	*	*	33	53	42	56	57

Source : Nanyang Technological University

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Research Institute/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
English	62	182	94	91	78	80	77	99	75	106	115
English Literature and Art History	*	*	*	*	*	*	*	*	*	*	7
History	*	*	*	*	*	1	61	75	56	52	62
Linguistics & Multilingual Studies	*	1	49	65	63	60	66	61	68	91	85
Mathematics & Economics	32	83	99	125	103	110	98	91	77	64	97
Mathematical Sciences	87	118	135	130	108	134	101	194	159	159	166
Medicine	*	*	*	*	*	*	*	*	52	76	90
Philosophy	*	*	*	*	*	*	*	1	38	33	41
Physics and Applied Physics	30	51	57	57	62	91	100	95	131	113	102
Psychology	85	91	77	124	75	114	101	176	124	129	131
Psychology and Linguistics & Multilingual Studies	*	*	*	*	*	*	*	*	*	*	4
Psychology and Media Analytics	*	*	*	*	*	*	*	*	*	*	5
Public Policy & Global Affairs	*	*	*	*	*	*	3	71	44	57	55
Science (Education)	114	151	215	243	142	125	106	42	54	40	48
Sociology	76	87	62	190	78	93	94	143	129	156	91
Sport Science & Management	*	*	*	34	52	63	77	88	75	74	71

Source : Nanyang Technological University

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Research Institute/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Master of Applied Science	1	-	1	1	-	-	-	-	-	-	-
Master of Arts	34	33	47	41	45	40	45	79	69	79	87
Master of Business	-	-	-	2	-	-	-	-	-	-	-
Master of Business Administration	268	271	260	187	207	194	166	219	196	195	152
Master of Communication Studies	3	8	3	4	4	6	4	1	6	6	1
Master of Engineering	85	57	42	47	39	52	57	47	36	24	48
Master of Management in Hospitality	28	21	25	20	-	-	-	-	-	-	-
Master of Mass Communication	42	35	48	38	51	56	67	58	43	38	46
Master of Public Administration	85	68	77	12	16	23	9	25	40	28	35
Master of Science	1,592	1,545	1,369	1,367	1,458	1,345	1,515	1,641	1,691	1,698	1,705
Master of Social Sciences	*	*	*	*	*	*	*	*	*	*	33
PhD	213	282	446	518	548	546	591	643	657	540	553
Graduate Diploma	29	32	21	22	20	12	-	-	-	-	-

Source : Nanyang Technological University

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
National Institute of Education	2,933	2,954	2,791	2,858	2,391	2,402	2,256	2,151	1,917	2,150	2,143
Doctor of Philosophy	15	20	22	29	23	27	26	24	33	29	23
Doctor in Education	*	*	*	2	1	2	4	8	9	10	13
Master of Arts	152	137	139	145	147	155	171	197	205	211	254
Master in Educational Administration	61	106	22	58	51	43	32	78	73	50	53
Master of Education	414	394	361	410	381	242	347	311	330	388	364
Master of Science	79	75	66	78	53	83	64	52	48	58	63
Master of Teaching	*	*	*	*	9	5	7	2	5	2	*
Postgraduate Diploma in Education	1,461	1,417	1,299	1,347	856	907	798	702	370	559	607
Diploma in Art Education	43	35	36	40	57	34	41	10	27	13	13
Diploma in Education	378	377	341	257	197	212	65	41	55	51	29
Diploma in Home Economics Education	16	25	18	18	21	20	24	8	3	*	*
Diploma in Music Education	11	13	10	6	35	12	12	10	4	6	10
Diploma in Physical Education	24	28	19	25	20	21	19	15	29	14	11
Diploma in School Counselling	*	*	*	*	*	*	*	*	*	16	24
Diploma in Special Education	96	120	90	78	113	95	75	95	182	182	130
Leaders in Education Programme	43	40	29	26	35	35	27	22	25	22	31
Management and Leadership in Schools	140	167	339	339	392	347	379	399	372	382	359
Teacher-Leaders Programme 1	*	*	*	*	*	141	131	128	125	127	130
Teacher-Leaders Programme 2	*	*	*	*	*	21	34	49	22	30	29

Source : National Institute of Education

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Singapore Management University	1,545	1,812	1,954	2,154	2,176	2,403	2,655	2,846	2,966	2,795	3,021
Bachelor of Accountancy	190	226	269	265	251	247	279	265	292	289	270
Bachelor of Business Management	578	668	655	678	647	681	704	724	725	746	738
Bachelor of Science (Economics)	171	199	197	211	205	186	248	237	234	234	229
Bachelor of Science (Information Systems)	154	187	240	240	260	265	254	235	267	266	266
Bachelor of Social Science	113	118	130	134	120	133	205	173	208	182	224
Bachelor of Laws	*	106	112	131	119	127	114	145	161	145	156
Doctor of Business Administration	*	*	*	*	*	*	*	*	1	9	9
Doctor of Innovation	*	*	*	*	*	*	*	*	1	2	1
Doctor of Philosophy in Information Systems	*	1	3	4	11	6	5	13	17	14	1
Doctor of Philosophy in Economics	*	*	1	2	2	3	3	3	11	6	12
Doctor of Philosophy in Business (Finance)	*	*	*	2	1	3	3	5	5	5	3
Doctor of Philosophy in Psychology	*	*	*	*	*	3	*	6	3	2	1
Doctor of Philosophy in Business (General Management)	*	*	*	*	*	1	5	10	7	10	3
Doctor of Philosophy in Business (Marketing)	*	*	*	*	*	*	*	*	2	2	*
Doctor of Philosophy in Business (Operations Management)	*	*	*	*	*	*	*	*	*	*	4
Doctor of Philosophy in Business (Organisational Behaviour and Human Resources)	*	*	*	*	*	*	*	3	*	3	2
Doctor of Philosophy in Business (Strategic Management and Organisation)	*	*	*	*	*	*	*	*	*	1	3
Doctor of Philosophy in Computer Science	*	*	*	*	*	*	*	*	*	*	11

Source : Singapore Management University

* Refers to course yet to commence or produce graduates, or was not offered.

Note :

Double degrees are counted once only, based on their primary degree.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Doctor of Philosophy in Business (Organisational Behaviour and Human Resources)	*	*	*	*	*	*	*	3	*	3	2
Doctor of Philosophy in Business (Strategic Management and Organisation)	*	*	*	*	*	*	*	*	*	1	3
Doctor of Philosophy in Computer Science	*	*	*	*	*	*	*	*	*	*	11
Master of Applied Information Systems	*	*	*	1	6	6	4	8	8	5	*
Master of Professional Accounting	33	25	31	18	14	33	20	62	64	71	60
Master of Philosophy in Business (Operations Management)	*	*	*	*	*	*	*	*	*	*	1
Master of Philosophy in Economics	*	*	*	*	*	*	*	*	*	2	3
Master of Philosophy in Psychology	*	*	*	*	*	*	*	*	*	5	2
Master of Science in Accounting	*	*	*	*	*	*	*	*	*	*	16
Master of Science in Computing	*	*	*	*	*	*	*	*	*	*	6
Master of Science in CFO Leadership	*	*	*	*	6	5	4	23	4	*	29
Master of Science in Applied Economics	18	16	20	28	23	24	19	17	*	21	*
Master of Science in Applied Finance	135	86	84	97	*	122	142	187	182	134	159
Master of Science in Economics	8	6	3	1	*	*	*	*	28	12	40
Master of Science in Finance	4	12	5	*	116	*	*	*	*	*	*
Master of Science in Financial Economics	*	*	*	*	28	43	40	33	38	22	30
Master of Science in Quantitative Finance	*	*	*	*	29	23	13	81	56	52	71
Master of Science in Wealth Management	36	36	50	44	37	35	44	47	45	34	31
Master of Science in Management	3	5	8	1	*	40	105	121	117	60	137
Master of Science in Communication Management	*	*	*	31	23	25	41	37	43	16	31
Master of Science in Innovation	*	*	*	43	28	33	37	41	*	20	24

Source : Singapore Management University

* Refers to course yet to commence or produce graduates, or was not offered.

Note :

Double degrees are counted once only, based on their primary degree.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Master of Business Administration	45	45	39	58	93	91	95	171	164	151	120
Master of Business (General Management)	*	*	*	*	*	*	1	*	*	*	*
Master in Business (Organisational Behaviour and Human Resources)	*	*	*	*	*	*	*	1	*	*	*
Master of Human Capital Leadership	*	*	*	*	*	*	*	*	24	25	31
Master of Information Technology in Business	26	25	32	59	49	112	137	101	183	160	162
Master of Science in Operations Management	4	9	6	*	*	*	*	*	*	*	*
Master of Science in Information Systems	*	2	1	4	2	1	*	2	*	*	*
Executive MBA	*	*	29	37	34	31	28	*	*	*	30
IE-SMU MBA	*	*	*	*	*	27	*	*	*	*	27
Juris Doctor	*	18	15	23	30	27	39	36	28	32	28
Master of Laws	*	*	*	*	*	*	*	*	*	*	24
Master of Laws in Commercial Law	*	*	*	4	14	14	*	*	3	3	*
Master of Laws in Dispute Desolution	*	*	*	4	*	*	*	*	*	*	*
Master of Laws in Islamic Law & Finance	*	*	*	4	4	5	*	*	*	*	*
Master of Laws in Cross-Border Business and Finance Law in Asia	*	*	*	*	*	*	11	13	*	15	*
Master of Laws in Judicial Studies	*	*	*	*	*	*	*	*	6	*	*
Master of Science in Psychology	*	*	*	*	*	*	*	1	*	*	*
Master of Tri-Sector Collaboration	*	*	*	*	*	23	28	18	14	16	*
Graduate Diploma in Healthcare Management and Leadership	27	22	24	25	21	20	26	25	25	23	26
Graduate Diploma in Public Relations	*	*	*	5	3	8	1	2	*	*	*

Source : Singapore Management University

* Refers to course yet to commence or produce graduates, or was not offered.

Note :

Double degrees are counted once only, based on their primary degree.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number					
	2015	2016	2017	2018	2019	2020
Singapore University of Technology and Design	298	308	316	386	488	373
Bachelor of Engineering (Engineering Product Development)	86	94	93	118	122	88
Bachelor of Engineering (Engineering Systems and Design)	88	45	63	41	101	108
Bachelor of Engineering (Information Systems Technology and Design)	48	45	49	93	127	126
Bachelor of Science (Architecture and Sustainable Design)	76	62	62	82	81	51
Master of Architecture	-	62	49	52	57	-

Source : Singapore University of Technology and Design

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

	Number					
Institution/Course	2015	2016	2017	2018	2019	2020
Singapore Institute of Technology	1,374	1,285	1,494	1,757	1,806	2,215
<u>Engineering Cluster</u>	468	515	484	580	515	693
Bachelor of Engineering in Civil Engineering	*	*	*	*	*	48
Bachelor of Engineering in Electrical Power Engineering	*	*	*	*	27	54
Bachelor of Engineering in Marine Engineering	*	*	*	*	11	24
Bachelor of Engineering in Mechanical Design and Manufacturing Engineering	*	*	*	*	15	67
Bachelor of Engineering in Naval Architecture	*	*	*	*	6	14
Bachelor of Engineering in Offshore Engineering	*	*	*	*	8	13
Bachelor of Engineering in Sustainable Infrastructure Engineering (Building Services)	*	*	*	*	63	59
Bachelor of Engineering in Sustainable Infrastructure Engineering (Land)	*	*	*	67	36	42
Bachelor of Engineering in Systems Engineering (ElectroMechanical Systems)	*	*	*	*	22	48
Bachelor of Engineering with Honours in Aeronautical Engineering	56	67	44	61	56	44
Bachelor of Engineering with Honours in Aerospace Systems	37	54	54	48	38	30
Bachelor of Engineering with Honours in Electrical Power Engineering	61	62	73	68	*	*
Bachelor of Engineering with Honours in Marine Engineering	28	23	31	42	*	*
Bachelor of Engineering with Honours in Mechanical Design and Manufacturing Engineering	53	70	72	74	*	*
Bachelor of Engineering with Honours in Mechanical Design Engineering	51	69	68	62	80	79
Bachelor of Engineering with Honours in Mechatronics	87	92	84	74	79	83
Bachelor of Engineering with Honours in Naval Architecture	35	26	29	18	*	*
Bachelor of Engineering with Honours in Offshore Engineering	22	23	16	15	*	*
Bachelor of Science in Electrical Engineering & Information Technology	38	29	13	38	29	45
Master of Engineering Technology in Electrical and Electronic Engineering	*	*	*	*	1	*
Master of Engineering Technology in Sustainable Infrastructure Engineering (Building Services)	*	*	*	*	17	26
Master of Engineering Technology in Sustainable Infrastructure Engineering (Land)	*	*	*	13	27	11
Master of Science in Electrical and Electronic Engineering	*	*	*	*	*	6

