



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

LAPORAN SURVEI TENAGA BURUH

LABOUR FORCE SURVEY REPORT

2023



JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA



KEMENTERIAN EKONOMI
MINISTRY OF ECONOMY

LAPORAN SURVEI TENAGA BURUH

LABOUR FORCE SURVEY REPORT

MALAYSIA

2023

Pemakluman

Jabatan Perangkaan Malaysia (DOSM) telah melancarkan OpenDOSM NextGen sebagai medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data dan boleh diakses melalui portal <https://open.dosm.gov.my>.

DOSM sedang menjalankan Banci Pertanian 2024. Sila layari <https://www.myagricensus.gov.my> untuk maklumat lanjut. Tema adalah "Banci Pertanian, Kunci Kemajuan Pertanian".

Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Statistik Nadi Kehidupan". DOSM menyambut ulang tahun ke 75 Jubli Intan pada tahun 2024.

Announcement

The Department of Statistics Malaysia (DOSM) has launched OpenDOSM NextGen as a medium that provides a catalogue of data and visualisations to facilitate users' analysis of various data and can be accessed through <https://open.dosm.gov.my>.

DOSM is conducting the Agriculture Census 2024. Please visit <https://www.myagricensus.gov.my> for more information. The theme is "Agriculture Census, Key to Agricultural Development".

The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20th each year. MyStats Day theme is "Statistics is the Essence of Life". DOSM commemorates its 75th Diamond Jubilee in 2024.

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KATA PENGANTAR

Laporan Survei Tenaga Buruh, Malaysia, 2023 membentangkan statistik tahunan berkaitan tenaga buruh, guna tenaga dan pengangguran yang diperolehi daripada Survei Tenaga Buruh (STB). Laporan ini juga membekalkan statistik utama tenaga buruh mengikut ciri-ciri demografi dan sosioekonomi antaranya jantina, kumpulan umur, strata bandar dan luar bandar, kumpulan etnik, pencapaian pendidikan, pekerjaan dan industri. Selain itu, indikator penduduk bekerja kurang dari 30 jam seminggu, guna tenaga tidak penuh berkaitan masa dan guna tenaga tidak penuh berkaitan kemahiran turut dimuatkan dalam penerbitan ini. Pelaksanaan STB adalah berdasarkan garis panduan dan syor oleh *International Labour Organization (ILO)* dengan merujuk kepada *Surveys of Economically Active Population, Employment, Unemployment and Underemployment: An ILO Manual on Concepts and Methods*.

Statistik tenaga buruh merupakan maklumat penting yang digunakan sebagai input untuk menganalisis pasaran buruh, menggubal dasar serta merancang, melaksana dan memantau program berkaitan pembangunan sumber manusia. Statistik ini juga menjadi rujukan penting kepada penyelidik, ahli ekonomi, ahli akademik, pihak swasta dan individu dalam kajian berkaitan guna tenaga dan pasaran buruh.

Penerbitan ini mengandungi tiga bahagian utama. Bahagian pertama memaparkan statistik utama dan ringkasan penemuan. Jadual statistik terperinci dipaparkan di bahagian kedua. Manakala, bahagian ketiga pula menerangkan aspek teknikal seperti skop & liputan, konsep & definisi, serta pembolehubah utama yang digunakan bagi memudahkan pengguna memahami statistik yang diterbitkan.

Jabatan Perangkaan Malaysia merakamkan setinggi-tinggi penghargaan kepada responden dan semua pihak yang telah menyumbang kepada pelaksanaan survei dan penyediaan penerbitan ini. Pandangan dan cadangan ke arah penambahbaikan penerbitan ini pada masa hadapan amat dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN

Ketua Perangkawan Malaysia

Julai 2024

PREFACE

The Labour Force Survey Report, Malaysia, 2023 presents the annual statistics of labour force, employment and unemployment obtained from the Labour Force Survey (LFS). This report also provides principal statistics of the labour force according to demographic and socioeconomic characteristics such as sex, age group, urban and rural strata, ethnic groups, educational attainment, occupation and industry. In addition, indicators of employed persons working less than 30 hours per week, time-related underemployment and skill-related underemployment were also included in this publication. The implementation of LFS are based on the guidelines and recommendations of the International Labour Organization (ILO) with reference to the Surveys of Economically Active Population, Employment, Unemployment and Underemployment: An ILO Manual on Concepts and Methods.

The labour force statistics were an important information which were used as an input for labour market analysis, policy formulation as well as planning, implementing and monitoring programmes related to human resource development. These statistics also serve as an essential reference to researcher, economists, academicians, private sector and individuals in research related to employment and the labour market.

This publication is divided into three parts. The first part presents the principal statistics and summary of findings. The detailed statistical tables are provided in the second part. Meanwhile, the third part describes technical aspects such as scope & coverage, concepts & definitions as well as the key variables used to assist users in understanding the published statistics.

The Department gratefully acknowledges the cooperation and contribution rendered by all parties in making this publication a success. Every feedback and suggestion towards improving future reports is highly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN

Chief Statistician Malaysia

July 2024

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GLOSARI

Aktiviti ekonomi	: Klasifikasi industri mengikut Piawaian Klasifikasi Industri Malaysia (MSIC) 2018 Versi 1.0 kepada lima sektor utama iaitu Pertanian, Perlombongan & Pengkuarian, Pembuatan, Pembinaan dan Perkhidmatan. Manakala sektor Pembuatan dan Perkhidmatan dibahagikan kepada subsektor.
Bekerja	: Semua orang yang bekerja sekurang-kurangnya sejam semasa minggu rujukan untuk mendapatkan upah, keuntungan atau keuntungan keluarga sama ada sebagai majikan, pekerja, bekerja sendiri atau pekerja keluarga tanpa gaji.
Bekerja sendiri	: Seorang yang mengusahakan ladang, perniagaan atau perusahaan sendiri tanpa menggaji pekerja di ladang, perniagaan atau perusahaannya.
Guna tenaga tidak penuh berkaitan kemahiran	: Mereka yang mempunyai pendidikan tertiar dan bekerja dalam kategori separuh mahir dan berkemahiran rendah.
Guna tenaga tidak penuh berkaitan masa	: Kumpulan yang bekerja kurang daripada 30 jam semasa minggu rujukan disebabkan keadaan kerja atau kerja yang tidak mencukupi dan berkeupayaan serta sanggup menerima tambahan bilangan jam bekerja. Mereka yang bekerja lebih daripada 30 jam semasa minggu rujukan merupakan guna tenaga penuh.
Kadar pengangguran	: Perkadaran penduduk yang menganggur kepada jumlah penduduk di dalam tenaga buruh, kadar ini mengukur peratus penduduk di dalam tenaga buruh yang tidak bekerja.
Kadar penyertaan tenaga buruh	: Perkadaran penduduk dalam tenaga buruh kepada penduduk dalam umur bekerja dalam bentuk peratusan.
Kategori kemahiran	: Untuk tujuan pelaporan, kategori pekerjaan di kelaskan kepada tiga tahap kemahiran mengikut Piawaian Pengelasan Pekerjaan Malaysia (MASCO) 2013 mengikut Mahir - 1. Pengurus; 2. Profesional; 3. Juruteknik dan profesional bersekutu; Separuh mahir - 4. Pekerja sokongan pengkeranian; 5. Pekerja perkhidmatan dan penjualan; 6. Pekerja mahir pertanian, perhutanan dan perikanan; 7. Pekerja kemahiran dan pekerja pertukangan yang berkaitan; 8. Operator loji dan mesin serta pemasangan; Berkemahiran rendah - 9. Pekerjaan asas.
Luar tenaga buruh	: Penduduk yang tidak dikelaskan sebagai bekerja atau menganggur dikategorikan sebagai luar tenaga buruh. Kategori ini terdiri daripada suri rumah, pelajar (termasuk mereka yang akan melanjutkan pelajaran), mereka yang telah bersara, tidak berkeupayaan dan mereka yang tidak berminat untuk mencari pekerjaan.

GLOSARI

Majikan	: Seorang yang menjalankan sesuatu perniagaan, perusahaan ladang atau perniagaan lain dan menggaji seorang pekerja atau lebih untuk menolongnya.
Menganggur	: Mereka yang tidak bekerja semasa minggu rujukan dan dikelaskan kepada dua kumpulan iaitu penganggur aktif dan penganggur tidak aktif.
Nisbah guna tenaga kepada penduduk	: Perkadaran penduduk yang bekerja kepada jumlah penduduk dalam kumpulan umur bekerja.
Pekerja	: Seorang yang bekerja untuk majikan sektor awam atau swasta dan menerima ganjaran tetap seperti upah, gaji, komisen, tip atau ganjaran berbentuk mata benda.
Pekerja keluarga tanpa gaji	: Seorang yang bekerja tanpa menerima sebarang bayaran atau upah di ladang, perniagaan atau perusahaan yang dijalankan oleh ahli keluarganya yang lain.
Penganggur aktif	: Mereka yang bersedia untuk bekerja dan aktif mencari pekerjaan dalam minggu rujukan.
Penganggur tidak aktif	: Tidak mencari pekerjaan dalam minggu rujukan kerana percaya tidak terdapat pekerjaan atau pun tidak berkecayaan; mungkin mencari pekerjaan jika tidak kerana sakit atau keadaan cuaca; dan telah mencari pekerjaan sebelum minggu rujukan dan sedang menunggu jawapan permohonan pekerjaan.
Tenaga buruh	: Tenaga buruh merujuk kepada penduduk dalam kumpulan umur bekerja (15 - 64 tahun) sama ada bekerja atau menganggur.

AKRONIM

B40	: Pendapatan isi rumah kumpulan bawah 40%
BNM	: Bank Negara Malaysia
BP	Blok Penghitungan
CATI	: <i>Computer-Assisted Telephone Interviewing</i>
DOSM	: Jabatan Perangkaan Malaysia
FDI	: Pelaburan Langsung Asing
ILO	: <i>International Labour Organizations</i>
IMF	: Tabung Kewangan Antarabangsa
KDNK	: Keluaran Dalam Negeri Kasar
KPTB	: Kadar Penyertaan Tenaga Buruh
MADANI	: Kemampanan, Kesejahteraan, Daya Cipta, Hormat, Keyakinan, dan Ihsan
M40	: Pendapatan isi rumah kumpulan pertengahan 40%
KSP RMK12	: Kajian Separuh Penggal Rancangan Malaysia Kedua Belas
NETR	: Pelan Hala Tuju Peralihan Tenaga Negara
NIMP 2030	: Pelan Induk Perindustrian Baharu 2030
PERKESO	: Pertubuhan Keselamatan Sosial
PMKS	: Perusahaan Mikro, Kecil dan Sederhana
STB	: Survei Tenaga Buruh
TK	: Tempat Kediaman
WEO	: <i>World Economic Outlook</i>