Source : Singapore Institute of Technology

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number					
	2015	2016	2017	2018	2019	2020
<u>Information Communication Technology Cluster</u>	138	142	168	280	304	430
Bachelor of Arts in Game Design	9	34	12	20	14	33
Bachelor of Engineering in Information & Communications Technology majoring in Information Security	*	*	*	10	50	63
Bachelor of Engineering in Information & Communications Technology majoring in Software Engineering	*	*	*	55	52	58
Bachelor of Engineering in Telematics (Intelligent Transportation Systems Engineering)	*	*	*	*	41	61
Bachelor of Fine Arts in Digital Art & Animation	36	17	32	40	27	42
Bachelor of Science in Computer Science and Game Design	15	17	15	28	16	53
Bachelor of Science in Computer Science in Real-Time Interactive Simulation	25	21	33	46	25	47
Bachelor of Science with Honours in Computing Science	53	53	76	81	79	73
<u>Chemical Engineering & Food Technology Cluster</u>	171	174	204	195	252	247
Bachelor of Engineering in Chemical Engineering	*	*	*	*	52	53
Bachelor of Engineering in Pharmaceutical Engineering	*	*	*	*	77	85
Bachelor of Engineering with Honours in Chemical Engineering	87	83	84	76	*	*
Bachelor of Food Technology with Honours	*	*	*	*	49	48
Bachelor of Science in Chemical Engineering	36	40	67	60	74	61
Bachelor of Science with Honours in Food and Human Nutrition	48	51	53	59	*	*

Source : Singapore Institute of Technology

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number					
	2015	2016	2017	2018	2019	2020
<u>Design & Specialised Businesses Cluster</u>	371	232	356	412	425	431
Bachelor of Accountancy	*	15	119	106	136	143
Bachelor of Arts with Honours in Communication Design	67	71	68	65	68	51
Bachelor of Arts with Honours in Interior Design	44	46	47	47	37	36
Bachelor of Business Administration in Food Business Management	*	*	*	40	21	20
Bachelor of Business Administration in Food Business Management (Baking and Pastry Arts)	*	*	*	*	*	9
Bachelor of Business Administration in Food Business Management (Culinary Arts)	*	*	*	*	*	33
Bachelor of Hospitality Business	*	*	19	90	163	139
Bachelor of Professional Studies in Culinary Arts Management	37	37	37	*	*	*
Bachelor of Science (Major in Hospitality Management)	186	*	*	*	*	*
Bachelor of Science in Early Childhood Education	37	63	66	64	*	*
<u>Health & Social Sciences Cluster</u>	226	222	282	290	310	414
Bachelor in Science (Diagnostic Radiography)	27	20	25	27	28	*
Bachelor in Science (Occupational Therapy)	27	30	40	40	38	11
Bachelor in Science (Physiotherapy)	75	57	74	79	75	35
Bachelor in Science (Radiation Therapy)	7	4	*	9	8	*
Bachelor of Arts with Honours in Criminology and Security	*	38	72	83	97	97
Bachelor of Science in Diagnostic Radiography	*	*	*	*	*	52
Bachelor of Science in Nursing	*	*	*	52	64	61
Bachelor of Science in Occupational Therapy	*	*	*	*	*	52
Bachelor of Science in Physiotherapy	*	*	*	*	*	94
Bachelor of Science in Radiation Therapy	*	*	*	*	*	12
Bachelor of Science with Honours in Nursing Practice	90	73	71	*	*	*

* Refers to course yet to commence or produce graduates, or was not offered.

Source : Singapore Institute of Technology

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Course/Level	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Singapore University of Social Sciences											
By Course	1,463	1,705	1,867	2,028	2,197	2,301	2,214	2,189	2,331	2,359	2,541
Accountancy	*	*	*	*	18	25	26	34	138	155	171
Adult Learning	*	*	*	*	*	*	*	*	*	3	8
Aerospace	*	*	23	28	50	52	56	37	45	44	33
Applied Linguistics	*	*	*	*	*	*	*	6	10	8	6
Biomedical Engineering	36	43	23	36	30	31	35	54	44	31	41
Building and Project Management	*	*	*	*	1	31	50	62	79	92	72
Business	258	262	264	241	223	230	209	228	197	175	155
Business Administration	*	*	*	*	*	*	*	5	8	2	15
Business Analytics	*	36	40	44	52	43	35	20	19	23	24
Chinese Language	*	33	83	87	72	84	65	40	46	53	40
Communication Studies	35	49	48	63	72	63	73	80	94	76	89
Community Leadership & Social Development	*	*	*	*	22	20	26	19	11	9	1
Computer Science/IT	196	201	123	138	113	107	87	95	80	70	73
Counselling	37	78	80	94	80	84	85	60	56	69	77
Digital Media	*	*	*	*	*	*	*	*	*	*	16

Source : Singapore University of Social Sciences

* Refers to course yet to commence or produce graduates, or was not offered.

Note :

Data include programmes of all levels from Bachelor to PostGraduate.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Course/Level	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Early Childhood Education	*	*	*	12	61	107	103	96	116	120	147
Education	*	*	*	*	*	*	*	7	37	44	59
Electronics	131	106	137	98	65	63	66	64	51	40	35
English	217	167	159	144	154	137	132	107	94	75	62
Engineering	*	*	*	*	*	*	*	*	*	1	1
Environmental Science	8	6	12	*	*	*	*	*	*	*	*
Expressive Arts Therapy	*	*	*	*	*	*	*	*	*	*	10
Facilities and Events Management	*	*	*	14	62	117	82	87	69	83	75
Finance	102	96	106	126	89	86	78	81	96	129	93
General Studies	*	4	7	10	14	11	19	22	23	26	25
Gerontology	*	*	3	17	37	29	29	28	35	27	47
Human Capital Management	*	*	*	15	11	10	20	10	11	12	6
Human Factors	*	*	13	17	32	40	35	46	52	45	47
Human Resource Management	*	9	59	76	85	68	66	67	77	102	140
Intellectual Property & Innovation Management	*	*	*	*	*	*	*	*	*	14	20
Law	*	*	*	*	*	*	*	*	*	*	11
Leadership & Social Development	*	*	*	*	*	*	*	*	*	*	15

Source : Singapore University of Social Sciences

* Refers to course yet to commence or produce graduates, or was not offered.

Note :

Data include programmes of all levels from Bachelor to PostGraduate.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Course/Level	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Logistics & Supply Chain	*	*	25	70	109	148	117	81	84	100	115
Malay Language	*	*	21	60	40	34	39	28	10	13	29
Marketing	58	80	101	88	95	104	85	86	113	120	143
Mathematics	89	83	57	70	88	46	28	51	30	27	30
Multimedia Technology & Design	35	49	50	58	56	58	37	68	38	36	17
Non-Profit Management	*	*	*	*	*	*	*	1	9	2	7
Open Source Management	3	*	*	*	*	*	*	*	*	*	*
Professional Life Coaching	*	*	*	*	*	*	*	*	*	6	3
Psychology	172	114	113	129	137	147	126	123	138	125	126
Securities Studies	*	44	40	36	47	56	75	55	49	39	50
Social Science	*	*	*	*	*	*	*	*	*	2	*
Social Work	38	111	133	136	178	153	205	208	242	242	314
Sociology	*	19	27	25	32	33	47	42	50	44	41
Tamil Language	46	40	29	26	19	28	26	23	24	15	16
Taxation	2	10	8	6	5	8	9	10	7	4	1
Technology Entrepreneurship	-	12	*	*	*	*	*	*	*	*	*
Translation & Interpretation	*	51	53	42	25	29	26	31	17	16	14
Urban Transport Management	*	*	18	7	7	-	-	7	3	10	6
Visual Communication	*	2	12	15	16	19	17	20	29	30	15
By Level	1,463	1,705	1,867	2,028	2,197	2,301	2,214	2,189	2,331	2,359	2,541
Graduate Diploma, Master & PhD	28	73	116	135	205	165	232	179	206	226	308
Bachelor	1,435	1,632	1,751	1,893	1,992	2,136	1,982	2,010	2,125	2,133	2,233

Source : Singapore University of Social Sciences

* Refers to course yet to commence or produce graduates, or was not offered.

Note :

Data include programmes of all levels from Bachelor to PostGraduate.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Singapore Institute of Management	6,910	7,109	6,932	7,247	8,838	8,835	8,420	8,220	8,081	7,560	7,694
Accountancy	781	908	874	1,108	1,277	1,443	1,430	1,498	1,355	1,277	1,294
Administration and Management	3,037	2,896	2,753	3,126	3,970	3,754	3,863	3,566	3,710	3,199	3,090
Banking, Insurance and Financial Services	692	744	663	819	826	686	467	476	425	364	442
Behavioural Science	44	118	160	216	227	345	325	397	318	359	323
Building Science and Management	154	129	66	47	85	71	64	49	64	63	33
Business and Administration Not Elsewhere Classified	*	*	*	*	*	*	23	20	26	28	23
Economics	834	843	872	707	926	787	718	664	572	540	491
Hospitality Services	*	*	58	*	*	*	*	*	*	*	*
Humanities and Social Sciences Not Elsewhere Classified	*	*	*	*	*	197	197	238	268	311	387
Information Technology	346	418	384	309	220	376	316	270	299	386	564
Language and Cultural Studies	309	218	267	171	132	188	*	*	*	*	*
Mass Communication	239	246	510	252	198	131	165	208	222	170	176
Mathematics and Statistics	*	*	*	46	59	37	28	34	36	33	29
Media Design/ Production ¹	48	60	82	50	62	45	49	52	46	43	49
Nursing and Health Care	88	94	111	120	80	88	80	72	116	167	139
Sales and Marketing	338	435	132	276	776	687	695	628	542	554	583
Sports and Recreation Services	*	*	*	*	*	*	*	23	47	36	34
Transport Services	*	*	*	*	*	*	*	25	35	30	37

Source : Singapore Institute of Management

* Refers to course yet to commence or produce graduates, or was not offered.

¹ Prior to 2019, data were classified as Design & Applied Arts.

Notes :

1) Data include programmes of all levels from Certificate to Doctoral.

2) Data pertain to graduates from SIM Global Education.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Level	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Singapore Institute of Management	6,910	7,109	6,932	7,247	8,838	8,835	8,420	8,220	8,081	7,560	7,694
Doctoral	1	-	*	*	*	*	*	*	*	*	*
Masters	77	103	73	49	104	146	112	149	193	161	182
Bachelor	5,201	5,447	5,055	5,607	7,144	6,973	6,811	6,496	5,975	5,838	5,669
Graduate Diploma	9	7	10	27	24	33	46	43	59	53	47
Graduate Certificate	*	*	*	*	*	1	4	4	1	*	3
Diploma	1,183	1,167	1,311	1,153	1,223	1,281	1,140	1,157	1,255	876	1,050
Certificate	439	385	483	411	343	401	289	371	598	632	743
Professional Short Courses	*	*	*	*	*	*	18	*	*	*	*

Source : Singapore Institute of Management

* Refers to course yet to commence or produce graduates, or was not offered.

Note :

Data pertain to graduates from SIM Global Education.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Singapore Polytechnic	5,397	6,024	5,900	5,899	5,363	5,192	5,081	4,926	4,380	4,389	4,619
Accountancy/ Banking and Financial Services	316	463	464	432	439	451	443	439	396	429	433
Architecture and Building ¹	375	439	452	464	469	479	471	454	368	399	414
Biotechnology/ Life Science	208	240	260	272	182	173	173	165	149	133	122
Business	504	643	656	688	658	685	662	640	535	567	545
Chemical Process Technology	401	465	466	451	445	405	456	438	366	352	389
Computer Studies	660	673	585	663	567	593	557	584	503	516	603
Humanities	66	142	203	202	178	99	100	97	81	75	94
Engineering ²	2,564	2,607	2,450	2,369	2,114	1,997	1,935	1,818	1,755	1,647	1,762
Aeronautical Engineering	227	218	206	225	244	240	232	233	241	236	217
Aerospace Electronics	163	142	149	158	153	171	147	152	160	138	136
Bioelectronics	29	40	28	1	*	*	*	*	*	*	*
Bioengineering	43	32	43	43	49	59	50	50	48	50	55
Civil and Structural Engineering/ Civil Engineering & Management/ Civil Engineering with Business	134	131	124	115	119	114	129	103	127	113	160
Clean Energy	*	108	106	94	89	87	74	7	2	*	*
Computer and Network Technology/ Computer Engineering	199	162	167	168	162	135	177	196	142	158	183

Source : Singapore Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

¹ Data include graduates from Quantity Surveying, Facilities and Events Management.² Data for specific fields of studies refer to diploma graduates only (includes full-time & part-time from SP but excludes graduates from PACE).

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Electrical Engineering	-	1	*	*	*	*	*	*	*	*	*
Electrical & Electronic Engineering	429	423	471	486	493	482	473	393	398	352	381
Electronics, Computer and Communication Engineering/ Electronics & Communication Engineering	253	128	24	2	1	*	*	*	*	*	*
Engineering with Business	*	*	72	72	89	80	74	74	76	71	80
Engineering Systems	*	*	*	*	*	*	30	25	36	29	42
Energy Systems and Management	*	*	*	*	*	*	*	70	83	57	57
Environmental Management & Water Technology	41	41	40	37	48	48	40	38	*	*	*
Experience & Product Design	35	41	38	34	29	43	36	31	32	36	43
Info-communication Engineering & Design/ Information Communication Technology	139	151	104	116	90	81	9	3	*	*	*
Marine Engineering	131	123	117	112	114	103	110	103	73	108	100
Mechanical Engineering	314	267	268	295	322	272	272	259	254	222	230
Mechatronics/ Mechatronics and Robotics	116	119	90	100	81	81	82	81	83	77	78
Resort Facilities Services & Management	*	62	72	1	*	*	*	*	*	*	*
Nautical Studies/ Maritime Transportation/ Maritime Business	217	254	275	276	243	229	214	220	159	193	196
Optometry/ Contact Lens Practice	86	98	89	82	68	81	70	71	68	78	61

Source : Singapore Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Ngee Ann Polytechnic	4,534	4,857	4,955	4,983	5,170	5,182	5,259	4,886	4,688	4,484	4,583
Accountancy	286	338	337	347	357	382	380	346	302	264	274
Advertising & Public Relations	*	*	37	32	39	36	37	39	31	36	41
Animation & 3D Arts	*	*	*	*	23	30	39	30	32	29	30
Arts Business Management	*	*	*	44	45	46	49	42	41	35	34
Banking and Financial Services	117	147	132	136	141	139	125	141	121	80	97
Biomedical Lab Technology	25	20	11	16	19	*	*	*	*	*	*
Biomedical Science	80	84	95	76	84	100	104	101	93	88	70
Biotechnology	1	*	*	*	*	*	*	*	*	*	*
Business Information Technology	102	87	84	94	114	120	133	112	92	75	6
Business & Social Enterprise	*	42	41	43	44	52	49	48	42	39	38
Business Studies	395	420	378	368	405	402	391	396	329	252	275
Civil & Environmental Engineering	38	36	55	4	*	*	*	*	*	*	*
Child Psychology & Early Education	*	*	80	73	78	88	87	92	90	212	263
Chinese Media & Communication	*	*	48	45	45	51	51	40	41	47	42
Chinese Studies	68	82	40	33	41	36	35	37	39	49	56
Digital Visual Effects ¹	25	28	25	23	26	23	21	*	*	*	*
Early Childhood Education	174	183	116	123	121	136	137	135	127	192	225
Engineering	1,710	1,737	1,669	1,737	1,775	1,765	1,767	1,633	1,582	1,469	1,412
Aerospace Electronics	72	70	71	92	83	99	104	109	88	99	80
Aerospace Technology	107	115	130	130	138	153	160	165	165	140	159
Audio-Visual Technology	36	46	44	43	49	55	46	57	51	51	47
Automation & Mechatronic Systems	*	*	*	*	87	104	106	112	106	103	93

Source : Ngee Ann Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

¹ Digital Visual Effects was renamed Visual Effects in 2016.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Biomedical	72	85	87	81	85	90	97	104	100	76	71
Business Process & Quality Engineering	60	60	*	*	*	*	*	*	*	*	*
Chemical and Biomolecular Engineering	111	110	109	115	112	104	118	100	117	98	89
Clean Energy Management	*	*	40	38	34	38	42	31	41	35	36
Electrical	229	244	242	235	258	225	231	192	181	166	189
Electronic	416	356	355	370	357	358	311	235	211	217	203
Engineering Informatics	61	75	6	1	*	*	*	*	*	*	*
Engineering Science	*	*	*	*	39	40	44	46	56	58	62
Environmental & Water Technology	38	47	37	42	38	44	39	33	38	35	38
Marine and Offshore Technology	93	114	118	140	143	138	154	148	138	116	81
Mechanical	168	192	190	214	237	204	217	205	200	192	179
Mechatronic	104	94	106	115	24	2	*	*	*	*	*
Network Systems and Security	75	65	77	66	54	66	59	51	51	48	41
Product Design and Innovation	65	64	57	55	37	45	39	45	39	35	44
Quality Management and Engineering	3	*	*	*	*	*	*	*	*	*	*
Facilities Management for Business	73	78	6	1	*	*	*	*	*	*	*
Film, Sound and Video	55	59	58	51	50	58	55	54	68	74	55
Financial Informatics	*	59	82	75	74	95	118	92	86	55	97
Health Sciences (Nursing)	357	422	467	435	429	383	387	331	445	489	510
Horticulture and Landscape Management	65	57	65	55	6	*	*	*	*	*	*
Hotel & Leisure Facilities Management	*	*	*	*	87	104	97	96	95	80	74

Source : Ngee Ann Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution//Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Information Technology	191	98	84	150	153	162	157	155	119	106	136
Information Security & Forensics	*	*	*	*	*	*	*	*	38	46	56
International Business	*	*	41	44	47	45	46	43	47	43	38
International Supply Chain Management ²	*	42	78	92	95	1	*	*	*	*	*
International Logistics & Supply Chain Management ²	*	*	*	*	*	143	173	134	119	85	97
Landscape Design & Horticulture	*	*	*	*	46	46	78	71	41	33	35
Leisure & Business Facilities Management	*	*	79	91	3	*	*	*	*	*	*
Logistics Management	117	76	79	80	98	*	*	*	*	*	*
Mass Communication	169	176	176	166	171	177	182	175	151	149	150
Mobile Business Solutions	67	89	67	8	*	*	*	*	*	*	*
Molecular Biotechnology	89	89	91	63	56	65	64	60	46	45	34
Multimedia and Animation	73	72	67	78	46	48	45	37	43	36	29
Optometry	*	*	36	32	43	42	41	36	41	44	32
Pharmacy Science	33	44	52	38	44	45	50	41	42	33	28
Psychology and Community Services ³	38	81	75	79	80	*	*	*	*	*	*
Psychology Studies ³	*	*	*	*	*	80	76	73	70	55	57
Real Estate Business	102	117	112	90	91	88	80	85	81	66	72
Sustainable Urban Design & Engineering	*	*	*	31	46	38	47	38	33	45	55
Tamil Studies with Early Education	*	*	*	*	*	*	*	*	*	*	27
Tourism and Resort Management	84	94	92	92	106	108	111	108	93	73	79
Veterinary Bioscience	*	*	*	38	42	48	47	40	42	36	34
Visual Effects ¹	*	*	*	*	*	*	*	25	26	24	25

Source : Ngee Ann Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

¹ Digital Visual Effects was renamed Visual Effects in 2016.² International Supply Chain Management was renamed International Logistics & Supply Chain Management in 2012.³ Psychology and Community Services was renamed Psychology Studies in 2012.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Temasek Polytechnic	5,020	5,133	4,886	5,116	5,119	5,064	5,012	4,556	4,304	4,610	4,543
3D Interactive Media Technology ¹	*	*	*	32	48	49	45	39	40	52	25
Accounting & Finance	159	150	155	165	150	169	171	147	145	146	147
Aerospace Electronics	*	81	86	124	142	139	129	137	128	116	107
Aerospace Engineering	*	82	85	137	148	146	136	133	134	122	126
Apparel Design & Merchandising	68	45	61	74	68	66	63	55	46	61	66
Applied Food Science & Nutrition	93	100	103	121	114	110	113	97	75	66	77
Aviation Management & Services	86	102	115	138	161	167	160	160	158	151	125
Baking & Culinary Science	41	49	40	43	49	39	45	37	35	37	47
Big Data Management & Governance	*	*	*	*	*	*	*	36	42	24	25
Biomedical Engineering ²	*	*	*	*	*	70	86	78	85	123	126
Biomedical Informatics & Engineering	62	67	65	82	81	9	2	*	*	*	*
Biomedical Science	119	66	54	53	48	43	50	47	50	46	53
Biotechnology	104	95	94	94	94	86	88	92	86	72	70
Business	340	356	317	330	337	336	339	290	266	279	287
Business Information Technology	114	116	139	136	134	145	137	121	111	126	73
Business Intelligence & Analytics	*	*	*	*	40	45	46	43	40	51	49
Business Process & Systems Engineering	158	173	157	153	148	159	164	152	147	133	149

Source : Temasek Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

¹ Before AY2011, the course was named "Interactive Media Technology".² Before AY2013, the course was named "Biomedical Informatics & Engineering".

Note :

Year refers to Academic Year. E.g. for AY2020, graduates refer to those who completed their courses in October 2020 and April 2021.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Chemical Engineering	121	139	135	135	134	142	152	146	128	142	141
Clean Energy	*	50	53	88	86	83	86	59	54	100	53
Communication Design ³	*	*	*	*	*	*	106	101	101	121	112
Communications & Media Management	91	84	77	74	90	85	90	81	79	85	88
Computer Engineering	80	76	74	57	56	68	56	66	49	114	136
Consumer Science & Technology	17	22	20	19	23	8	4	*	*	*	*
Culinary & Catering Management	53	60	57	57	59	53	56	51	44	48	56
Cyber & Digital Security	61	61	64	61	49	58	51	48	47	48	1
Cybersecurity & Digital Forensics ⁴	*	*	*	*	*	*	*	*	*	*	123
Digital Film & Television ⁵	*	*	*	*	*	66	78	72	71	72	73
Digital Forensics	*	*	*	46	53	42	47	49	49	47	*
Early Childhood Studies	*	*	66	61	68	83	93	116	151	198	205
Electronics	267	187	196	211	192	174	171	146	116	155	161
Environment Design	32	39	46	45	33	43	37	42	43	36	34
Financial Business Informatics	98	99	88	86	112	89	80	57	47	68	78
Game & Entertainment Technology	68	71	83	77	50	81	*	*	*	*	*
Game Design & Development ⁶	*	*	*	*	*	*	64	48	60	86	94
Gerontological Management Studies	*	45	64	60	61	66	67	51	50	47	49
Green Building & Sustainability ⁷	*	*	86	145	146	123	110	111	79	92	78

Source : Temasek Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

³ From AY2014, "Interactive Media Design" and "Visual Communication" merged into "Communication Design".⁴ Before AY2018, the course was named "Cyber & Digital Security".⁵ Before AY2013, the course was named "Moving Images".⁶ Before AY2014, the course was named "Game & Entertainment Technology".⁷ Before AY2010, the course was named "Intelligent Building Technology".

Note :

Year refers to Academic Year. E.g. for AY2020, graduates refer to those who completed their courses in October 2020 and April 2021.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hospitality & Tourism Business	134	117	*	*	*	*	*	*	*	*	*
Hospitality & Tourism Management	283	283	253	227	240	224	237	201	191	190	175
Info-Communications	152	150	93	33	2	*	*	*	*	*	*
Infocomm & Network Engineering ⁸	*	*	*	83	131	129	101	77	46	7	*
Information Technology (3-year programme)	166	158	130	96	68	87	89	73	71	120	136
Integrated Facility Design & Management	95	83	1	*	*	*	*	*	*	*	*
Integrated Facility Management ⁹	*	*	103	113	132	134	137	109	95	96	89
Intelligent Building Technology	150	121	37	*	*	*	*	*	*	*	*
Interactive Media Design ³	42	42	53	50	49	51	2	*	*	*	*
Interactive Media Informatics	86	93	98	86	63	*	*	*	*	*	*
Interactive Media Technology	37	42	36	5	*	*	*	*	*	*	*
Interior Architecture & Design ¹⁰	40	43	56	53	63	61	72	55	50	87	101
Internet & Multimedia Development ¹¹	2	1	*	*	*	*	*	*	*	*	*
Law & Management	95	114	132	122	126	126	120	124	96	93	91
Leisure & Events Management ¹²	*	*	*	*	*	*	*	142	138	159	154
Leisure & Resort Management	183	193	188	167	168	165	161	11	*	*	*
Logistics & Operations Management	102	108	124	117	99	116	106	102	101	65	98

Source : Temasek Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

³ From AY2014, "Interactive Media Design" and "Visual Communication" merged into "Communication Design".

⁸ Before AY2011, the course was named "Info-Communications".

⁹ Before AY2010, the course was named "Integrated Facility Design & Management".

¹⁰ From 2017, "Interior Architecture & Design" and "Retail & Hospitality Design" merged into "Interior Architecture & Design".

¹¹ In AY2008, the course was renamed as "Interactive Media Informatics".

¹² Before 2015, the course was named "Leisure & Resort Management".

Note :

Year refers to Academic Year. E.g. for AY2020, graduates refer to those who completed their courses in October 2020 and April 2021.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Marketing	105	118	117	93	115	85	100	82	96	94	98
Mechatronics	402	260	181	271	251	239	238	219	213	246	236
Media & Communication Technology	134	109	92	57	28	33	46	27	2	1	*
Microelectronics	66	46	34	14	18	18	16	16	32	44	4
Mobile & Network Services ¹³	*	*	56	65	56	53	71	43	48	24	*
Mobile & Wireless Computing	84	125	23	1	*	*	*	*	*	*	*
Moving Images	67	68	57	57	61	10	*	*	*	*	*
Pharmaceutical Science	*	62	72	105	103	107	98	93	93	94	97
Product & Industrial Design	37	30	37	39	27	47	44	40	44	41	46
Psychology Studies	55	78	63	65	68	68	70	57	63	65	59
Retail & Hospitality Design ¹⁰	36	27	32	35	43	43	43	43	41	3	*
Retail Management	111	96	95	106	90	92	86	88	72	74	75
Veterinary Technology	38	57	46	47	43	46	47	45	56	43	50
Visual Communication ³	86	94	97	105	101	88	6	1	*	*	*

Source : Temasek Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

³ From AY2014, "Interactive Media Design" and "Visual Communication" merged into "Communication Design".¹⁰ From 2017, "Interior Architecture & Design" and "Retail & Hospitality Design" merged into "Interior Architecture & Design".¹³ Before AY2010, the course was named "Mobile & Wireless Computing".