GLOSSARY

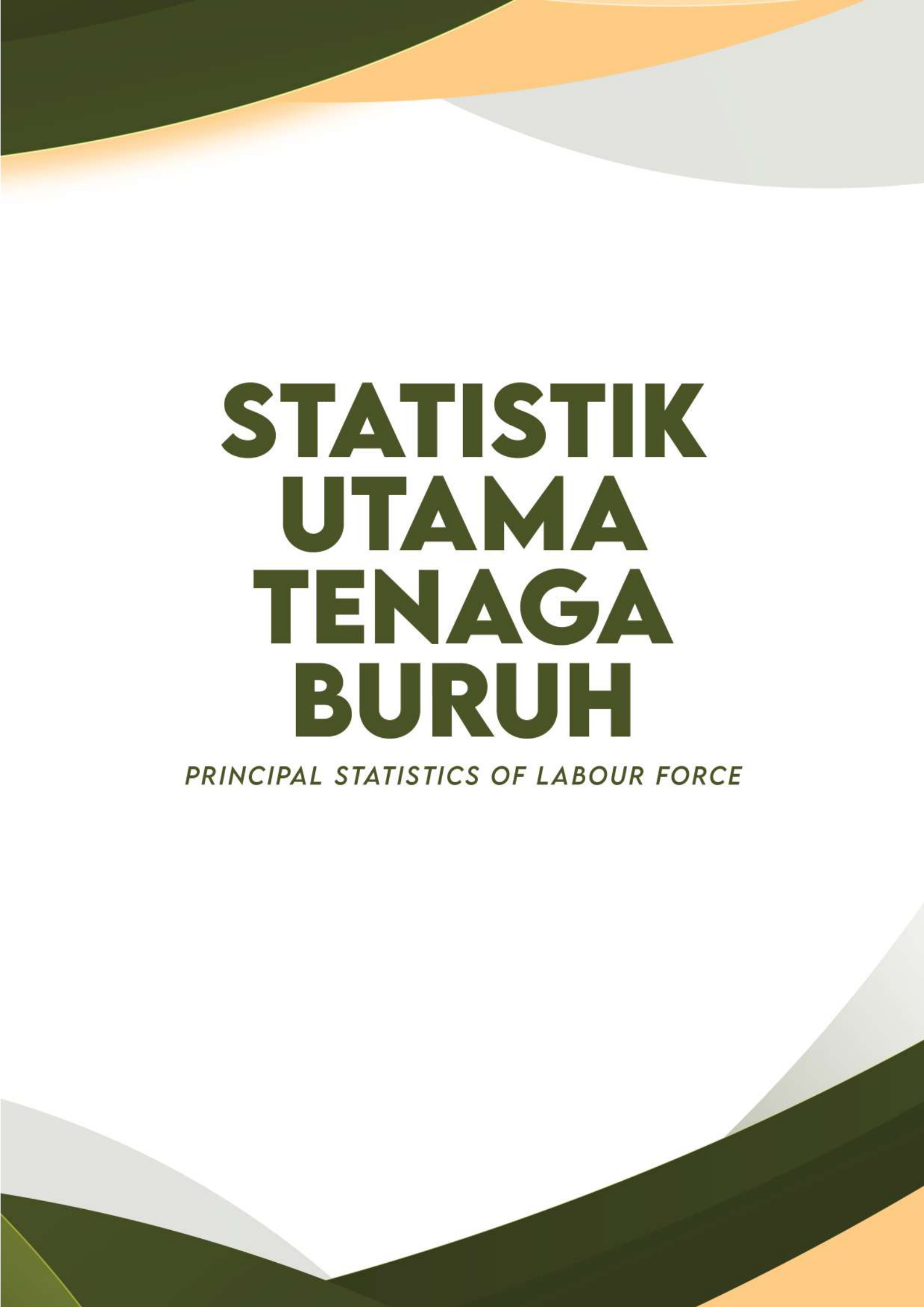
<i>Actively unemployed</i>	: Persons who were available for work and were actively looking for work during the reference week.
<i>Category of skills</i>	: For reporting purpose, the category of occupation is regrouped into three levels of skills based on the Malaysia Standard Classification of Occupation (MASCO) 2013 namely <i>Skilled workers</i> - 1. Managers; 2. Professionals; 3. Technicians and associate professionals; <i>Semi-skilled workers</i> - 4. Clerical support workers; 5. Services and sales workers; 6. Skilled agricultural, forestry, livestock, and fishery workers; 7. Craft and related trades workers; 8. Plant and machine operators and assemblers; <i>Low-skilled workers</i> - 9. Elementary occupations.
<i>Economic activity</i>	: Classification of industries according to the Malaysia Standard Industrial Classification (MSIC) 2008 version 1.0 into five main sectors namely Agriculture, Mining & Quarrying, Manufacturing, Construction and Services. In the meantime, Manufacturing and Services are further disaggregated into subsectors.
<i>Employed</i>	: All persons who, at any time during the reference week worked at least one hour for pay, profit or family gain either as an employer, employee, own-account worker or unpaid family worker.
<i>Employee</i>	: A person who works for a public or private employer and receives regular remuneration in wages, salary, commission, tips or payment in kind.
<i>Employer</i>	: A person who operates a business, a plantation or other trade and employs one or more workers to help him.
<i>Employment-to-population ratio</i>	: The proportion of employed population to working-age population.
<i>Inactively unemployed</i>	: Did not look for work because they believed no work was available or that they were not qualified; would have looked for work if they had not been temporarily ill or had it not been for weather condition; and had looked for work prior to the reference week and were waiting for result of job applications.
<i>Labour force</i>	: Labour force refers to population in the working age group (15 to 64 years) who are either employed or unemployed.
<i>Labour force participation rate</i>	: The ratio of labour force to the working-age population, expressed as a percentage.

GLOSSARY

<i>Outside labour force</i>	: All persons not classified as employed or unemployed are classified as outside labour force. This category consists of housewives, students (including those going for further studies), retired, disabled persons and those not interested in looking for a job.
<i>Own account worker</i>	: A person who operates his own farm, business or trade without employing any paid workers in the conduct of his farm, trade or business.
<i>Skill-related underemployment</i>	: Those with tertiary education and working in the semi-skilled and low-skilled categories.
<i>Time-related underemployment</i>	: A group of people who employed less than 30 hours during the reference week because of the nature of their work or due to insufficient work and are able and willing to accept additional hours of work. Persons who were employed more than 30 hours during the reference week are considered to be in full employment.
<i>Unemployed</i>	: Those who did not work during the reference week but are interested to work and seeking for a job. Classified into two groups which are actively and inactively unemployed.
<i>Unemployment rate</i>	: The proportion of the unemployed population to the total population in labour force, expressed as a percentage.
<i>Unpaid family worker</i>	: A person who works without pay or wages on a farm, business or trade operated by another member of the family.

ACRONYMS

<i>B40</i>	: <i>Below 40% of households income</i>
<i>BNM</i>	: <i>Bank Negara Malaysia</i>
<i>CATI</i>	: <i>Computer-Assisted Telephone Interviewing</i>
<i>DOSM</i>	: <i>Department of Statistics, Malaysia</i>
<i>EB</i>	: <i>Enumeration Block</i>
<i>FDI</i>	: <i>Foreign Domestic Investment</i>
<i>GDP</i>	: <i>Gross Domestic Product</i>
<i>ILO</i>	: <i>International Labour Organizations</i>
<i>IMF</i>	: <i>The International Monetary Fund</i>
<i>LFPR</i>	: <i>Labour Force Participation Rate</i>
<i>LFS</i>	: <i>Labour Force Survey</i>
<i>LQs</i>	: <i>Living Quarters</i>
<i>MADANI</i>	: <i>Sustainability, Prosperity, Innovation, Respect, Trust, and Compassion</i>
<i>M40</i>	: <i>Middle 40% of household incomes</i>
<i>MSMEs</i>	: <i>Micro, Small and Medium-Sized Enterprises</i>
<i>MTR 12MP</i>	: <i>Mid-Term Review of the Twelfth Malaysia Plan</i>
<i>NETR</i>	: <i>National Energy Transition Roadmap</i>
<i>NIMP 2030</i>	: <i>New Industrial Master Plan 2030</i>
<i>PERKESO</i>	: <i>Social Security Organisation</i>
<i>WEO</i>	: <i>World Economic Outlook</i>



STATISTIK UTAMA TENAGA BURUH

PRINCIPAL STATISTICS OF LABOUR FORCE



STATISTIK TENAGA BURUH 2023

Tenaga buruh Malaysia pada 2023 meningkat sebanyak 3.8 peratus mencatatkan 16.37 juta orang. Perkembangan yang positif ini disumbangkan oleh peningkatan dalam bilangan penduduk bekerja dan penurunan dalam bilangan penganggur. Kadar pengangguran menurun 0.5 mata peratus kepada 3.4 peratus dengan 553.4 ribu penganggur.

TENAGA BURUH

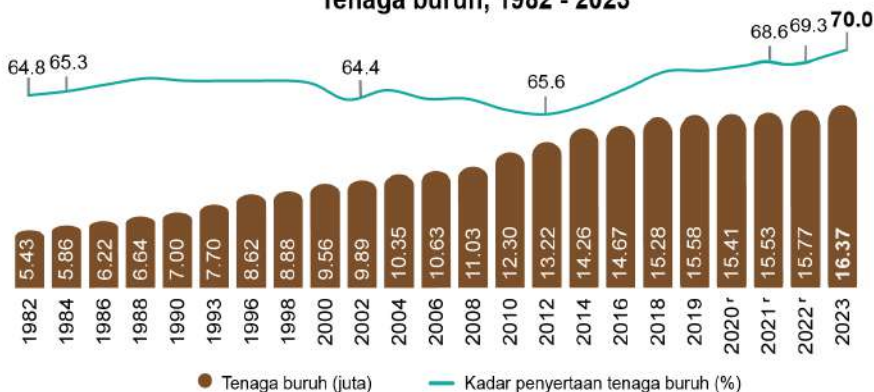


16.37 juta

▲ 3.8%

2022^r : 15.77 juta
2021^r : 15.53 juta

Tenaga buruh, 1982 - 2023



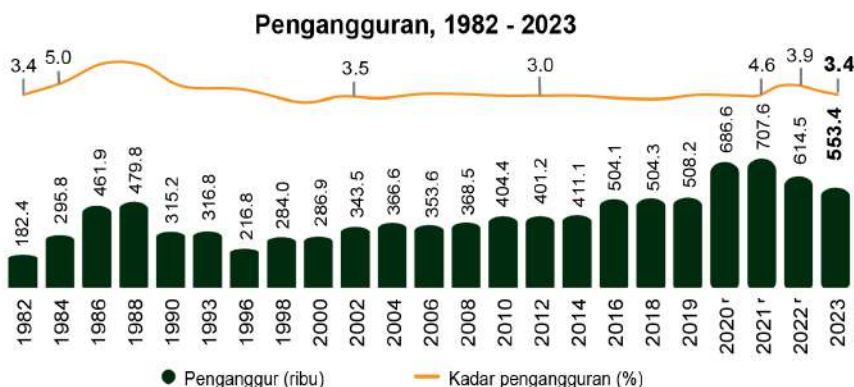
KADAR PENYERTAAN TENAGA BURUH

70.0%

2022^r : 69.3%
2021^r : 68.6%

▲ 0.7mp

PENGANGGUR



▼ 9.9%

553.4 ribu

2022^r : 614.5 ribu
2021^r : 707.6 ribu

KADAR PENGANGGURAN

3.4%

2022^r : 3.9%
2021^r : 4.6%

▼ 0.5mp

PENDUDUK BEKERJA

15.81 juta

2022^r : 15.16 juta
2021^r : 14.83 juta

▲ 4.3%

(%) Peratus perubahan (tahun ke tahun)
(mp) Mata peratus
(r) Semakan semula berdasarkan anggaran penduduk semasa daripada Banci Penduduk dan Perumahan 2020