Note :

Year refers to Academic Year. E.g. for AY2020, graduates refer to those who completed their courses in October 2020 and April 2021.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Nanyang Polytechnic	5,451	5,834	6,071	6,042	6,171	5,645	6,251	6,228	5,753	5,693	5,836
Diploma (Conversion) in Paramedicine	*	*	*	*	*	*	*	10	15	16	12
Diploma in Accountancy & Finance	110	147	114	143	151	153	145	150	145	141	142
Diploma in Aeronautical & Aerospace Technology	*	*	46	49	48	42	112	112	130	121	124
Diploma in Aerospace Systems & Management	*	*	44	38	44	37	63	59	69	80	82
Diploma in Animation	*	*	*	*	*	*	*	71	73	84	78
Diploma in Architecture	*	*	*	*	*	*	*	*	*	*	47
Diploma in Banking & Financial Services	94	175	101	106	122	142	138	124	4	1	*
Diploma in Banking and Finance	*	*	*	*	*	*	*	*	102	119	109
Diploma in Biologics & Process Technology	*	*	36	51	50	40	48	47	43	36	39
Diploma in Biomedical Engineering	65	56	67	61	51	50	67	91	102	96	102
Diploma in Business & Administration	*	*	38	*	*	*	*	*	*	*	*
Diploma in Business & Management Studies	*	*	*	*	27	16	23	13	16	16	*
Diploma in Business Enterprise IT	86	79	60	68	57	56	54	60	54	41	35
Diploma in Business Informatics	173	190	157	148	153	143	135	132	90	78	84
Diploma in Business Intelligence & Analytics	*	*	*	*	*	48	53	57	45	37	29
Diploma in Business Management	356	447	356	363	372	368	433	395	308	318	314
Diploma in Business Practice (Accounting)	*	*	*	*	*	20	27	28	27	17	22
Diploma in Business Practice (Customer Relationship and Service Management)	*	*	*	*	*	66	35	43	36	32	16
Diploma in Business Practice (Hospitality & Tourism Management)	*	*	*	*	*	*	*	*	*	13	9
Diploma in Business Practice (Supply Chain Management)	*	*	*	*	*	19	11	21	25	22	14
Diploma in Chemical & Green Technology	*	*	37	51	45	44	44	47	39	38	36
Diploma in Chemical and Pharmaceutical Technology	120	117	119	118	122	120	138	130	100	90	96
Diploma in Correctional Administration	*	*	*	*	*	20	*	*	*	*	*
Diploma in Correctional & Management Studies	*	*	*	*	*	*	*	29	*	*	19
Diploma in Cyber Security and Forensics	*	*	*	*	*	*	*	*	57	55	54

Source : Nanyang Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Diploma in Dental Hygiene & Therapy	20	24	22	19	22	17	23	24	23	22	1
Diploma in Diagnostic Radiography	38	42	73	68	64	36	38	40	61	1	*
Diploma in Digital & Precision Engineering	*	101	126	133	112	133	127	110	113	63	96
Diploma in Digital Entertainment Technology	90	106	21	2	*	*	*	*	*	*	*
Diploma in Digital Entertainment Technology (Games)	*	*	64	57	50	66	69	5	2	*	*
Diploma in Digital Game Art & Design	*	*	*	*	*	*	*	62	65	59	71
Diploma in Digital Media Design	141	161	44	6	1	*	*	*	*	*	*
Diploma in Digital Media Design (Animation)	*	*	74	79	79	76	86	9	1	*	*
Diploma in Digital Media Design (Games)	*	*	43	65	58	59	76	8	*	*	*
Diploma in Digital Media Design (Interaction Design)	*	*	40	66	67	60	67	6	*	*	*
Diploma in Digital Visual Effects	*	*	28	37	37	29	35	42	37	34	40
Diploma in Electrical Engineering With Eco-Design	*	*	*	45	38	40	74	94	85	92	101
Diploma in Electronic Systems	*	*	*	*	*	*	*	*	*	*	134
Diploma in Electronics, Computer and Communications Engineering	559	581	550	574	525	373	357	270	177	187	73
Diploma in Engineering (Aerospace Manufacturing)	*	*	*	*	18	16	20	20	19	18	13
Diploma in Engineering (Mechatronics)	*	*	*	*	*	*	8	19	18	18	17
Diploma in Engineering Informatics	258	236	203	209	198	166	131	131	98	13	1
Diploma in Engineering with Business	*	*	*	*	*	*	*	94	122	89	100
Diploma in Financial Informatics	*	*	59	55	61	68	67	55	53	56	54
Diploma in Financial Services	1	*	*	*	*	*	*	*	*	*	*
Diploma in Food & Beverage Business	*	*	*	*	41	41	52	63	55	55	60
Diploma in Food Science & Nutrition	*	*	*	71	96	75	92	70	62	55	45
Diploma in Food Science	52	68	78	6	1	*	*	*	*	*	*
Diploma in Fund Management & Administration	*	*	87	58	55	57	63	64	51	51	44
Diploma in Game Development & Technology	*	*	*	*	*	*	*	49	62	67	64
Diploma in Health Sciences (Paramedicine)	*	*	*	*	*	*	*	*	*	*	20
Diploma in Hospitality & Resort Management	89	112	119	1	*	*	*	*	*	*	*
Diploma in Hospitality & Tourism Management	*	*	*	161	165	158	164	168	112	108	121

Source : Nanyang Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Diploma in Industrial Design	42	51	52	55	52	58	58	47	38	40	44
Diploma in Infocomm & Design Media (IT Network And System Administration)	*	*	*	*	19	36	40	26	15	22	25
Diploma in Infocomm and Security	*	*	*	*	*	*	*	*	*	85	105
Diploma in Information Security	*	*	54	61	51	54	58	64	2	1	*
Diploma in Information Technology	212	220	153	167	147	128	120	122	108	126	109
Diploma in Interaction Design	*	*	*	*	*	*	*	48	60	60	70
Diploma in Manufacturing Engineering	250	187	164	171	187	122	120	21	*	1	*
Diploma in Marketing	110	108	112	99	92	82	71	80	75	62	60
Diploma in Mass Media Management	*	*	*	*	53	51	54	61	52	52	55
Diploma in Mechatronics Engineering	226	232	174	177	192	158	169	184	230	165	158
Diploma in Media Studies and Management	52	57	54	58	1	*	*	*	*	*	*
Diploma in Medicinal Chemistry	*	*	*	*	50	56	52	54	48	42	43
Diploma in Molecular Biotechnology	111	122	102	93	84	72	66	73	64	59	52
Diploma in Motion Graphics & Broadcast Design	27	33	32	43	31	33	30	33	28	42	45
Diploma in Multimedia & Infocomm Technology	303	312	211	214	215	170	205	228	171	165	192
Diploma in Nanotechnology & Materials Science	*	*	44	49	41	40	40	54	61	57	54
Diploma in Nursing	691	675	724	669	626	493	681	610	690	734	772
Diploma in Occupational Therapy	41	49	64	54	55	55	63	61	48	3	*
Diploma in Oral Health Therapy	*	*	*	*	*	*	*	*	*	*	23
Diploma in Pharmaceutical Sciences	49	53	66	72	64	80	75	77	53	59	52
Diploma in Physiotherapy	32	62	77	78	82	90	88	90	90	1	*
Diploma in Precision Engineering	66	67	54	40	27	3	2	*	*	*	*
Diploma in Radiation Therapy	11	10	15	9	4	7	5	15	13	*	*
Diploma in Social Sciences (Social Work)	*	*	*	25	24	38	51	48	52	66	78
Diploma in Space & Interior Design	37	37	50	45	52	58	68	69	59	4	*
Diploma in Spatial Design	*	*	*	*	*	*	*	*	*	67	63
Diploma in Sport and Wellness Management	62	61	57	61	54	55	67	58	47	51	52
Diploma in Telematics & Media Technology	*	*	35	47	43	36	37	42	41	30	28
Diploma in Visual Communication	39	42	59	62	53	55	64	59	65	57	62

Source : Nanyang Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Advanced Diploma in Counselling	*	*	*	*	*	*	23	24	15	18	*
Advanced Diploma in Nursing	481	530	559	615	562	543	504	531	504	471	448
Advanced Diploma in Paramedicine	*	*	*	6	*	9	*	10	*	10	*
Advanced Diploma in Pharmaceutical Sciences	*	*	*	*	*	*	*	*	*	24	21
Advanced Diploma in Sonography	*	*	19	1	*	17	2	*	*	*	*
Specialist Diploma in Adolescent and Youth Health	*	*	*	*	15	*	*	*	*	*	*
Specialist Diploma in Advanced Networking	*	*	*	*	*	*	*	21	12	4	8
Specialist Diploma in Applied Artificial Intelligence	*	*	*	*	*	*	*	*	*	*	30
Specialist Diploma in Biomedical and Pharmaceutical Engineering	*	*	*	*	*	*	*	*	*	21	23
Specialist Diploma in Business & Big Data Analytics	*	*	*	*	*	29	44	49	57	92	128
Specialist Diploma in Clinical Diagnostics & Infectious Diseases	*	*	*	*	*	*	10	*	10	*	*
Specialist Diploma in Clinical Education	*	*	*	*	*	*	*	*	63	45	36
Specialist Diploma in Clinical Trials Management	*	33	*	24	18	*	14	18	11	*	*
Specialist Diploma in Cloud Data Centre Technology and Management	*	*	*	*	12	21	24	15	14	7	14
Specialist Diploma in Converged Infocomm Infrastructure	*	*	*	*	*	*	*	*	11	11	18
Specialist Diploma in Counselling	24	28	29	25	28	1	*	*	*	*	*
Specialist Diploma in Design and Make	*	*	*	*	*	*	*	*	*	11	8
Specialist Diploma in Design Strategy and Management	*	*	*	*	*	*	*	14	*	13	*
Specialist Diploma in Digital Media Production	*	*	*	*	*	*	*	*	15	10	18

Source : Nanyang Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Specialist Diploma in Electronic Systems Development	*	*	*	*	*	*	*	8	7	5	7
Specialist Diploma in Embedded Systems	*	38	21	21	*	13	16	11	7	9	9
Specialist Diploma in Energy and Environment Management For Process Industry	*	*	*	*	*	*	11	13	14	*	*
Specialist Diploma in Environmental Management & Applied Water Technology	*	*	*	*	*	*	*	*	*	*	6
Specialist Diploma in Fund Management & Administration	41	2	61	1	46	3	26	12	*	31	19
Specialist Diploma in Games Development	31	27	15	12	*	*	*	*	*	*	*
Specialist Diploma in Games Development (Art/Programming/Design)	*	*	*	*	*	*	*	*	*	10	*
Specialist Diploma in Games Development (Design)	*	*	*	*	*	*	*	9	7	*	*
Specialist Diploma in Health Promotion	*	28	21	20	*	23	14	*	*	*	*
Specialist Diploma in Hospitality and MICE Management	*	*	*	*	14	13	*	*	*	*	*
Specialist Diploma in Hospitality and Resort Management	36	30	17	1	*	*	*	*	*	*	*
Specialist Diploma in Human Capital Management	*	*	*	*	*	*	*	*	*	47	23
Specialist Diploma in Human Resource Management	*	*	*	*	50	*	32	35	*	74	100
Specialist Diploma in Immunology & Infectious Diseases	12	*	*	*	*	*	*	*	*	*	*
Specialist Diploma in Infocomm Technology	*	19	14	11	24	*	*	*	*	*	*
Specialist Diploma in Information Technology Security	89	78	44	34	*	*	*	*	*	*	*
Specialist Diploma in Information Security	*	*	*	*	24	31	35	39	31	15	24
Specialist Diploma in Information Systems Development	*	*	*	*	*	*	24	28	39	23	26

Source : Nanyang Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Specialist Diploma in Mobile Computing	*	*	*	*	19	18	9	14	15	13	11
Specialist Diploma in Nursing (Diabetes Management And Education)	*	*	26	14	23	*	22	21	29	18	22
Specialist Diploma in Nursing (Endoscopy)	*	*	*	*	*	*	*	*	*	23	18
Specialist Diploma in Nursing (ENT)	*	*	*	*	*	*	*	*	*	9	*
Specialist Diploma in Nursing (Gerontology)	*	*	*	*	*	*	*	*	11	*	9
Specialist Diploma in Nutrition Science	*	*	*	*	*	13	12	33	10	2	19
Specialist Diploma in Precision Engineering	*	*	*	*	*	*	*	*	*	13	7
Specialist Diploma in Radiology Nursing	*	*	*	*	16	*	*	*	*	25	15
Specialist Diploma in Renal Dialysis Management	*	*	*	*	*	*	19	26	26	24	20
Specialist Diploma in Retail Business & Entrepreneurship	*	*	*	*	17	*	12	*	*	*	*
Specialist Diploma in Retail Management	35	*	*	*	*	*	*	*	*	*	*
Specialist Diploma in Service Experience Design & Innovation	*	*	*	*	*	*	*	*	*	*	12
Specialist Diploma in Spatial Design	*	*	*	*	*	*	*	*	17	12	16
Specialist Diploma in Sport Management and Marketing	*	*	*	*	*	*	*	17	*	15	7
Specialist Diploma in Supply Chain Management	89	1	64	*	34	2	28	23	*	39	17
Specialist Diploma in User Experience Design & Management	*	*	*	*	*	*	*	*	*	12	18
Specialist Diploma in Visual Communication	*	*	*	*	*	*	*	*	15	20	9
Specialist Diploma in Visual Effects	*	*	22	*	19	14	11	*	*	17	9
Specialist Diploma in Wireless Technology	*	*	*	*	21	11	*	11	7	10	1

Source : Nanyang Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Republic Polytechnic	2,991	3,393	4,037	4,153	4,566	4,783	4,845	4,752	4,755	4,500	4,658
Diploma in Aerospace Avionics	135	110	152	134	112	95	99	87	111	91	86
Diploma in Aerospace Engineering	*	*	*	*	*	100	96	107	107	102	98
Diploma in Aerospace Engineering (Quality Systems)	*	*	57	108	112	21	1	*	*	*	*
Diploma in Applied Science (Nutrition and Food Science)	*	*	*	*	*	*	9	22	17	19	31
Diploma in Applied Science (Pharmaceutical Sciences)	*	*	*	*	*	*	*	*	*	*	26
Diploma in Arts and Theatre Management	*	*	*	*	*	*	*	72	91	72	77
Diploma in Aviation Management	*	*	*	*	*	*	*	101	115	103	110
Diploma in Biomedical Electronics	144	117	104	107	111	97	12	1	*	*	*
Diploma in Biomedical Sciences	170	232	243	302	165	139	148	147	141	148	144
Diploma in Biotechnology	133	100	164	139	128	108	118	126	125	104	111
Diploma in Business Applications	208	280	271	293	312	246	214	144	150	132	128
Diploma in Business Computing	195	174	37	4	*	1	*	*	*	*	*
Diploma in Business Information Systems	*	*	229	210	280	316	218	150	140	152	109
Diploma in Business Practice (Hospitality Management)	*	*	*	*	*	15	35	20	20	60	64
Diploma in Business Practice (Human Resource Management)	*	*	*	*	*	*	*	*	*	*	5
Diploma in Business Practice (International Human Resources Management)	*	*	*	*	*	*	8	31	22	25	40
Diploma in Civil Aviation	*	112	130	108	108	104	102	12	1	1	*
Diploma in Communications and Automation Electronics	128	10	6	2	*	*	*	*	*	*	*
Diploma in Communication and Information Design	68	87	110	107	89	96	6	1	*	1	*
Diploma in Consumer Behaviour and Research	*	*	*	*	*	48	54	49	48	51	67
Diploma in Customer Experience Management with Business	*	*	*	*	*	*	*	*	*	170	165
Diploma in Customer Relationship and Service Management	117	124	161	169	209	219	283	234	207	11	1

Source : Republic Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Diploma in Design for Interactivity	43	26	49	56	62	63	76	98	4	2	*
Diploma in Design for User Experience	*	*	*	*	*	*	*	*	78	65	90
Diploma in Digital Entertainment Electronics	*	102	93	97	95	115	11	*	*	*	*
Diploma in Electronics Engineering	1	1	*	*	*	*	*	*	*	*	*
Diploma in Electrical and Electronic Engineering	*	*	*	*	*	*	221	189	238	223	167
Diploma in Engineering (Electrical and Electronics)	*	*	*	*	*	*	18	19	16	22	11
Diploma in Engineering (Operations and Engineering Management)	*	*	*	*	*	13	19	14	28	13	28
Diploma in Engineering Design with Business	*	*	*	*	*	*	*	*	*	60	70
Diploma in Engineering Systems and Management	*	*	*	*	*	*	*	*	68	95	74
Diploma in Environmental Science	35	102	124	81	101	167	92	116	99	82	86
Diploma in Game Design	*	28	60	80	68	71	72	56	62	44	52
Diploma in Green Building Energy Management	*	*	*	*	*	*	*	*	78	78	56
Diploma in Healthcare Administration	*	*	*	*	42	105	133	128	16	*	*
Diploma in Health Management and Promotion	*	*	*	54	75	99	83	129	109	117	100
Diploma in Health Services Management	*	*	*	*	*	*	*	*	106	122	119
Diploma in Hotel and Hospitality Management	*	113	138	169	170	112	169	157	158	146	158
Diploma in Human Resource Management with Psychology	*	*	*	*	*	*	*	42	47	70	80
Diploma in Industrial and Operations Management	135	165	120	95	123	229	131	122	146	112	107
Diploma in Industrial and Systems Engineering	1	1	*	*	*	*	*	*	*	*	*
Diploma in Infocomm and Digital Media (Information Systems)	*	*	*	*	*	*	13	6	4	6	5
Diploma in Infocomm Security Management	*	*	*	*	*	*	*	*	51	70	74
Diploma in Information Technology	215	160	196	168	215	175	209	182	149	141	137

Source : Republic Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Diploma in Integrated Events Management	134	149	168	188	188	217	253	215	191	173	205
Diploma in Interactive and Digital Media	88	89	117	91	115	110	107	90	90	70	81
Diploma in IT Service Management	37	38	48	37	52	57	58	60	60	12	*
Diploma in Marine Science and Aquaculture	*	*	*	*	*	*	*	49	40	44	55
Diploma in Mass Communication	*	*	*	*	*	*	132	141	99	102	97
Diploma in Materials Science	128	102	79	74	76	88	109	131	115	92	94
Diploma in Media Production and Design	*	*	*	*	*	*	*	118	151	119	143
Diploma in Micro and Nanotechnology	59	65	60	68	79	64	11	*	*	*	*
Diploma in Mobile Software Development	*	*	*	*	*	35	42	60	52	37	47
Diploma in New Media	106	99	163	184	181	183	160	31	1	*	*
Diploma in Outdoor and Adventure Learning	68	57	69	134	142	94	116	94	64	73	52
Diploma in Pharmaceutical Sciences	135	147	196	194	278	223	218	208	186	163	194
Diploma in Renewable Energy Engineering	*	*	*	48	81	75	75	82	13	4	*
Diploma in Restaurant and Culinary Operations	*	*	*	*	47	73	79	83	96	82	66
Diploma in Social Enterprise Management	*	*	*	*	*	*	36	40	42	38	49
Diploma in Sonic Arts	47	40	40	50	48	59	69	55	71	68	74
Diploma in Sports and Exercise Sciences	101	116	132	117	161	145	114	121	140	115	102
Diploma in Sports and Leisure Management	165	153	187	127	136	159	149	98	91	98	93
Diploma in Sports Coaching	*	*	*	*	*	35	42	52	48	56	51
Diploma in Sports (Coaching)	*	*	*	*	*	12	15	19	27	19	22
Diploma in Sports Wellness and Services	*	*	*	*	*	*	*	*	*	*	21
Diploma in Supply Chain Management	116	156	177	127	136	135	122	111	138	92	94
Diploma in Technology and Arts Management	41	36	50	95	79	76	87	13	1	*	*
Diploma in Wellness, Lifestyle and Spa Management	*	*	*	43	54	77	87	87	73	63	51

Source : Republic Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

H.1 GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING BY INSTITUTION AND COURSE, 2010 – 2020 (continued)

Institution/Course	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Specialist Diploma in Advanced Composites	*	*	*	*	*	*	17	11	15	6	9
Specialist Diploma in Applied Artificial Intelligence	*	*	*	*	*	*	*	*	*	*	18
Specialist Diploma in Applied Learning and Teaching	*	*	*	39	66	68	16	51	29	45	33
Specialist Diploma in Biomedical Technology	*	*	*	*	*	*	*	*	*	*	8
Specialist Diploma in Business Analytics	*	*	*	*	*	*	12	7	14	15	22
Specialist Diploma in Career Counselling	*	*	*	*	*	*	27	98	18	46	67
Specialist Diploma in Cloud Architecting and Management	*	*	*	*	*	*	*	*	*	*	24
Specialist Diploma in Communication Strategies for Social Media	*	*	*	*	*	*	*	*	18	7	4
Specialist Diploma in Digital Business	*	*	*	*	*	*	*	*	*	*	28
Specialist Diploma in Digital Content Creation for Business	*	*	*	*	*	*	*	*	*	*	8
Specialist Diploma in Events, Sports and Leisure Management	*	26	18	14	13	*	*	*	*	*	*
Specialist Diploma in Healthy Ageing & Community Care for Seniors	*	*	*	*	*	*	*	*	*	*	22
Specialist Diploma in Healthcare Education	1	23	*	*	*	*	*	*	*	*	*
Specialist Diploma in Hospitality Business Management	*	*	*	*	*	*	*	*	43	47	36
Specialist Diploma in Mobile Applications	*	*	*	*	18	14	17	10	12	8	4
Specialist Diploma in Integrated Care Management	*	*	*	*	*	*	*	*	*	16	17
Specialist Diploma in Internet of Things	*	*	*	*	*	*	*	*	*	10	7
Specialist Diploma in Outdoor and Adventure Learning	*	*	16	14	7	2	*	*	*	*	*
Specialist Diploma in Sports and Exercise Science	3	32	20	*	17	17	12	20	24	13	15
Specialist Diploma in Sports and Leisure Management	14	*	*	*	*	*	*	*	*	*	*
Specialist Diploma in Supply Chain Management	*	*	53	26	15	11	13	35	41	57	69
Specialist Diploma in Wireless Communication and Networking	20	21	*	*	*	*	*	*	*	*	*

Source : Republic Polytechnic

* Refers to course yet to commence or produce graduates, or was not offered.

H.2 KEY STATISTICS ON EMPLOYMENT OUTCOME OF GRADUATES FROM INSTITUTIONS OF HIGHER LEARNING, 2010 – 2020

Institutions	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Universities (NTU, NUS, SMU, SUSS)											
Proportion Of Graduates In The Labour Force Who Are Employed (%)	90.7	91.4	91.0	89.3	89.1	89.5	89.5	88.9	90.2	90.7	93.6
Full-Time Permanent	84.8	86.4	85.6	83.4	82.7	83.1	79.9	78.4	81.2	81.7	69.8
Part-Time/Temporary/Freelance	5.9	5.0	5.4	5.9	6.4	6.5	9.7	10.5	9.0	9.0	23.8*
Median Gross Monthly Starting Salary Of Graduates In Full-Time Permanent Employment (\$)	2,900	3,000	3,050	3,050	3,200	3,300	3,300	3,400	3,500	3,600	3,700
Polytechnics											
Fresh Graduates											
Proportion Of Graduates In The Labour Force Who Are Employed (%)	91.5	92.1	91.0	89.8	89.2	88.9	90.6	86.4	89.0	89.1	85.4
Full-Time Permanent	68.5	67.0	65.4	62.7	59.4	57.9	55.8	52.8	55.9	56.6	45.8
Part-Time/Temporary/Freelance	23.0	25.1	25.7	27.1	29.8	31.0	34.8	33.7	33.2	32.5	36.8
Median Gross Monthly Starting Salary Of Graduates In Full-Time Permanent Employment (\$)	1,800	1,850	1,950	2,000	2,000	2,100	2,180	2,200	2,270	2,300	2,350
Post-NS Graduates											
Proportion Of Graduates In The Labour Force Who Are Employed (%)	95.4	94.7	93.1	92.8	92.4	91.5	95.4	89.8	90.5	94.1	91.9
Full-Time Permanent	81.3	80.1	77.8	74.2	73.0	70.8	70.2	64.0	65.7	70.7	65.5
Part-Time/Temporary/Freelance	14.1	14.6	15.3	18.7	19.3	20.7	25.2	25.8	24.8	23.4	20.4
Median Gross Monthly Starting Salary Of Graduates In Full-Time Permanent Employment (\$)	2,000	2,100	2,253	2,250	2,400	2,500	2,517	2,480	2,501	2,540	2,669
Institute of Technical Education (ITE)											
Fresh Graduates											
Proportion Of Graduates In The Labour Force Who Are Employed (%)	84.7	84.1	83.2	81.7	83.0	83.2	86.7	79.9	75.9	85.0	73.4
Full-Time Permanent	57.8	63.5	51.5	62.4	59.3	48.4	40.3	40.2	35.2	47.0	38.0
Part-Time/Temporary/Freelance	26.9	20.6	31.7	19.4	23.7	34.7	46.5	39.7	40.7	38.1	35.4
Median Gross Monthly Starting Salary Of Graduates In Full-Time Permanent Employment (\$)	1,291	1,300	1,350	1,410	1,500	1,700	1,655	1,700	1,700	1,700	1,720
Post-NS Graduates											
Proportion Of Graduates In The Labour Force Who Are Employed (%)	90.4	89.6	89.6	89.9	89.4	86.8	86.1	85.3	87.2	89.1	81.0
Full-Time Permanent	78.3	79.7	79.4	80.4	78.6	63.0	67.3	63.7	61.7	67.3	53.9
Part-Time/Temporary/Freelance	12.0	10.0	10.2	9.4	10.8	23.8	18.8	21.6	25.5	21.8	27.1
Median Gross Monthly Starting Salary Of Graduates In Full-Time Permanent Employment (\$)	1,600	1,600	1,700	1,743	1,835	1,950	2,000	2,100	2,200	2,050	2,200

Source: Graduate Employment Survey conducted by various local publicly-funded institutions of higher learning

*Of these, 16.9%-points include graduates on the SGUnited Traineeships Programme.

Notes :

- 1) Proportion in employment refers to the employed as a proportion of graduates who have entered the labour market as at the reference date, approximately 6 months after completion of final examinations.
- 2) Full-time permanent employment refers to employment of at least 35 hours a week and where the employment is not temporary. It includes those on contracts of one year or more.
- 3) Part-time/temporary/freelance employment refers to employment of less than 35 hours a week and where employment is casual, interim or seasonal. It includes those on contracts of less than one year.
- 4) Gross monthly starting salary comprises the basic salary, fixed allowances, overtime pay and commissions. Bonuses are excluded.
- 5) Fresh graduates refer to those who had completed their studies in the year, comprising mostly females and males who are not liable for National Service (NS) after graduation.
- 6) Post-NS graduates refer to male graduates who had completed their studies about 2 years earlier. For example, 2020 data refers to male graduates who completed their full-time NS between April 2019 and March 2020 for Polytechnics and between Jul 2019 and Jun 2020 for ITE graduates.
- 7) Universities refer to Nanyang Technological University (NTU), National University of Singapore (NUS), Singapore Management University (SMU) and Singapore University of Social Sciences (SUSS). SUSS was included from 2018 onwards as its first batch of undergraduate students graduated in 2018.
- 8) Polytechnics refer to Nanyang Polytechnic (NYP), Ngee Ann Polytechnic (NP), Republic Polytechnic (RP), Singapore Polytechnic (SP) and Temasek Polytechnic (TP).