LUAR TENAGA BURUH

7.00 juta

2022^r : 7.00 juta
2021^r : 7.10 juta

▼ 0.04%

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia (DOSM)



STATISTIK TENAGA BURUH 2023

PENDUDUK BEKERJA

Penduduk bekerja meningkat 4.3 peratus merekodkan 15.81 juta orang

BEKERJA



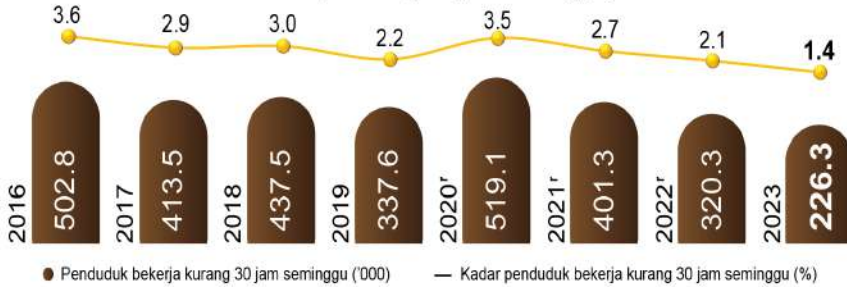
Penduduk bekerja mengikut pencapaian pendidikan



Penduduk bekerja mengikut tahap kemahiran



Penduduk bekerja kurang 30 jam seminggu, 2016 - 2023



Guna tenaga tidak penuh berkaitan masa, 2016 - 2023



Guna tenaga tidak penuh berkaitan kemahiran, 2016 - 2023



* Penduduk bekerja mengikut sektor

Pertanian



9.1%

2022^r : 9.3%

Perombongan & pengkuarian



0.6%

2022^r : 0.6%

Pembuatan



16.4%

2022^r : 16.5%

Pembinaan



8.1%

2022^r : 8.2%

Perkhidmatan



65.8%

2022^r : 65.4%

Penduduk bekerja mengikut taraf pekerjaan

Pekerja

78.5%

Bekerja sendiri

15.0%

Majikan

3.7%

Pekerja keluarga tanpa gaji

2.8%

* Nota : Angka dalam peratus bagi setiap sektor merujuk kepada peratus sumbangan kepada jumlah penduduk bekerja.

Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia (DOSM)

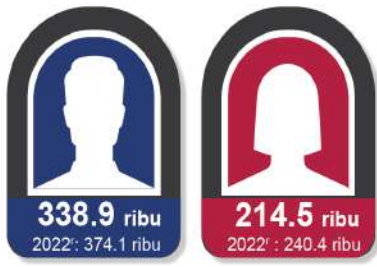


STATISTIK TENAGA BURUH 2023

PENGANGGUR

Kadar pengangguran pada tahun 2023 menurun kepada 3.4 peratus

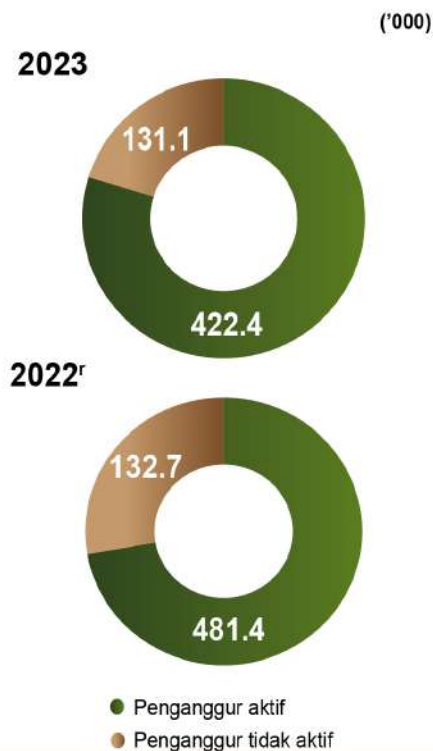
PENGANGGUR



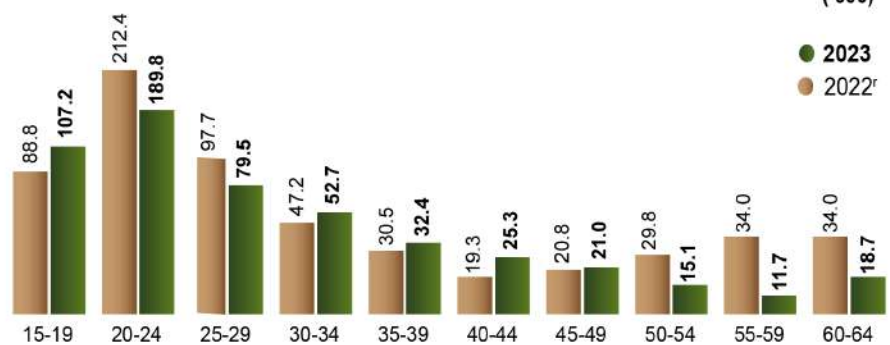
KADAR PENGANGGURAN



Kategori penganggur



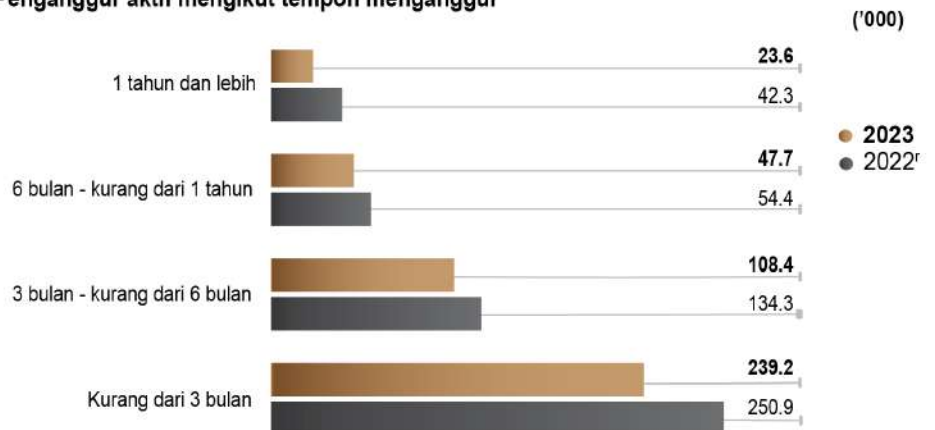
Penganggur mengikut kumpulan umur



Pengangguran belia, 2015-2023



Penganggur aktif mengikut tempoh menganggur



Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia (DOSM)



STATISTIK TENAGA BURUH 2023

LUAR TENAGA BURUH

Komposisi utama luar tenaga buruh mengikut jantina adalah golongan perempuan

LUAR TENAGA BURUH



Sebab utama luar tenaga buruh adalah disebabkan oleh kerja rumah/ tanggungjawab keluarga



Kerja rumah/ tanggungjawab keluarga

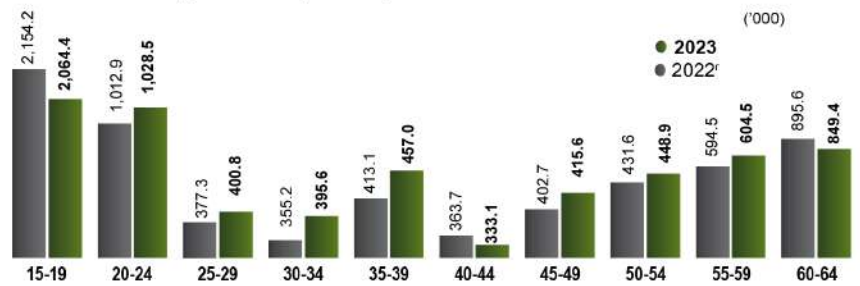
43.9%



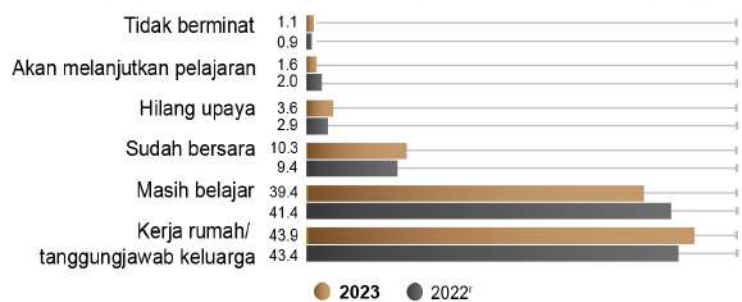
Bersekolah/ latihan

39.4%

Penduduk luar tenaga buruh mengikut kumpulan umur

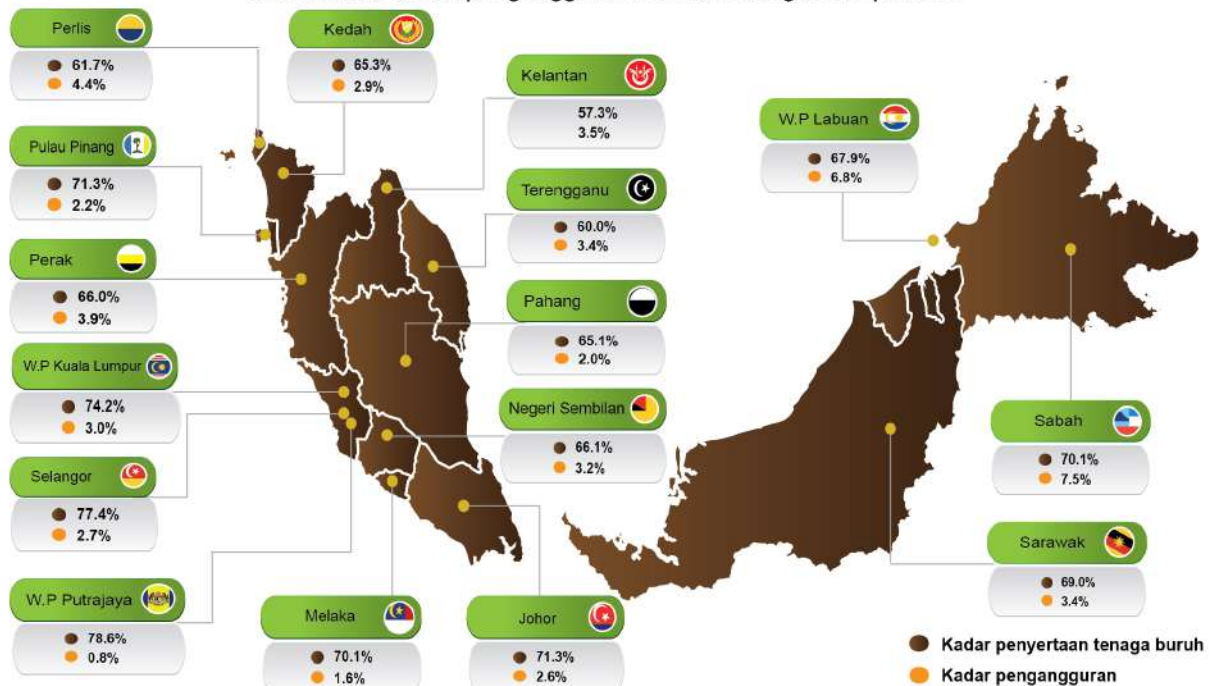


Peratus sumbangan penduduk luar tenaga buruh mengikut sebab tidak mencari pekerjaan (%)



KADAR PENYERTAAN TENAGA BURUH DAN KADAR PENGANGGURAN MENGIKUT NEGERI

W.P. Putrajaya merekodkan kadar penyertaan tenaga buruh tertinggi sebanyak 78.6 peratus dan mencatatkan kadar pengangguran terendah dengan 0.8 peratus.