H.3 EMPLOYMENT AND GROSS MONTHLY STARTING SALARY OF UNIVERSITY GRADUATES FROM NUS, NTU, SMU AND SUSS IN FULL-TIME PERMANENT EMPLOYMENT BY DEGREE, 2020

Degree	Universities conducting the courses	Employment		Median Gross Monthly Starting Salary (\$)
		Number	Proportion (%)	
<u>Three-Year Degree Programme</u>				
Bachelor of Accountancy	NTU	353	88.7	3,000
Bachelor of Arts	NUS	33	39.8	3,300
Bachelor of Business	NTU	249	66.8	3,800
Bachelor of Science (Nursing)	NUS	107	92.2	3,500
<u>Four-Year Degree Programme</u>				
Bachelor of Accountancy	SMU	178	86.0	3,100
Bachelor of Accountancy	SUSS	76	81.7	3,000
Bachelor of Accountancy & Bachelor of Business	NTU	116	91.3	4,405
Bachelor of Arts (Chinese) (Honours)	NTU	47	63.5	3,500
Bachelor of Arts (Economics) (Honours)	NTU	54	63.5	3,797
Bachelor of Arts (Education) / Bachelor of Arts with Diploma in Education	NTU	61	98.4	3,799
Bachelor of Arts (English) (Honours)	NTU	38	43.2	3,450
Bachelor of Arts (Honours)	NUS	110	54.2	3,500
Bachelor of Arts (Linguistics and Multilingual Studies) (Honours)	NTU	37	63.8	3,350
Bachelor of Arts (Psychology) (Honours)	NTU	53	53.5	3,300
Bachelor of Arts (Sociology) (Honours)	NTU	43	66.2	3,600
Bachelor of Arts with Honours	NUS	69	65.7	3,890
Bachelor of Business Administration (Accountancy) (Honours)	NUS	174	92.1	3,500
Bachelor of Business Administration (Honours)	NUS	284	80.7	4,000
Bachelor of Business And Computer Engineering	NTU	37	97.4	5,400
Bachelor of Business Management	SMU	376	68.4	3,850

Source: Graduate Employment Survey conducted by various universities

Notes :

- 1) Universities refer to Nanyang Technological University (NTU), National University of Singapore (NUS), Singapore Management University (SMU) and Singapore University of Social Sciences (SUSS). SUSS was included from 2018 onwards as its first batch of undergraduate students graduated in 2018.
- 2) Employment Number refers to the actual number of employed persons who responded to the survey and indicated they were employed on a full-time permanent basis as at 30 October 2020.
- 3) Employment Proportion refers to the full-time permanently employed as a proportion of graduates who have entered the labour market as at 30 October 2020, approximately 6 months after completing their final examinations.
- 4) Full-time permanent employment refers to employment of at least 35 hours a week and where the employment is not temporary. It includes those on contracts of one year or more.
- 5) Gross monthly starting salary comprises the basic salary, fixed allowances, overtime pay and commissions. Bonuses are excluded.
- 6) Data on law, medical, pharmacy and architecture graduates were not reflected as a significant number of them were still doing practical law course/ reading in chambers/ under pupillage or serving housemanship.

H.3 EMPLOYMENT AND GROSS MONTHLY STARTING SALARY OF UNIVERSITY GRADUATES FROM NUS, NTU, SMU AND SUSS IN FULL-TIME PERMANENT EMPLOYMENT BY DEGREE, 2020 (continued)

Degree	Universities conducting the courses	Employment		Median Gross Monthly Starting Salary (\$)
		Number	Proportion (%)	
Four-Year Degree Programme (Continued)				
Bachelor of Communication Studies (Honours)	NTU	92	66.7	3,340
Bachelor of Computing (Computer Science)	NUS	162	92.6	5,243
Bachelor of Computing (Information Systems)	NUS	67	93.1	4,500
Bachelor of Dental Surgery	NUS	43	100.0	4,200
Bachelor of Engineering (Aerospace Engineering)	NTU	69	75.8	4,000
Bachelor of Engineering (Biomedical Engineering)	NUS	51	53.1	3,500
Bachelor of Engineering (Chemical & Biomolecular Engineering)	NTU	83	83.0	3,900
Bachelor of Engineering (Chemical Engineering)	NUS	158	78.2	4,000
Bachelor of Engineering (Civil Engineering)	NUS	96	86.5	3,590
Bachelor of Engineering (Civil Engineering)	NTU	80	87.0	3,500
Bachelor of Engineering (Computer Science)	NTU	199	86.1	4,300
Bachelor of Engineering (Computer Engineering)	NUS	90	81.1	5,000
Bachelor of Engineering (Computer Engineering)	NTU	34	94.4	4,100
Bachelor of Engineering (Electrical Engineering)	NUS	126	75.4	4,200
Bachelor of Engineering (Electrical & Electronic Engineering)	NTU	325	75.1	3,880
Bachelor of Engineering (Industrial And Systems Engineering)	NUS	66	93.0	4,380
Bachelor of Engineering (Information Engineering and Media)	NTU	35	70.0	4,000
Bachelor of Engineering (Materials Engineering)	NTU	98	69.0	3,700
Bachelor of Engineering (Materials Science & Engineering)	NUS	41	66.1	3,900
Bachelor of Engineering (Mechanical Engineering)	NUS	192	69.6	3,800
Bachelor of Engineering (Mechanical Engineering)	NTU	235	67.5	3,850

Source: Graduate Employment Survey conducted by various universities

Notes :

- 1) Universities refer to Nanyang Technological University (NTU), National University of Singapore (NUS), Singapore Management University (SMU) and Singapore University of Social Sciences (SUSS). SUSS was included from 2018 onwards as its first batch of undergraduate students graduated in 2018.
- 2) Employment Number refers to the actual number of employed persons who responded to the survey and indicated they were employed on a full-time permanent basis as at 30 October 2020.
- 3) Employment Proportion refers to the full-time permanently employed as a proportion of graduates who have entered the labour market as at 30 October 2020, approximately 6 months after completing their final examinations.
- 4) Full-time permanent employment refers to employment of at least 35 hours a week and where the employment is not temporary. It includes those on contracts of one year or more.
- 5) Gross monthly starting salary comprises the basic salary, fixed allowances, overtime pay and commissions. Bonuses are excluded.
- 6) Data on law, medical, pharmacy and architecture graduates were not reflected as a significant number of them were still doing practical law course/ reading in chambers/ under pupillage or serving housemanship.

H.3 EMPLOYMENT AND GROSS MONTHLY STARTING SALARY OF UNIVERSITY GRADUATES FROM NUS, NTU, SMU AND SUSS IN FULL-TIME PERMANENT EMPLOYMENT BY DEGREE, 2020 (continued)

Degree	Universities conducting the courses	Employment		Median Gross Monthly Starting Salary (\$)
		Number	Proportion (%)	
Four-Year Degree Programme (Continued)				
Bachelor of Fine Arts (Arts, Design & Media)	NTU	41	35.7	2,800
Bachelor of Science (Physics & Applied Physics)	NTU	33	48.5	3,700
Bachelor of Science (Biological Sciences) (Honours)	NTU	102	56.7	3,325
Bachelor of Science (Business Analytics)	NUS	43	84.3	5,000
Bachelor of Science (Chemistry & Biological Chemistry) (Honours)	NTU	73	45.6	3,245
Bachelor of Science (Economics)	SMU	124	70.5	3,800
Bachelor of Science (Education) / Bachelor of Science with Diploma in Education	NTU	44	100.0	3,800
Bachelor of Science (Honours)	NUS	334	57.4	3,528
Bachelor of Science (Information Systems Management)	SMU	182	83.9	4,542
Bachelor of Science (Maritime Studies)	NTU	51	78.5	3,500
Bachelor of Science (Mathematical Sciences)	NTU	91	68.9	3,656
Bachelor of Science (Mathematics & Economics)	NTU	39	55.7	3,832
Bachelor of Science (Nursing) (Honours)	NUS	65	97.0	3,600
Bachelor of Science (Project & Facilities Management)	NUS	60	66.7	3,200
Bachelor of Science (Real Estate)	NUS	70	68.6	3,630
Bachelor of Science in Marketing	SUSS	39	51.3	2,900
Bachelor of Social Sciences (Honours)	NUS	562	65.3	3,500
Bachelor of Social Sciences	SMU	84	52.8	3,500
Bachelor of Social Work	SUSS	33	89.2	3,500
Bachelor of Sports Science and Management	NTU	31	52.5	3,300

Source: Graduate Employment Survey conducted by various universities

Notes :

- 1) Universities refer to Nanyang Technological University (NTU), National University of Singapore (NUS), Singapore Management University (SMU) and Singapore University of Social Sciences (SUSS). SUSS was included from 2018 onwards as its first batch of undergraduate students graduated in 2018.
- 2) Employment Number refers to the actual number of employed persons who responded to the survey and indicated they were employed on a full-time permanent basis as at 30 October 2020.
- 3) Employment Proportion refers to the full-time permanently employed as a proportion of graduates who have entered the labour market as at 30 October 2020, approximately 6 months after completing their final examinations.
- 4) Full-time permanent employment refers to employment of at least 35 hours a week and where the employment is not temporary. It includes those on contracts of one year or more.
- 5) Gross monthly starting salary comprises the basic salary, fixed allowances, overtime pay and commissions. Bonuses are excluded.
- 6) Data on law, medical, pharmacy and architecture graduates were not reflected as a significant number of them were still doing practical law course/ reading in chambers/ under pupillage or serving housemanship.

**H.4 EMPLOYMENT AND GROSS MONTHLY STARTING SALARY OF UNIVERSITY GRADUATES FROM SUTD
IN FULL-TIME PERMANENT EMPLOYMENT BY DEGREE, 2020**

Degree	Employment		Median Gross Monthly Starting Salary (\$)
	Number	Proportion (%)	
Bachelor of Engineering (Engineering Product Development)	46	82.1	3,800
Bachelor of Engineering (Engineering Systems and Design)	64	77.1	4,000
Bachelor of Engineering (Information Systems Technology and Design)	82	85.4	4,500

Source: Graduate Employment Survey conducted by various universities

Notes :

- 1) Employment Number refers to the actual number of employed persons who responded to the survey and indicated they were employed on a full-time permanent basis as at 19 February 2021.
- 2) Employment Proportion refers to the full-time permanently employed as a proportion of graduates who have entered the labour market as at 19 February 2021, approximately 6 months after completing their final examinations.
- 3) Full-time permanent employment refers to employment of at least 35 hours a week and where the employment is not temporary. It includes those on contracts of one year or more.
- 4) Gross monthly starting salary comprises the basic salary, fixed allowances, overtime pay and commissions. Bonuses are excluded.
- 5) Data on other offered degrees have been suppressed because the number covered was too small.

**H.5 EMPLOYMENT AND GROSS MONTHLY STARTING SALARY OF UNIVERSITY GRADUATES FROM SIT
IN FULL-TIME PERMANENT EMPLOYMENT BY DEGREE, 2019**

Degree	Employment		Median Gross Monthly Starting Salary (\$)
	Number	Proportion (%)	
<u>DigiPen Institute of Technology</u>			
Bachelor of Science in Computer Science in Real-Time Interactive Simulation	37	94.9	4,400
<u>Singapore Institute of Technology (SIT)</u>			
Bachelor of Accountancy with Honours	99	89.2	3,100
Bachelor of Engineering with Honours in Information & Communications Technology (Information Security)	38	95.0	4,100
Bachelor of Engineering with Honours in Information & Communications Technology (Software Engineering)	38	97.4	4,190
Bachelor of Engineering with Honours in Pharmaceutical Engineering	58	90.6	3,660
Bachelor of Engineering with Honours in Sustainable Infrastructure Engineering (Building Services)	49	92.5	3,500
Bachelor of Engineering with Honours in Telematics (Intelligent Transportation Systems Engineering)	32	97.0	3,750
Bachelor of Hospitality Business with Honours	103	74.6	3,000
<u>SIT- Massey University</u>			
Bachelor of Food Technology with Honours	38	88.4	2,975
<u>SIT- Newcastle University</u>			
Bachelor of Engineering with Honours in Chemical Engineering	33	73.3	3,500

Source: Graduate Employment Survey conducted by various universities

Notes :

- 1) Employment Number refers to the actual number of employed persons who responded to the survey and indicated they were employed on a full-time permanent basis as at 1 March 2020.
- 2) Employment Proportion refers to the full-time permanently employed as a proportion of graduates who have entered the labour market as at 1 March 2020, approximately 6 months after completing their final examinations.
- 3) Full-time permanent employment refers to employment of at least 35 hours a week and where the employment is not temporary. It includes those on contracts of one year or more.
- 4) Gross monthly starting salary comprises the basic salary, fixed allowances, overtime pay and commissions. Bonuses are excluded.
- 5) Figures are based on latest available data.

**H.5 EMPLOYMENT AND GROSS MONTHLY STARTING SALARY OF UNIVERSITY GRADUATES FROM SIT
IN FULL-TIME PERMANENT EMPLOYMENT BY DEGREE, 2019** (continued)

Degree	Employment		Median Gross Monthly Starting Salary (\$)
	Number	Proportion (%)	
<u>SIT- University of Glasgow</u>			
Bachelor of Science with Honours in Nursing	46	95.8	3,800
<u>Technical University of Munich (TUM)</u>			
Bachelor of Science in Chemical Engineering	34	77.3	3,300
<u>SIT-Trinity College Dublin / Trinity College Dublin</u>			
Bachelor in Science (Occupational Therapy)	33	100.0	3,425
Bachelor in Science (Physiotherapy)	58	98.3	3,400
<u>University of Glasgow</u>			
Bachelor of Engineering with Honours in Aeronautical Engineering	31	64.6	s
Bachelor of Engineering with Honours in Mechanical Design Engineering	62	93.9	3,500
Bachelor of Engineering with Honours in Mechatronics	49	83.1	3,600
Bachelor of Science with Honours in Computing Science	58	89.2	4,200
<u>University of Liverpool</u>			
Bachelor of Arts with Honours in Criminology and Security	57	70.4	3,695

Source: Graduate Employment Survey conducted by various universities

Notes :

- 1) Employment Number refers to the actual number of employed persons who responded to the survey and indicated they were employed on a full-time permanent basis as at 1 March 2020.
- 2) Employment Proportion refers to the full-time permanently employed as a proportion of graduates who have entered the labour market as at 1 March 2020, approximately 6 months after completing their final examinations.
- 3) Full-time permanent employment refers to employment of at least 35 hours a week and where the employment is not temporary. It includes those on contracts of one year or more.
- 4) Gross monthly starting salary comprises the basic salary, fixed allowances, overtime pay and commissions. Bonuses are excluded.
- 5) Figures are based on latest available data.

H.6 EMPLOYMENT AND GROSS MONTHLY STARTING SALARY OF POLYTECHNIC GRADUATES IN FULL-TIME PERMANENT EMPLOYMENT BY COURSE, 2020

Course	Polytechnics conducting the courses	Fresh Graduates			Post-NS Graduates		
		Employment		Median Gross Monthly Starting Salary (\$)	Employment		Median Gross Monthly Starting Salary (\$)
		Number	Proportion (%)		Number	Proportion (%)	
ENGINEERING		373	47.5	2,300	682	71.9	2,500
Aeronautical & Aerospace Technology; Aeronautical Engineering; Aerospace Engineering; Aerospace Technology	NYP,NP,RP,SP,TP	s	s	s	69	71.9	2,518
Aerospace Avionics; Aerospace Electronics; Aerospace Systems & Management	NYP,NP,RP,SP,TP	s	s	s	53	67.9	2,614
Automation & Mechatronic Systems; Mechatronics; Mechatronics & Robotics; Mechatronics Engineering	NYP,NP,SP,TP	36	56.3	2,450	66	67.3	2,596
Computer Engineering; Electronics; Electronic & Computer Engineering; Electronics, Computer & Communications Engineering; Electronic Systems; Electrical and Electronic Engineering; Media & Communication Technology; Microelectronics	NYP,NP,TP,RP	76	53.9	2,400	116	73.9	2,500
Electrical & Electronic Engineering; Electrical Engineering; Electrical Engineering with Eco-Design	NYP,NP,SP	33	55.0	2,380	88	77.2	2,500
Mechanical Engineering	NP,SP	s	s	s	60	83.3	2,600
BUILT ENVIRONMENT		75	39.1	2,230	70	72.2	2,500

Source: Graduate Employment Survey conducted by polytechnics

Notes :

- 1) Polytechnics refer to Nanyang Polytechnic (NYP), Ngee Ann Polytechnic (NP), Republic Polytechnic (RP), Singapore Polytechnic (SP) and Temasek Polytechnic (TP).
- 2) Fresh graduates refer to those who had completed their studies in 2020, comprising mostly females and males who are not liable for National Service (NS) after graduation.
- 3) Post-NS graduates refer to male graduates who had completed their studies in 2017 and their full-time NS between April 2019 and March 2020.
- 4) Employment Number refers to the actual number of employed persons who responded to the survey and indicated they were employed on a full-time permanent basis as at 1 October 2020.
- 5) Employment Proportion refers to the full-time permanently employed as a proportion of graduates who have entered the labour market as at 1 October 2020, approximately 6 months after completing their final examinations.
- 6) Full-time permanent employment refers to employment of at least 35 hours a week and where the employment is not temporary. It includes those on contracts of one year or more.
- 7) Gross monthly starting salary comprises the basic salary, fixed allowances, overtime pay and commissions. Bonuses are excluded.
- 8) s : Data have been suppressed because the number covered was too small.

H.6 EMPLOYMENT AND GROSS MONTHLY STARTING SALARY OF POLYTECHNIC GRADUATES IN FULL-TIME PERMANENT EMPLOYMENT BY COURSE, 2020 (continued)

Course	Polytechnics conducting the courses	Fresh Graduates			Post-NS Graduates		
		Employment		Median Gross Monthly Starting Salary (\$)	Employment		Median Gross Monthly Starting Salary (\$)
		Number	Proportion (%)		Number	Proportion (%)	
<u>INFORMATION & DIGITAL TECHNOLOGIES</u>		157	47.6	2,300	183	65.8	2,600
Business Applications; Business Informatics; Business Information Systems; Business Information Technology	NYP,NP,RP,SP,TP	37	42.5	2,400	33	55.9	2,800
Cyber & Digital Security; Cyber Security & Forensics Digital Forensics; Infocomm Security Management; Information Security; Information Security & Forensics; Network Systems & Security	NYP,NP,RP,SP,TP	33	61.1	2,300	s	s	s
Information Technology	NYP,NP,RP,SP,TP	43	51.2	2,300	52	69.3	2,700
<u>SCIENCES</u>		149	36.3	2,120	98	59.4	2,500
Applied Food Science & Nutrition; Food Science & Nutrition; Food Science & Technology	NYP,SP,TP	31	45.6	2,000	s	s	s
<u>HEALTH SCIENCES</u>		608	78.6	2,550	54	80.6	2,698
Health Sciences (Nursing); Nursing	NYP,NP	508	85.1	2,600	s	s	s
Pharmaceutical Science; Pharmaceutical Sciences; Pharmacy Science	NYP,NP,RP,TP	61	50.4	2,150	s	s	s
<u>HUMANITIES & SOCIAL SCIENCES</u>		408	68.1	2,500	75	61.5	2,580
Child Psychology & Early Education; Early Childhood Education; Early Childhood Studies; Tamil Studies with Early Education	NP,TP	293	88.8	2,500	s	s	s
Health Management and Promotion; Healthcare Administration; Health Services Management	RP	41	45.1	2,100	s	s	s

Source: Graduate Employment Survey conducted by polytechnics

Notes :

- 1) Polytechnics refer to Nanyang Polytechnic (NYP), Ngee Ann Polytechnic (NP), Republic Polytechnic (RP), Singapore Polytechnic (SP) and Temasek Polytechnic (TP).
- 2) Fresh graduates refer to those who had completed their studies in 2020, comprising mostly females and males who are not liable for National Service (NS) after graduation.
- 3) Post-NS graduates refer to male graduates who had completed their studies in 2017 and their full-time NS between April 2019 and March 2020.
- 4) Employment Number refers to the actual number of employed persons who responded to the survey and indicated they were employed on a full-time permanent basis as at 1 October 2020.
- 5) Employment Proportion refers to the full-time permanently employed as a proportion of graduates who have entered the labour market as at 1 October 2020, approximately 6 months after completing their final examinations.
- 6) Full-time permanent employment refers to employment of at least 35 hours a week and where the employment is not temporary. It includes those on contracts of one year or more.
- 7) Gross monthly starting salary comprises the basic salary, fixed allowances, overtime pay and commissions. Bonuses are excluded.
- 8) s : Data have been suppressed because the number covered was too small.

H.6 EMPLOYMENT AND GROSS MONTHLY STARTING SALARY OF POLYTECHNIC GRADUATES IN FULL-TIME PERMANENT EMPLOYMENT BY COURSE, 2020 (continued)

Course	Polytechnics conducting the courses	Fresh Graduates			Post-NS Graduates		
		Employment		Median Gross Monthly Starting Salary (\$)	Employment		Median Gross Monthly Starting Salary (\$)
		Number	Proportion (%)		Number	Proportion (%)	
<u>BUSINESS</u>		329	31.0	2,100	216	56.5	2,500
Accountancy; Accountancy & Finance; Accounting & Finance	NYP,NP,SP,TP	53	38.7	2,050	s	s	s
Business; Business Administration; Business Management; Business Studies; International Business	NYP,NP,SP,TP	47	23.7	2,000	44	51.2	2,880
Hospitality & Tourism Management; Hotel and Hospitality Management; Integrated Events & Project Management; Integrated Events Management; Leisure & Resort Management; Leisure & Events Management; Tourism & Resort Management	NYP,NP,RP,SP,TP	93	28.9	2,000	49	62.8	2,450
<u>ART, DESIGN & MEDIA</u>		212	23.7	2,000	136	54.2	2,500
Advertising & Public Relations; Communications & Media Management; Mass Communication; Mass Media Management; Media & Communication; Media Production and Design; New Media	NYP,NP,RP,SP,TP	38	19.2	2,050	s	s	s
Communication Design; Visual Communication; Visual Communication & Media Design	NYP,SP,TP	36	29.0	2,000	s	s	s
Interior Architecture & Design; Interior Design; Retail & Hospitality Design; Space & Interior Design; Spatial Design	NYP,SP,TP	30	34.9	2,000	s	s	s

Source: Graduate Employment Survey conducted by polytechnics

Notes :

- 1) Polytechnics refer to Nanyang Polytechnic (NYP), Ngee Ann Polytechnic (NP), Republic Polytechnic (RP), Singapore Polytechnic (SP) and Temasek Polytechnic (TP).
- 2) Fresh graduates refer to those who had completed their studies in 2020, comprising mostly females and males who are not liable for National Service (NS) after graduation.
- 3) Post-NS graduates refer to male graduates who had completed their studies in 2017 and their full-time NS between April 2019 and March 2020.
- 4) Employment Number refers to the actual number of employed persons who responded to the survey and indicated they were employed on a full-time permanent basis as at 1 October 2020.
- 5) Employment Proportion refers to the full-time permanently employed as a proportion of graduates who have entered the labour market as at 1 October 2020, approximately 6 months after completing their final examinations.
- 6) Full-time permanent employment refers to employment of at least 35 hours a week and where the employment is not temporary. It includes those on contracts of one year or more.
- 7) Gross monthly starting salary comprises the basic salary, fixed allowances, overtime pay and commissions. Bonuses are excluded.
- 8) s : Data have been suppressed because the number covered was too small.

H.7 EMPLOYMENT AND GROSS MONTHLY STARTING SALARY OF ITE GRADUATES IN FULL-TIME PERMANENT EMPLOYMENT BY COURSE, 2020

Course	Fresh Graduates			Post-NS Graduates		
	Employment		Median Gross Monthly Starting Salary (\$)	Employment		Median Gross Monthly Starting Salary (\$)
	Number	Proportion (%)		Number	Proportion (%)	
Higher Nitec (Engineering)	77	41.6	1,700	426	58.5	2,250
Electrical Engineering	s	s	s	52	59.8	2,300
Electronics Engineering	s	s	s	81	50.3	2,200
Mechanical Engineering	s	s	s	73	61.9	2,300
Mechatronics Engineering	s	s	s	42	53.8	2,100
Higher Nitec (Business & Services)	122	34.7	1,737	175	53.5	2,300
Higher Nitec (Info & Communications Technology)	33	35.5	1,755	92	48.9	2,300
IT Systems & Network	s	s	s	51	54.3	2,300
Nitec (Engineering)	63	36.6	1,700	283	49.0	2,000
Mechanical Technology	s	s	s	39	50.0	1,963
Nitec (Business & Services)	200	40.1	1,700	130	55.3	2,013
Nursing	81	55.9	1,766	s	s	s
Nitec (Info & Communications Technology)	s	s	s	76	49.7	2,000

Source: Graduate Employment Survey conducted by Institute of Technical Education

Notes :

- 1) Data covered graduates who completed their full-time training in December 2019 and March 2020, and were surveyed on their employment status as at July 2020 and October 2020 respectively (i.e. approximately 6 months after completing their final examinations).
- 2) Fresh graduates refer to those who had completed their studies in the year, comprising mostly females and males who are not liable for National Service (NS) after graduation.
- 3) Post-NS graduates refer to male graduates who had completed their studies in 2017/2018 and their full-time NS between Jul 2019 and Jun 2020.
- 4) Employment Number refers to the actual number of employed persons who responded to the survey and indicated they were employed on a full-time permanent basis as at 1 July/October 2020.
- 5) Employment Proportion refers to the full-time permanently employed as a proportion of graduates who have entered the labour market as at 1 July/October 2020, approximately 6 months after completing their final examinations.
- 6) Full-time permanent employment refers to employment of at least 35 hours a week and where the employment is not temporary. It includes those on contracts of one year or more.
- 7) Gross monthly starting salary comprises the basic salary, fixed allowances, overtime pay and commissions. Bonuses are excluded.
- 8) s : Data have been suppressed because the number covered was too small.