Sumber: Survei Tenaga Buruh, Jabatan Perangkaan Malaysia (DOSM)



LABOUR FORCE STATISTICS 2023

Malaysia's labour force in 2023 edged up by 3.8 per cent to register 16.37 million persons. The positive growth was contributed by a surge in the number of employed persons and a reduction in the number of unemployed. The unemployment rate decreased by 0.5 percentage points to 3.4 per cent with 553.4 thousand unemployed persons.

LABOUR FORCE

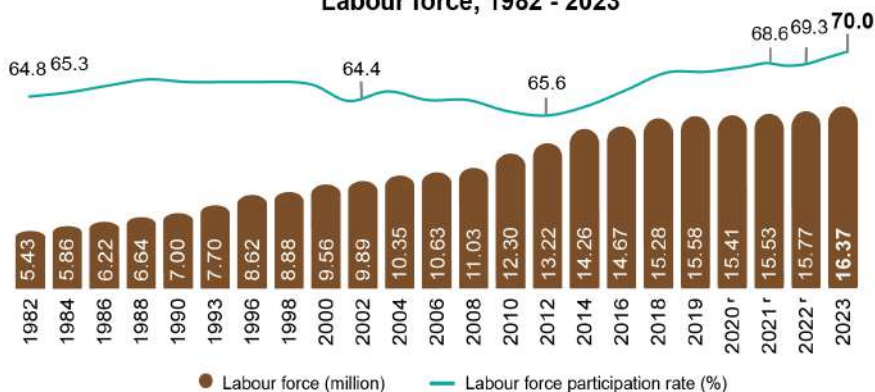


16.37 million

▲ 3.8%

2022^r : 15.77 million
2021^r : 15.53 million

Labour force, 1982 - 2023



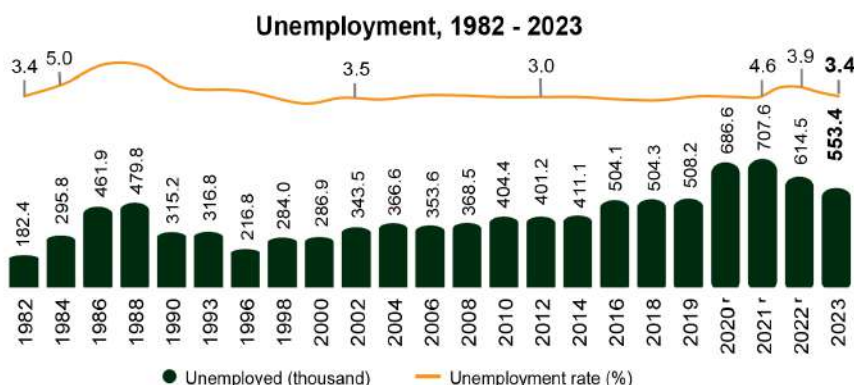
LABOUR FORCE PARTICIPATION RATE

70.0%

2022^r : 69.3%
2021^r : 68.6%

▲ 0.7pp

UNEMPLOYED



▼ 9.9%

553.4 thousand

2022^r : 614.5 thousand
2021^r : 707.6 thousand

UNEMPLOYMENT RATE

3.4%

2022^r : 3.9%
2021^r : 4.6%

▼ 0.5pp

EMPLOYED PERSON

15.81 million

2022^r : 15.16 million
2021^r : 14.83 million

▲ 4.3%

(%) Percentage change (year-on-year)
(pp) Percentage point
(r) Revision based on the current population estimates from Population and Housing Census 2020

OUTSIDE LABOUR FORCE

7.00 million

2022^r : 7.00 million
2021^r : 7.10 million

▼ 0.04%

Source: Labour Force Survey, Department of Statistics Malaysia (DOSM)



LABOUR FORCE STATISTICS 2023

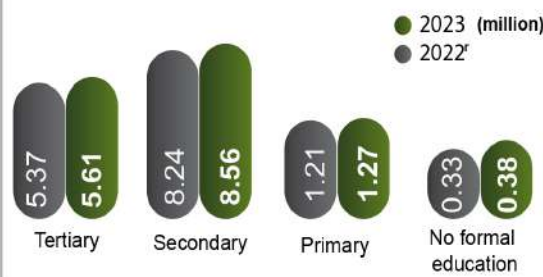
EMPLOYED PERSON

Employed person increased by 4.3 per cent to record 15.81 million persons

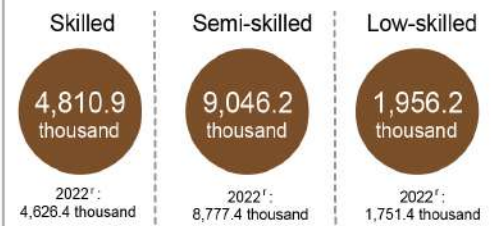
EMPLOYED



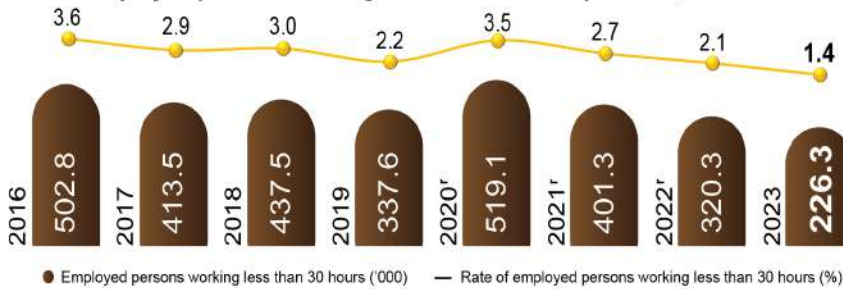
Employed person by educational attainment



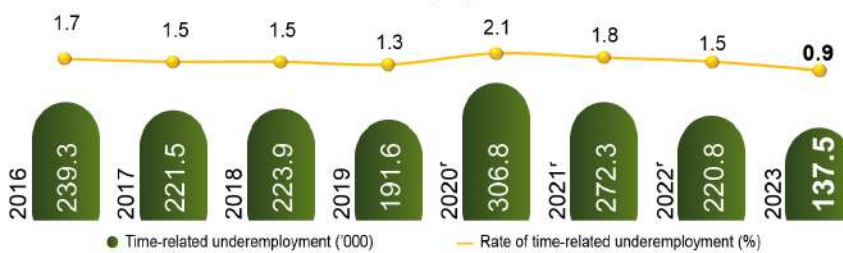
Employed person by skill level



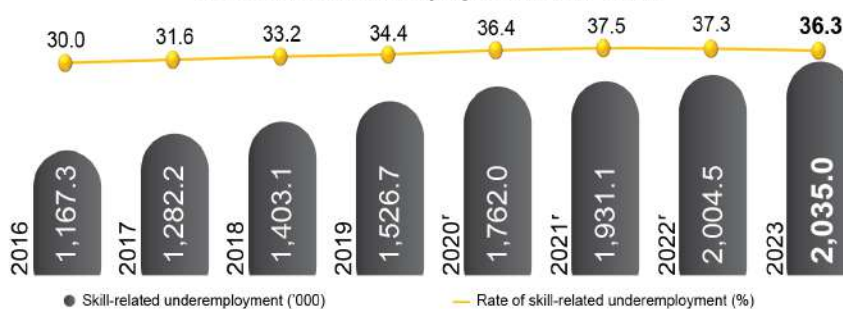
Employed persons working less than 30 hours per week, 2016 - 2023



Time-related underemployment, 2016 - 2023



Skill-related underemployment, 2016 - 2023



* Employed person by sector



Employed person by status of employment



* Note : Figures in percentage of each sector refers to the percentage share of the total number of employed persons.

Source: Labour Force Survey, Department of Statistics Malaysia (DOSM)



LABOUR FORCE STATISTICS 2023

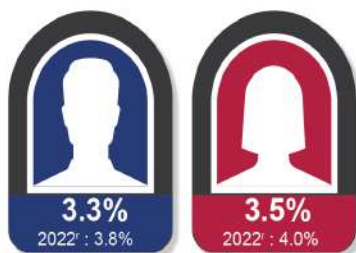
UNEMPLOYMENT

Unemployment rate in 2023 decreased to 3.4 per cent

UNEMPLOYED

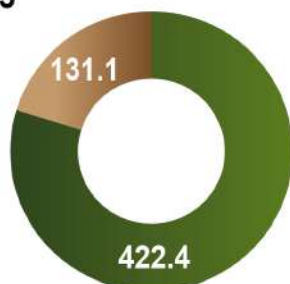


UNEMPLOYMENT RATE

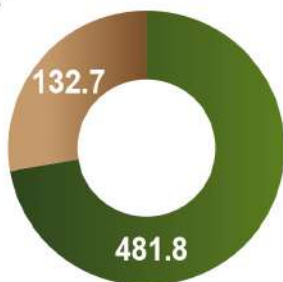


Unemployed category

2023

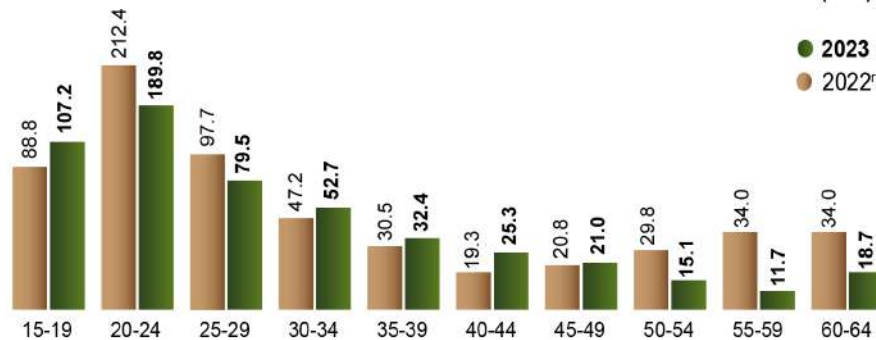


2022^r

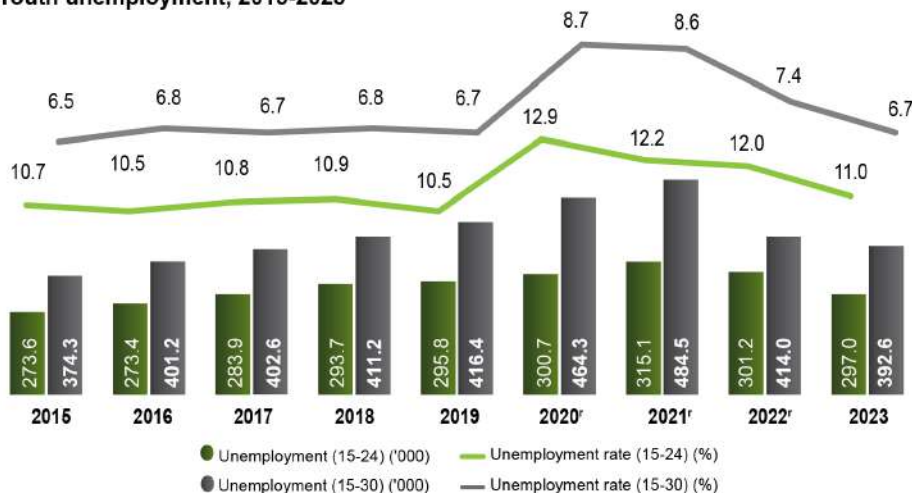


● Actively unemployed
● Inactively unemployed

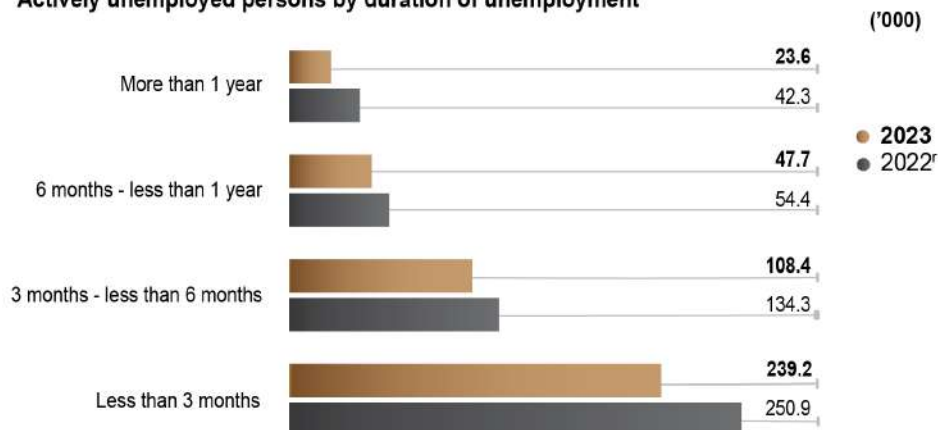
Unemployed by age group



Youth unemployment, 2015-2023



Actively unemployed persons by duration of unemployment



Source: Labour Force Survey, Department of Statistics Malaysia (DOSM)



LABOUR FORCE STATISTICS 2023

OUTSIDE LABOUR FORCE

The major composition of the outside labour force by sex was female

OUTSIDE LABOUR FORCE



The main reason for the outside labour force was due to housework/ family responsibilities



Housework/ family responsibilities

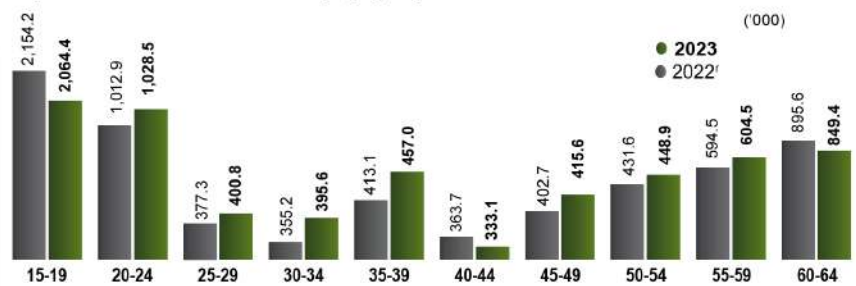
43.9%



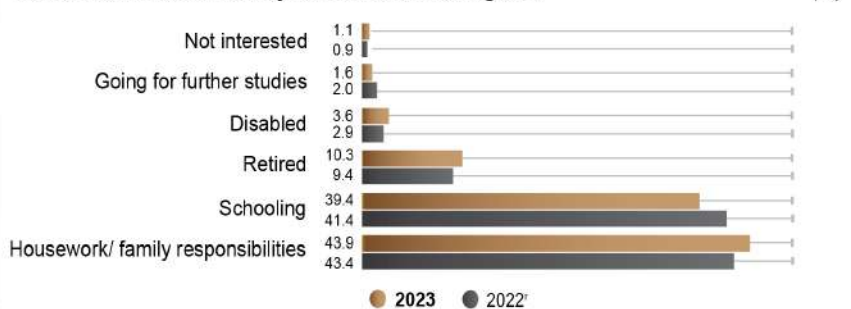
Schooling/ training

39.4%

Population of outside labour force by age group

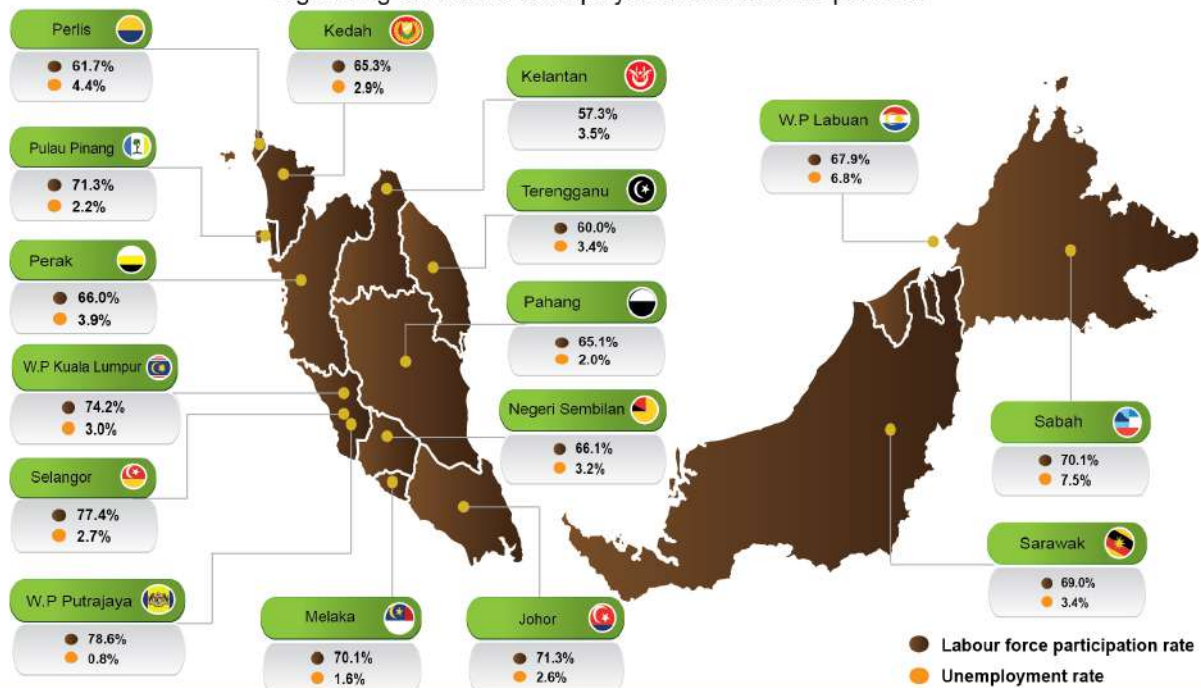


Share of outside labour force by reasons for not seeking work



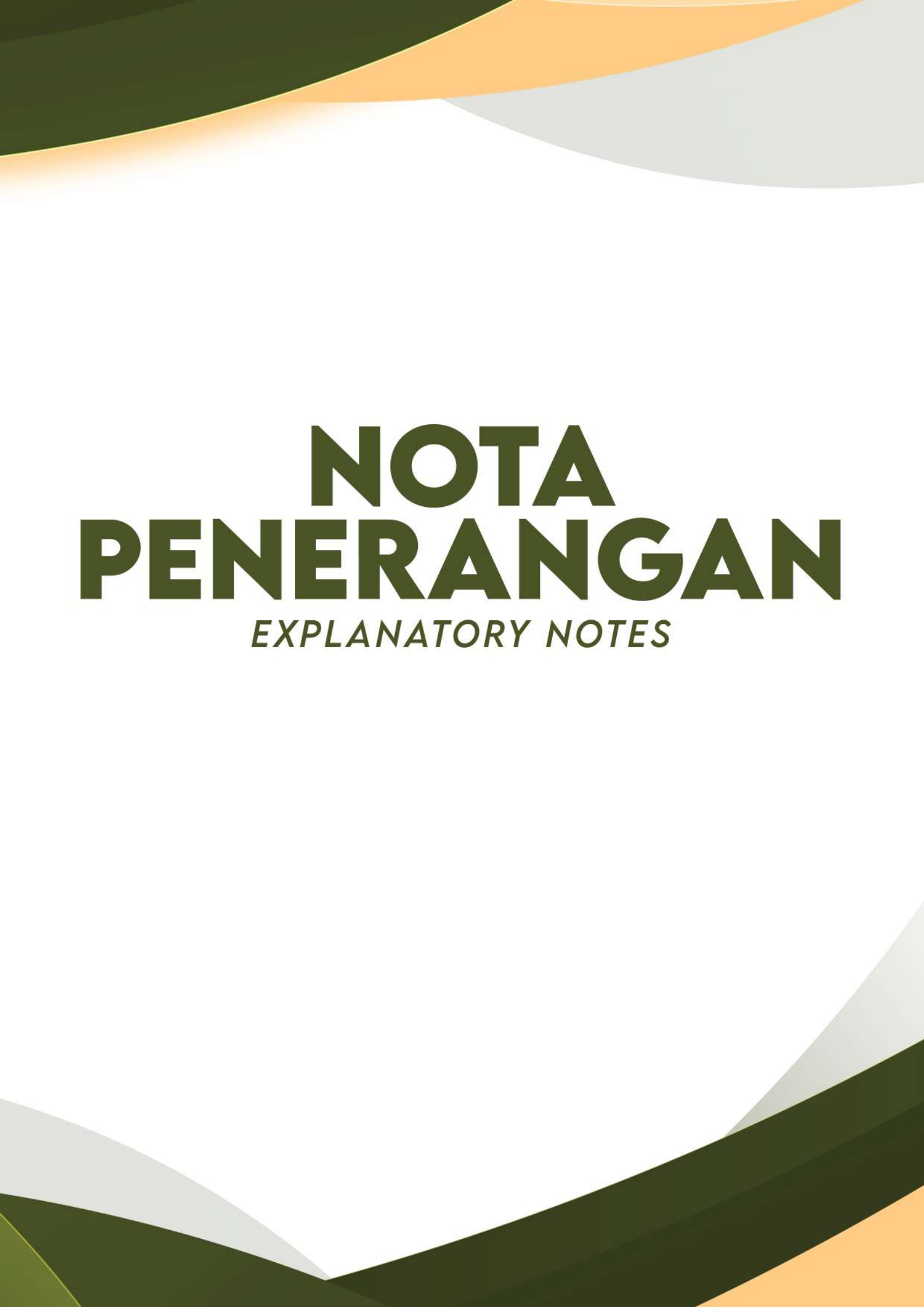
LABOUR FORCE PARTICIPATION RATE AND UNEMPLOYMENT RATE BY STATE

W.P. Putrajaya recorded the highest labour force participation rate of 78.6 per cent and registering the lowest unemployment rate with 0.8 per cent



Source: Labour Force Survey, Department of Statistics Malaysia (DOSM)

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NOTA PENERANGAN

EXPLANATORY NOTES

Nota Penerangan

Bermula dengan penerbitan tahunan Statistik Tenaga Buruh (STB), Malaysia, 2023, statistik utama tenaga buruh dianggarkan berdasarkan anggaran penduduk semasa Malaysia.