**H.8 SECONDARY SCHOOL GRADUATES WHO COMPLETED FULL-TIME AND TRAINEESHIP PROGRAMMES
AT INSTITUTE OF TECHNICAL EDUCATION, 2010 – 2020**

Type of Training	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	11,608	11,427	11,813	12,183	11,398	13,680	12,800	13,111	13,643	12,811	13,346
Engineering											
Technical Engineer Diploma	42	40	40	75	46	52	48	58	66	70	92
Higher National ITE Certificate (<i>Higher Nitec</i>)	1,857	1,765	1,792	1,765	1,820	2,196	2,265	2,489	2,600	2,599	2,842
National ITE Certificate (<i>Nitec</i>)	3,802	3,824	4,063	3,967	4,019	4,344	3,605	3,555	3,844	3,247	3,329
Business and Services											
Technical Diploma	*	*	*	19	15	17	18	17	19	14	45
Higher National ITE Certificate (<i>Higher Nitec</i>)	1,688	1,682	1,806	1,962	2,017	2,163	2,176	1,981	2,119	2,356	2,324
National ITE Certificate (<i>Nitec</i>)	2,558	2,496	2,467	2,781	1,829	3,052	2,915	3,078	3,081	2,847	2,911
Info-Communications Technology											
Higher National ITE Certificate (<i>Higher Nitec</i>)	508	478	549	549	523	692	744	830	769	719	862
National ITE Certificate (<i>Nitec</i>)	1,153	1,142	1,096	1,065	1,129	1,164	1,029	1,103	1,145	959	941

Source : Institute of Technical Education

* Refers to course not offered under the certificate level.

H.9 WORKERS WHO COMPLETED SKILLS TRAINING PROGRAMMES AT INSTITUTE OF TECHNICAL EDUCATION, 2010 – 2020

Type of Training	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	5,522	4,958	4,026	3,980	4,281	3,855	2,578	2,949	2,993	2,797	2,336
Engineering											
Higher National ITE Certificate (<i>Higher Nitec</i>)	161	113	135	192	195	158	192	189	170	174	133
Specialist National ITE Certificate (<i>Specialist Nitec</i>)	-	-	-	-	-	-	-	8	-	-	-
National ITE Certificate (<i>Nitec</i>)	656	280	329	542	571	521	310	298	370	292	198
ITE Skills Certificate (ISC)	3,508	3,384	2,679	2,188	2,526	2,363	1,127	1,722	1,342	1,357	1,166
Business and Services											
Higher National ITE Certificate (<i>Higher Nitec</i>)	386	240	150	119	105	104	79	92	86	111	120
National ITE Certificate (<i>Nitec</i>)	261	203	155	503	343	214	204	197	330	184	151
ITE Skills Certificate (ISC)	518	709	550	410	503	468	607	365	623	602	522
Info-Communications Technology											
Higher National ITE Certificate (<i>Higher Nitec</i>)	8	9	13	13	24	13	15	30	18	22	23
National ITE Certificate (<i>Nitec</i>)	24	20	15	13	14	14	44	48	54	55	23

Source : Institute of Technical Education

Notes :

- 1) Data refer to the number of workers who graduated or completed their programmes, unless otherwise stated.
- 2) Data exclude other short and customised courses not classified within the stated categories.

H.10 PERSONS WHO COMPLETED CONTINUING ACADEMIC EDUCATION COURSES AT INSTITUTE OF TECHNICAL EDUCATION, 2010 – 2020

Type of Training	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Continuing Education (Secondary)	2,355	1,925	1,957	1,091	930	772	853	755	726	725	599

Source: Institute of Technical Education

Note :

Data refer to the number of continuing academic education places taken up and completed by workers.

H.11 PERSONS WHO PASSED SKILLS EVALUATION TESTS AT INSTITUTE OF TECHNICAL EDUCATION, 2010 – 2020

Type of Training	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	3,259	2,792	2,819	2,484	1,615	1,253	831	651	333	655	253
Skills Evaluation Test Level 2	327	240	175	172	139	16	-	32	-	-	-
Skills Evaluation Test Level 1	2,932	2,552	2,644	2,312	1,476	1,237	831	619	333	655	253

Source : Institute of Technical Education

**H.12 SINGAPORE WORKFORCE SKILLS QUALIFICATIONS (WSQ) TRAINEES BY AGE,
HIGHEST QUALIFICATION ATTAINED AND SEX, 2011 – 2020**

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL	192,249	198,322	231,009	267,423	267,655	289,699	310,491	327,996	322,843	262,905
Age (Years)										
Under 20	10,860	11,575	13,641	14,221	16,016	13,515	18,597	21,607	24,591	18,203
20 – 29	37,056	40,260	45,947	52,170	54,876	56,649	65,219	61,703	62,223	54,574
30 – 39	44,643	46,722	52,223	56,622	56,326	57,849	56,487	56,205	55,112	47,662
40 – 49	44,489	43,950	50,793	56,065	53,375	58,179	58,635	60,570	59,617	50,916
50 – 59	38,461	37,916	45,233	54,096	50,673	56,543	58,822	63,575	60,728	48,648
60 – 69	13,560	14,812	18,990	27,614	29,108	36,787	40,638	47,828	45,307	33,343
70 & Over	3,180	3,087	4,182	6,635	7,281	10,177	12,093	16,508	15,265	9,559
Highest Qualification Attained										
Below Primary	5,695	5,531	8,863	12,074	16,136	16,454	16,993	21,309	15,730	9,066
Primary	28,343	28,516	26,391	33,538	25,031	25,732	24,546	24,872	18,092	12,215
Lower Secondary	27,824	22,120	26,606	30,313	27,975	31,491	34,274	36,776	32,246	22,193
Secondary	54,012	55,977	60,134	64,020	60,786	64,041	67,141	70,332	64,197	52,677
Post Secondary	12,663	17,318	20,601	21,856	25,276	27,755	32,080	29,183	27,840	26,533
Professional Qualification and Other Diploma	8,624	9,620	10,744	14,030	11,839	14,634	15,057	14,963	19,004	15,021
Polytechnic Diploma	17,224	19,790	24,144	26,612	31,610	32,133	41,764	42,125	36,999	36,780
Degree & Above	23,926	27,144	34,032	45,011	48,395	56,295	57,893	59,478	60,014	47,513
Modular Certification	na	na	na	na	na	na	na	1,241	15,348	12,340
Others/ Not Reported	13,938	12,306	19,494	19,969	20,607	21,164	20,743	27,717	33,373	28,567
Sex										
Female	98,582	101,438	109,391	120,818	122,291	133,816	134,715	142,266	138,469	111,917
Male	90,364	95,154	119,170	144,166	143,142	153,730	173,394	183,670	182,589	148,826
Not Reported	3,303	1,730	2,448	2,439	2,222	2,153	2,382	2,060	1,785	2,162

Source : SkillsFuture Singapore

Notes :

- 1) Data pertains to local WSQ trainees who have attained at least one WSQ Statement of Attainment.
- 2) Tracking of Modular Certification started in September 2018.
- 3) From 2020 onwards, Highest Qualification Attained are classified according to the Singapore Standard Educational Classification (SSEC) 2020.

H.13 SINGAPORE WORKFORCE SKILLS QUALIFICATIONS (WSQ) TRAINEES BY LEVEL OF WSQ STATEMENT OF ATTAINMENT, 2011 – 2020

Level of WSQ Statement of Attainment	Number									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Total	192,249	198,322	231,009	267,423	267,655	289,699	310,491	327,996	322,843	262,905
Certificate	147,901	155,148	164,867	188,700	190,680	203,627	220,810	226,721	179,164	128,567
Higher Certificate	11,678	7,294	11,146	10,728	13,457	15,743	17,478	26,856	83,413	87,620
Advanced Certificate	48,433	31,628	45,699	55,944	50,727	60,041	61,907	71,782	70,269	71,382
Diploma	23,363	19,771	32,873	36,117	35,887	41,918	46,436	52,796	49,483	47,047
Specialist Diploma	5,417	5,760	7,604	8,790	7,902	9,514	10,986	14,664	12,117	11,966
Graduate Certificate	1,029	751	784	756	483	580	488	594	774	794
Graduate Diploma	390	393	550	738	847	980	1,007	653	406	1,673

Source : SkillsFuture Singapore

Notes :

1) Data pertains to local WSQ trainees who have attained at least one WSQ Statement of Attainment.

2) Figures for each certification level are based on unique headcounts. That is, a trainee with more than one WSQ Statement of Attainment of the same certification level is counted once. A trainee with more than one WSQ Statement of Attainment at different certification levels is counted once in each certification level. Total refers to unique trainee headcounts across all certification levels.

H.14 PROFESSIONAL CONVERSION PROGRAMME (PCP) PLACEMENTS, 2012 – 2020

	Number								
	2012	2013	2014	2015	2016	2017	2018	2019	2020
Number of Placements	810	1,052	994	881	1,331	3,773	4,973	4,450	6,276

Source : Workforce Singapore

Note :

PCPs run by Employment and Employability Institute (e2i) are included from 2016 onwards.

H.15 KEY INDICATORS OF EMPLOYMENT AND EMPLOYABILITY INSTITUTE (e2i), 2010 – 2020

	Number										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Total Number of Workers Assisted	40,466	45,985	58,024	65,439	81,898	81,362	84,057	79,816	106,354	120,744	34,546
Number of Workers Placed	14,716	19,287	11,752	10,434	8,741	9,488	10,017	10,561	11,221	13,393	15,595
Number of Workers Upgraded in Jobs	25,750	26,698	46,272	55,005	73,157	71,874	74,040	69,255	95,133	107,351	18,951

Source : National Trades Union Congress



Key Economic Indicators



I.1 CHANGE IN VALUE ADDED PER WORKER BY INDUSTRY¹, 2010 – 2020

Industry (SSIC 2015)	Per Cent										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL²	10.7	2.6	0.5	0.7	0.2	0.8	2.3	4.7	2.8	-0.2	-3.4
Total² (excluding Construction)	11.0	2.6	0.9	1.6	0.2	0.6	2.4	4.1	2.1	-0.4	-2.4
Goods Producing Industries	23.2	5.3	-2.0	-3.2	1.1	-2.1	3.9	12.2	8.5	-0.9	4.2
Manufacturing	30.3	7.4	-0.6	0.2	2.5	-2.7	6.9	13.8	8.3	-0.9	11.3
Construction	4.4	0.6	1.8	-6.6	2.9	4.2	-1.7	2.0	5.1	0.9	-33.4
Services Producing Industries	7.1	2.3	1.6	3.1	0.1	1.0	0.7	1.9	1.1	-0.1	-5.4
Wholesale & Retail Trade	14.0	4.2	3.6	3.3	1.0	2.7	0.5	2.3	2.2	-0.7	0.5
Transportation & Storage	4.4	2.9	1.0	-0.9	-1.3	0.4	0.3	3.0	-2.8	-1.6	-24.3
Accommodation & Food Services	8.5	5.8	1.0	0.4	-1.7	-3.5	1.7	-0.5	2.6	-2.9	-20.5
Information & Communications	0.4	-2.1	2.4	2.7	2.0	-5.1	2.2	5.9	0.8	6.1	-0.3
Finance & Insurance	10.0	1.4	1.8	13.6	4.6	1.0	-1.1	3.7	3.6	4.9	2.6
Real Estate, Professional Services And Administrative & Support Services	2.7	1.7	-0.4	0.9	-3.2	4.2	3.2	-0.1	0.6	-4.7	-12.7
Other Services Industries	6.7	1.0	-0.3	-1.2	-0.7	-1.3	0.4	0.8	-0.2	1.1	-8.0

Sources : Singapore Department of Statistics and
Manpower Research and Statistics Department,
Ministry of Manpower

¹ Based on Gross Value Added in Chained (2015) Dollars.

² Based on Gross Domestic Product in Chained (2015) Dollars.

I.2 CHANGE IN VALUE ADDED PER ACTUAL HOUR WORKED BY INDUSTRY¹, 2010 – 2020

Industry (SSIC 2015)	Per Cent										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TOTAL²	9.0	4.3	0.3	1.1	1.8	2.0	2.8	5.5	4.0	-1.3	1.3
Manufacturing	26.1	9.3	-1.1	0.7	3.9	-1.5	8.0	14.9	9.8	-2.1	18.3
Construction	3.0	1.5	0.8	-7.0	4.3	6.6	-2.0	4.6	6.2	1.1	-14.0
Wholesale & Retail Trade	12.1	7.1	2.8	4.7	3.6	3.9	1.7	3.0	3.6	-2.2	4.6
Transportation & Storage	2.9	5.1	1.6	-0.3	0.6	-0.1	2.1	4.0	-0.4	-2.7	-22.1
Accommodation & Food Services	7.7	8.7	0.5	1.7	0.3	-0.8	2.4	0.1	5.5	-2.7	-17.8
Information & Communications	-2.2	-0.4	2.4	3.3	4.5	-4.3	3.4	4.5	2.4	3.4	0.4
Finance & Insurance	6.9	3.1	2.1	14.0	5.9	2.2	0.6	4.2	4.3	3.1	2.6
Real Estate, Professional Services And Administrative & Support Services	1.8	2.7	-0.4	1.2	-1.5	5.9	4.3	0.8	1.5	-6.0	-12.1
Other Services Industries	6.4	2.2	0.3	-1.0	0.6	-0.8	-0.1	0.9	0.4	0.2	-7.0

Sources : Ministry of Trade and Industry and
Manpower Research and Statistics Department,
Ministry of Manpower

¹ Based on Gross Value Added in Chained (2015) Dollars.

² Based on Gross Domestic Product in Chained (2015) Dollars.

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