Semakan semula siri data STB dilaksanakan apabila data Banci Penduduk dan Perumahan tahun 2020 yang terkini telah tersedia. Data banci ini kemudiannya digunakan untuk semakan semula siri data STB bagi meliputi maklumat tambahan yang tersedia daripada Banci Penduduk dan Perumahan terkini. Proses penggabungan penanda aras populasi yang disemak semula ini dirujuk sebagai '*rebasing*'. Pada masa yang sama semakan semula dibuat kepada siri data Tenaga Buruh bermula 2020 hingga 2022.

Bagi perincian penjadualan siri data semakan semula, sila layari <https://newss.statistics.gov.my/>.

Explanatory Notes

Starting with the annual release of Labour Force Statistics (LFS), Malaysia, 2023, the principal statistics of labour force are estimated based on the current population estimates of Malaysia.

The revision of the LFS data series is carried out when the most recent Population and Housing Census data of 2020 is available. This census data is then used to revise the LFS data series to cover additional information available from the latest Population and Housing Census. This process of incorporating revised population benchmarks is referred to as 'rebasing'. At the same time revisions are made to the Labour Force data series from 2020 to 2022.

For the details on tabulation of revised data series, please visit <https://newss.statistics.gov.my/>.

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RINGKASAN PENEMUAN

SUMMARY OF FINDINGS

1. Pengenalan

PASARAN BURUH MALAYSIA TERUS BERKEMBANG PADA 2023, PADA KADAR YANG KUKUH DENGAN POPULASI PENDUDUK AKTIF YANG LEBIH TINGGI DAN KADAR PENGANGGURAN YANG LEBIH RENDAH

Setelah hampir tiga tahun penularan pandemik COVID-19, ekonomi global mula menunjukkan tanda-tanda penambahbaikan meskipun dengan pelbagai cabaran seperti ketegangan geopolitik, gangguan rantai bekalan akibat daripada konflik Ukraine-Rusia dan peningkatan inflasi yang menyumbang kepada situasi ekonomi global yang mencabar. Menurut laporan *World Economic Outlook* (WEO) terbaru oleh Tabung Kewangan Antarabangsa (IMF) yang diterbitkan pada Januari 2023, ekonomi global diramalkan meningkat sebanyak 2.9 peratus pada 2023 dan 3.1 peratus pada 2024¹. Bagi Malaysia, semua negeri telah memasuki fasa peralihan ke endemik pada 1 April 2022. Oleh itu, ekonomi Malaysia mencatatkan prestasi memberangsangkan dengan pertumbuhan Keluaran Dalam Negeri Kasar (KDNK) yang kukuh iaitu 8.9 peratus pada 2022 berbanding 3.3 peratus pada 2021, walaupun dalam keadaan pasaran yang sukar dan tidak stabil. Seterusnya, pertumbuhan ekonomi pada 2023 lebih sederhana kepada 3.6 peratus susulan semua operasi dalam aktiviti ekonomi dan sosial dijalankan secara berterusan. Prospek positif ini telah mendorong kepada pewujudan lebih banyak peluang pekerjaan dan menggalakkan lebih ramai tenaga buruh mengambil bahagian dalam pasaran, yang membawa kepada pemulihan pasaran buruh yang stabil.

Pada bulan Mac 2023, pasaran buruh Malaysia terus bertambah baik berikutan peningkatan ketara dalam bilangan ketibaan pelancong dan lebih ramai orang yang melancong ke luar negara sejak pembukaan semula sempadan antarabangsa. Tambahan pula, seluruh masyarakat Islam menyambut puasa pada bulan tersebut dan membuat persiapan sempena perayaan Hari Raya Aidilfitri yang akan datang. Selaras dengan itu, situasi sosio-ekonomi yang lebih rancak dapat dilihat, berikutan perbelanjaan isi rumah terus meningkat susulan pembukaan lebih banyak bazar Ramadhan dan Aidilfitri. Oleh itu, lebih banyak peluang ditawarkan dalam pasaran, terutamanya untuk membuka perniagaan baharu dan mengembangkan perniagaan sedia ada, seterusnya meningkatkan ekonomi dan pasaran buruh supaya terus berkembang. Selain itu, Bank Negara Malaysia (BNM) menyatakan bahawa ekonomi Malaysia semakin kukuh sebahagian besarnya adalah disokong oleh prestasi buruh yang menggalakkan dan projek infrastruktur yang berterusan². Justeru, kesemua situasi ini telah memacu kepada prestasi pasaran buruh yang lebih baik pada bulan tersebut.

Memasuki bulan Julai hingga September 2023, beberapa sambutan perayaan ditambah dengan cuti umum dan cuti sekolah telah disambut bersama dengan perayaan Aidiladha pada bulan Julai, diikuti dengan Hari Kemerdekaan Malaysia pada bulan Ogos dan Hari Malaysia pada September 2023. Ini telah menyebabkan orang ramai untuk berinteraksi dan berkumpul dengan ahli keluarga dan rakan lain sepanjang cuti, sekali gus meningkatkan aktiviti pelancongan dan industri yang berkaitan pada tempoh tersebut. Rentetan itu, sektor pelancongan telah menggalakkan pelaburan daripada pelabur asing dan domestik dalam menyediakan peluang perniagaan dan pelaburan yang besar kepada Perusahaan Mikro, Kecil dan Sederhana (PMKS), sekaligus

¹ International Monetary Fund (2023, January). *World Economic Outlook: Inflation Peaking amid Low Growth*. Diperoleh daripada <https://www.imf.org/en/Publications/WEO/Issues/2023/01/31/world-economic-outlook-update-january-2023>

² Bank Negara Malaysia (2023, May). *Economic and Financial Developments in Malaysia*. Diperoleh daripada [Economic and Financial Developments in Malaysia in the First Quarter of 2023 - Bank Negara Malaysia \(bnm.gov.my\)](https://www.bnm.gov.my/en/economic-and-financial-developments-in-malaysia-in-the-first-quarter-of-2023)

meningkatkan pertumbuhan ekonomi serta permintaan domestik. Selain itu, pelbagai dasar dan pelan induk telah diumumkan oleh kerajaan untuk meningkatkan prestasi pasaran buruh. Sebagai contoh, pelaksanaan naratif Ekonomi MADANI termasuk Pelan Induk Perindustrian Baharu 2030 (NIMP 2030) yang secara objektif untuk memacu industri Malaysia ke arah kemajuan teknologi, kemampanan dan integrasi yang lebih terperinci ke dalam rantai nilai global dan Kajian Separuh Penggal Rancangan Malaysia Kedua Belas (KSP RMK12) yang bertujuan untuk memperkasakan dan membangunkan ekonomi negara dalam tempoh sepuluh tahun di samping meningkatkan kualiti hidup rakyat. Selain itu, inisiatif kerajaan di bawah Pertubuhan Keselamatan Sosial (PERKESO) yang bertujuan untuk meningkatkan peluang pekerjaan baharu dan memperkukuh rangkaian perlindungan sosial akan dilaksanakan dalam pelbagai cara termasuk program Bina Kerjaya PERKESO yang meliputi sokongan pekerjaan sektor swasta kepada bekas banduan, orang kurang upaya, pesara dan integrasi kumpulan sasar ke dalam sektor awam³.

Ekonomi Malaysia kekal berdaya tahan, walaupun berdepan ketidaktentuan landskap ekonomi global semasa memasuki bulan Oktober dan November 2023. Merujuk kepada laporan WEO terbaru IMF, yang diterbitkan pada Januari 2024, pertumbuhan global yang dianggarkan berkembang pada 3.1 peratus pada 2023 diunjurkan kekal pada 3.1 peratus pada 2024. Ini sebahagiannya adalah disebabkan oleh kejutan geopolitik yang kekal tinggi dan tidak menentu dalam pasaran komoditi, berpunca daripada situasi di Timur Tengah yang berpanjangan. Disebabkan ini, boikot secara meluas meningkat dengan ketara, mencerminkan pendirian tegas yang diambil terhadap produk utama terpilih. Langkah boikot ini berkemungkinan memberi kesan tidak langsung kepada rantai perniagaan. Terutama bagi pekerja yang bekerja dengan entiti perniagaan yang diboikot, mereka juga berpotensi mengalami kehilangan pekerjaan. Walau bagaimanapun, Menteri Kementerian Sumber Manusia, mengesahkan bahawa sehingga November 2023, tiada laporan pekerja diberhentikan akibat gerakan boikot tersebut⁴. Selain itu, subsektor Makanan & minuman mencatatkan sumbangan yang kecil kepada KDNK, iaitu 2.3 peratus pada 2023 berbanding 2.4 peratus pada suku pertama 2024. Seterusnya, situasi ini juga disumbangkan oleh kecenderungan pengguna untuk beralih kepada produk perniagaan berjenama tempatan dan seterusnya meningkatkan aktiviti ekonomi domestik. Di samping itu, bagi menangani isu pengangguran dan meningkatkan keseluruhan ekosistem pasaran buruh, kerajaan telah mengumumkan pembentangan Bajet 2023 di bawah rangka kerja pembangunan Malaysia MADANI, yang memperuntukkan sebanyak RM99.7 bilion termasuk RM18.6 bilion yang memfokuskan untuk memperkasa kumpulan terpilih B40, M40, wanita dan belia. Sementara itu, anggaran sebanyak RM80.9 bilion diperuntukkan tertumpu kepada kewujudan pekerjaan melalui langkah langsung dan tidak langsung dan RM208 bilion untuk mengukuhkan pasaran pekerjaan serta meningkatkan guna tenaga. Inisiatif yang dirancang ini telah membawa kepada momentum yang lebih tinggi dalam pasaran buruh.

Pada bulan terakhir 2023, pasaran buruh kekal berdaya tahan dan menunjukkan prestasi yang stabil didorong oleh permintaan domestik yang kukuh, pembukaan semula negara China, pemulihan projek pembinaan, pertumbuhan sektor utama berikutan kenaikan harga komoditi global, dan perdagangan luar yang sederhana⁵. Sehubungan itu, semua situasi positif ini menunjukkan prestasi kukuh terhadap situasi tenaga buruh, yang disumbangkan oleh trend guna tenaga yang positif dengan pengurangan dalam pengangguran.

³ [Perkeso initiatives under 2024 Budget will boost new job growth and social protection | New Straits Times | Malaysia General Business Sports and Lifestyle News \(nst.com.my\)](https://www.nst.com.my/news/economy/2023/11/14/perkeso-initiatives-under-2024-budget-will-boost-new-job-growth-and-social-protection)

⁴ <https://malaysiagazette.com/2023/11/14/boikot-apa-nasib-pekerja-tempatan/>

⁵ [Malaysia's job market to improve in 2023 amid external concerns, says MIDF Research - MIDA | Malaysian Investment Development Authority](https://www.mida.gov.my/mida/en/press-releases/2023/11/14/malaysia-s-job-market-to-improve-in-2023-amid-external-concerns-says-midf-research-mida)

2. Konsep dan Definisi



3. Tenaga Buruh

KPTB yang lebih tinggi direkodkan pada 2023 iaitu pada 70.0 peratus

Pada tahun 2023, bilangan tenaga buruh Malaysia kekal pada trajektori menaik, mencatatkan pertumbuhan sebanyak 3.8 peratus, bersamaan dengan pertambahan sebanyak 597.1 ribu orang. Ini menjadikan jumlah tenaga buruh kepada 16.37 juta orang berbanding tahun sebelumnya (2022^r: 15.77 juta orang). Oleh itu, kadar penyertaan tenaga buruh (KPTB) yang lebih tinggi direkodkan pada 2023, meningkat sebanyak 0.7 mata peratus kepada paras tertinggi baharu iaitu pada 70.0 peratus (2022^r: 69.3%) **[Paparan 1]**.

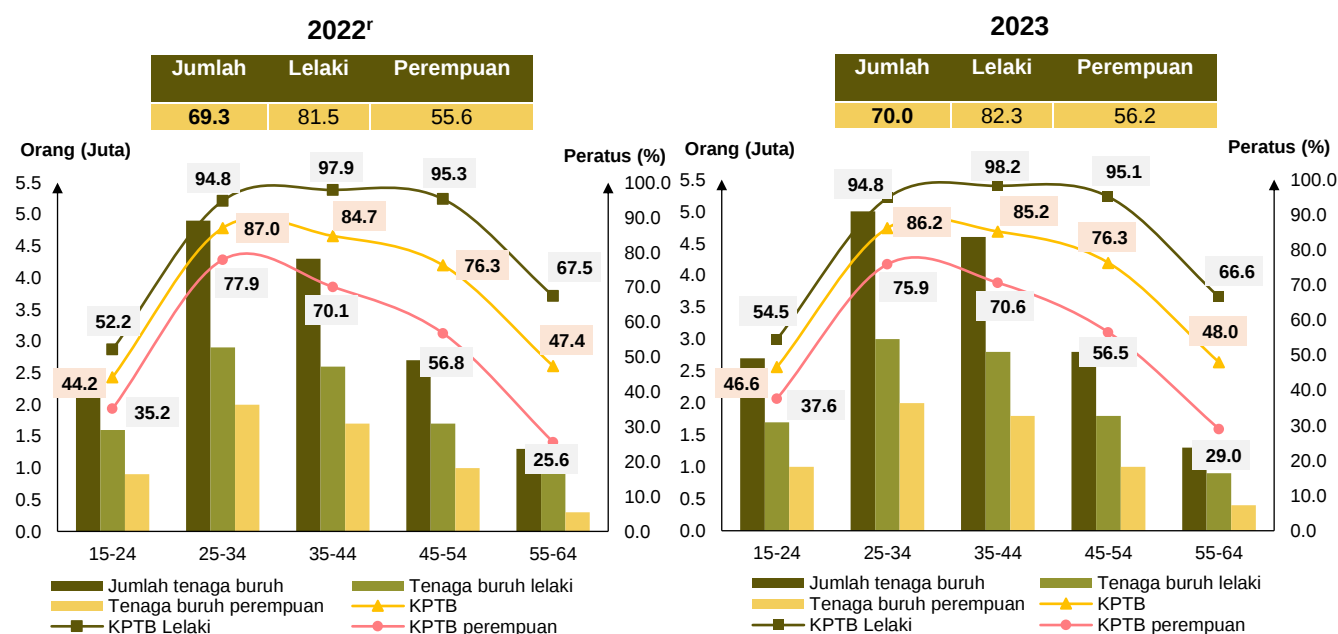
Paparan 1: Statistik utama tenaga buruh, Malaysia, 2022^r dan 2023



Perbandingan tenaga buruh mengikut jantina, kedua-dua tenaga buruh lelaki dan perempuan menunjukkan peningkatan pada tahun tersebut. Tenaga buruh lelaki meningkat sebanyak 4.2 peratus dengan pertambahan sebanyak 412.3 ribu orang kepada 10.19 juta orang (2022^r: 9.78 juta orang). Sementara itu, tenaga buruh perempuan merekodkan peningkatan sebanyak 3.1 peratus (+184.8 ribu orang) kepada 6.18 juta orang pada 2023. Justeru, KPTB lelaki meningkat sebanyak 0.8 mata peratus kepada 82.3 peratus (2022^r: 81.5%) dan KPTB perempuan meningkat sebanyak 0.6 mata peratus kepada 56.2 peratus (2022^r: 55.6%).

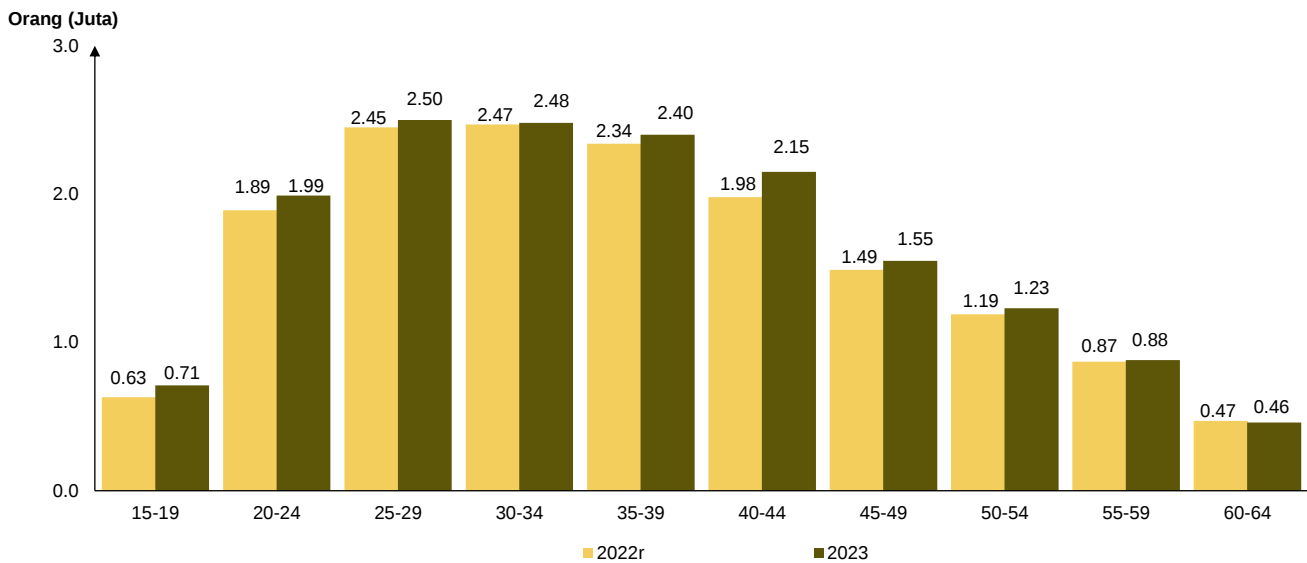
Dari segi kumpulan umur, kumpulan umur 25 hingga 34 tahun mencatatkan KPTB tertinggi iaitu 86.2 peratus manakala kumpulan umur 15 hingga 24 tahun menunjukkan KPTB paling rendah dengan 46.6 peratus. Kumpulan umur 35 hingga 44 tahun berada di kedudukan kedua, meningkat sebanyak 0.5 mata peratus kepada 85.2 peratus dan diikuti oleh kumpulan umur 45 hingga 54 tahun dengan 76.3 peratus. Perbandingan mengikut jantina, KPTB lelaki bagi kumpulan umur 35 hingga 44 tahun menunjukkan peratus sumbangan yang tertinggi dengan 98.2 peratus manakala KPTB perempuan bagi kumpulan umur 25 hingga 34 tahun kekal paling tinggi, namun kadarnya menurun sebanyak 1.2 mata peratus kepada 75.9 peratus **[Carta 1]**.

Carta 1: Kadar penyertaan tenaga buruh mengikut jantina dan kumpulan umur, Malaysia, 2022^r dan 2023



Kumpulan umur 25 hingga 29 tahun merangkumi 15.3 peratus (2.50 juta orang) mencatatkan peratus sumbangan terbesar daripada jumlah tenaga buruh, diikuti kumpulan umur 30 hingga 34 tahun dengan sumbangan sebanyak 15.2 peratus atau bersamaan dengan 2.48 juta orang dan kumpulan umur 35 hingga 39 tahun yang meliputi 14.7 peratus (2.40 juta orang) **[Carta 2]**.

Carta 2: Tenaga buruh mengikut kumpulan umur, Malaysia, 2022^r dan 2023



4. Penduduk Bekerja

Penduduk bekerja terus menunjukkan pertumbuhan positif merekodkan 15.81 juta orang

Pada tahun 2023, bilangan penduduk bekerja terus menunjukkan pertumbuhan positif, meningkat sebanyak 4.3 peratus atau 658.1 ribu orang merekodkan 15.81 juta orang (2022^r: 15.16 juta orang). Oleh itu, nisbah guna tenaga kepada penduduk, yang mencerminkan kemampuan ekonomi untuk mewujudkan pekerjaan, meningkat sebanyak 1.1 mata peratus tahun ke tahun kepada 67.7 peratus (2022^r: 66.6%).

Mengikut sektor ekonomi, sektor Perkhidmatan terus merekodkan bilangan penduduk bekerja tertinggi, dengan sumbangan sebanyak 65.8 peratus, diikuti oleh sektor Pembuatan dan Pertanian masing-masing sebanyak 16.4 peratus dan 9.1 peratus. Di samping itu, sumbangan guna tenaga dalam sektor Pembinaan adalah 8.1 peratus, manakala sektor Perlombongan & pengkuarian mencatatkan sumbangan guna tenaga terendah pada 0.6 peratus **[Paparan 2]**.

Paparan 2: Penduduk bekerja mengikut sektor, Malaysia, 2022^r dan 2023



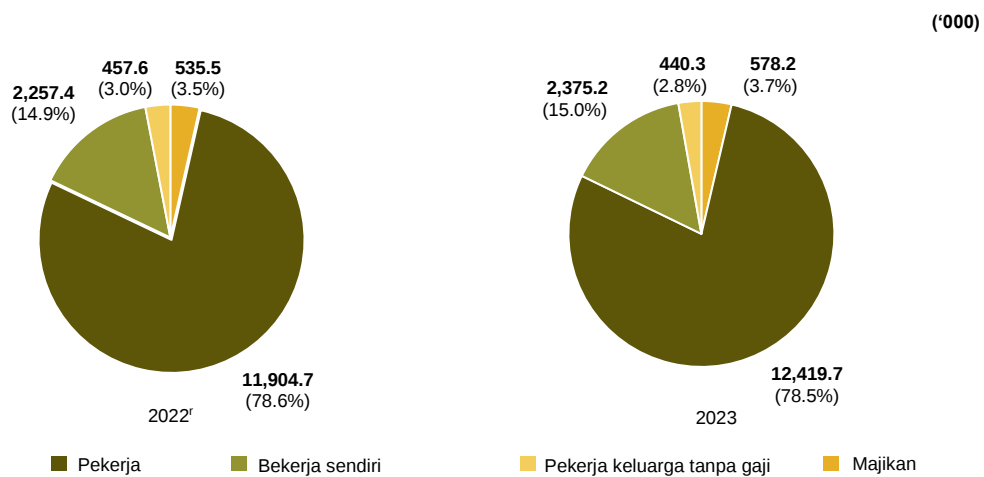
Melihat kepada pencapaian pendidikan, pendidikan menengah mencatatkan peratus sumbangan terbesar daripada jumlah penduduk bekerja dengan sumbangan sebanyak 54.1 peratus. Berbanding tahun sebelumnya, kategori ini meningkat sebanyak 3.9 peratus mencecah 8.56 juta orang (2022^r: 8.24 juta orang). Sementara itu, mereka yang mempunyai pendidikan tertiar merangkumi 35.5 peratus daripada jumlah penduduk bekerja, meningkat sebanyak 4.5 peratus kepada 5.61 juta orang daripada 5.37 juta orang pada tahun sebelumnya. Penduduk bekerja dengan pendidikan rendah merangkumi 8.0 peratus, meningkat sebanyak 4.4 peratus mencatatkan 1.27 juta orang (2022^r: 1.21 juta orang). Baki sumbangan sebanyak 2.4 peratus mewakili penduduk bekerja yang tidak mempunyai pendidikan formal, yang menunjukkan peningkatan sebanyak 13.7 peratus kepada 378.2 ribu orang (2022^r: 332.6 ribu orang) [Paparan 3].

Paparan 3: Penduduk bekerja mengikut pencapaian pendidikan, Malaysia, 2022^r dan 2023



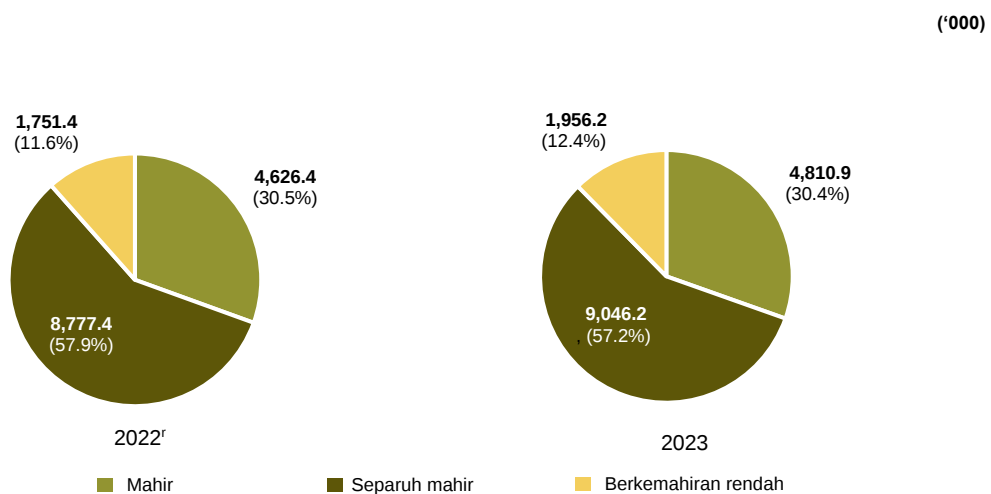
Mengikut taraf pekerjaan, kategori pekerja menyumbang bilangan penduduk bekerja terbesar iaitu 78.5 peratus, menunjukkan peningkatan tahun ke tahun sebanyak 4.3 peratus kepada 12.42 juta orang (2022^r: 11.90 juta orang). Manakala, penduduk bekerja sendiri yang merangkumi 15.0 peratus, meningkat kepada 2.38 juta orang pada tahun 2023 (2022^r: 2.26 juta orang). Trend yang sama dilihat dalam kategori majikan, yang meningkat sebanyak 8.0 peratus merekodkan 578.2 ribu orang dengan sumbangan sebanyak 3.7 peratus (2022^r: 535.5 ribu orang). Sebaliknya, pekerja keluarga tanpa gaji kekal dalam trend menurun, berkurang sebanyak 3.8 peratus kepada 440.3 ribu orang, mewakili peratus sumbangan sebanyak 2.8 peratus daripada jumlah penduduk bekerja (2022^r: 457.6 ribu orang) [Carta 3].

Carta 3: Penduduk bekerja mengikut taraf pekerjaan, Malaysia, 2022^r dan 2023



Dari segi tahap kemahiran, sebahagian besar penduduk bekerja di Malaysia berada dalam kategori pekerjaan separuh mahir, merangkumi 57.2 peratus atau 9.05 juta orang. Pada masa yang sama, kategori pekerjaan mahir meliputi 30.4 peratus (4.81 juta orang), manakala 12.4 peratus lagi adalah dalam kategori pekerjaan berkemahiran rendah (1.96 juta orang). Dari segi prestasi pertumbuhan, bilangan guna tenaga dalam pekerjaan separuh mahir terus berkembang pada kadar yang lebih perlahan, naik sebanyak 3.1 peratus berbanding pertumbuhan 4.2 peratus yang direkodkan pada tahun sebelumnya. Sementara itu, pekerjaan berkemahiran rendah meningkat dengan ketara iaitu sebanyak 11.7 peratus setelah mencatatkan trend negatif pada tahun sebelumnya. Ini berikutan peningkatan dalam bilangan penduduk bekerja bukan warganegara susulan daripada pembukaan kuota pengambilan pekerja asing dan program rekalibrasi terutamanya dalam sektor Pembuatan dan Perkhidmatan **[Carta 4]**.

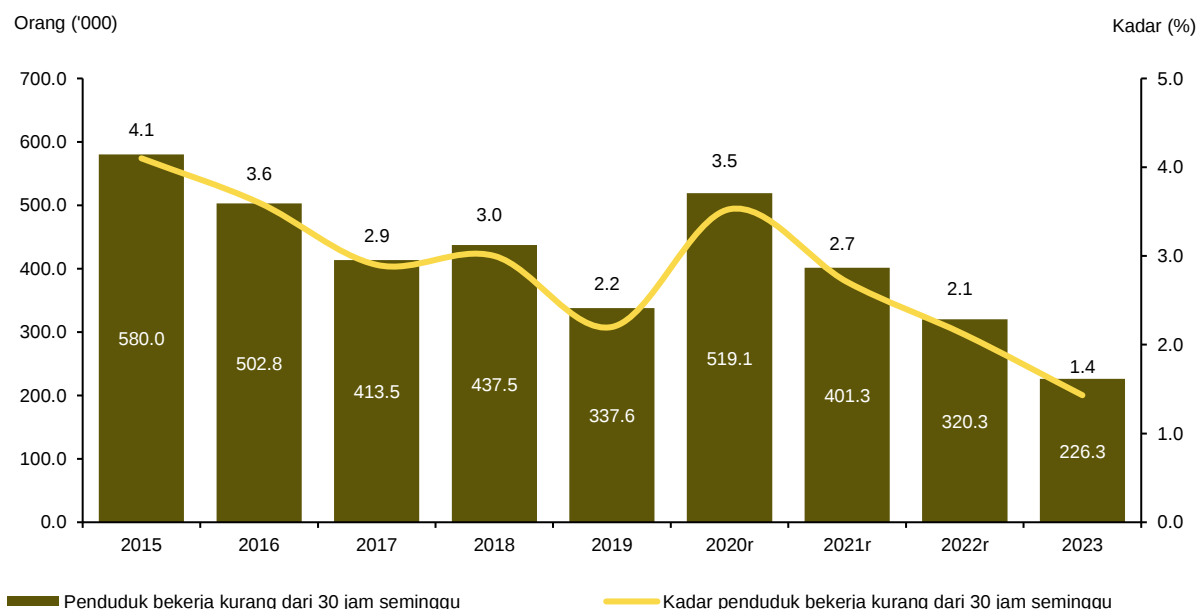
Carta 4: Penduduk bekerja mengikut tahap kemahiran, Malaysia, 2022^r dan 2023



Bekerja kurang dari 30 jam seminggu, guna tenaga tidak penuh berkaitan masa dan guna tenaga tidak penuh berkaitan kemahiran

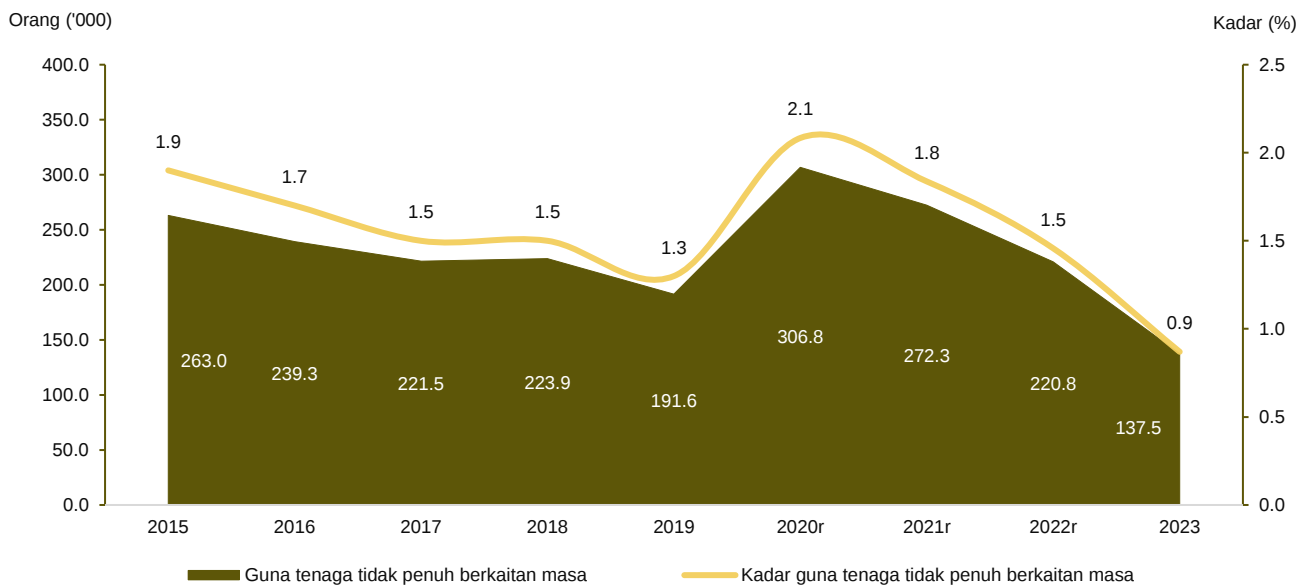
Penduduk bekerja yang bekerja kurang 30 jam seminggu merujuk kepada mereka yang bekerja kurang 30 jam pada minggu rujukan disebabkan keadaan kerja atau kerana kerja yang tidak mencukupi. Melihat kembali pada tahun 2023, ekonomi Malaysia terus mengekalkan prestasi yang lebih baik, yang membawa kepada kedudukan pasaran buruh yang berdaya tahan dengan bilangan penduduk bekerja yang lebih tinggi. Oleh itu, bilangan penduduk bekerja yang bekerja kurang daripada 30 jam seminggu menurun dengan ketara iaitu sebanyak 29.3 peratus atau bersamaan dengan pengurangan sebanyak 93.9 ribu orang merekodkan 226.3 ribu orang (2022^r: 320.3 ribu orang). Mereka yang bekerja kurang daripada 30 jam seminggu merangkumi 1.4 peratus daripada jumlah penduduk bekerja, menurun sebanyak 0.7 mata peratus berbanding tahun sebelumnya (2022^r: 2.1%) **[Carta 5]**.

Carta 5: Penduduk bekerja kurang dari 30 jam seminggu, Malaysia, 2015 - 2023



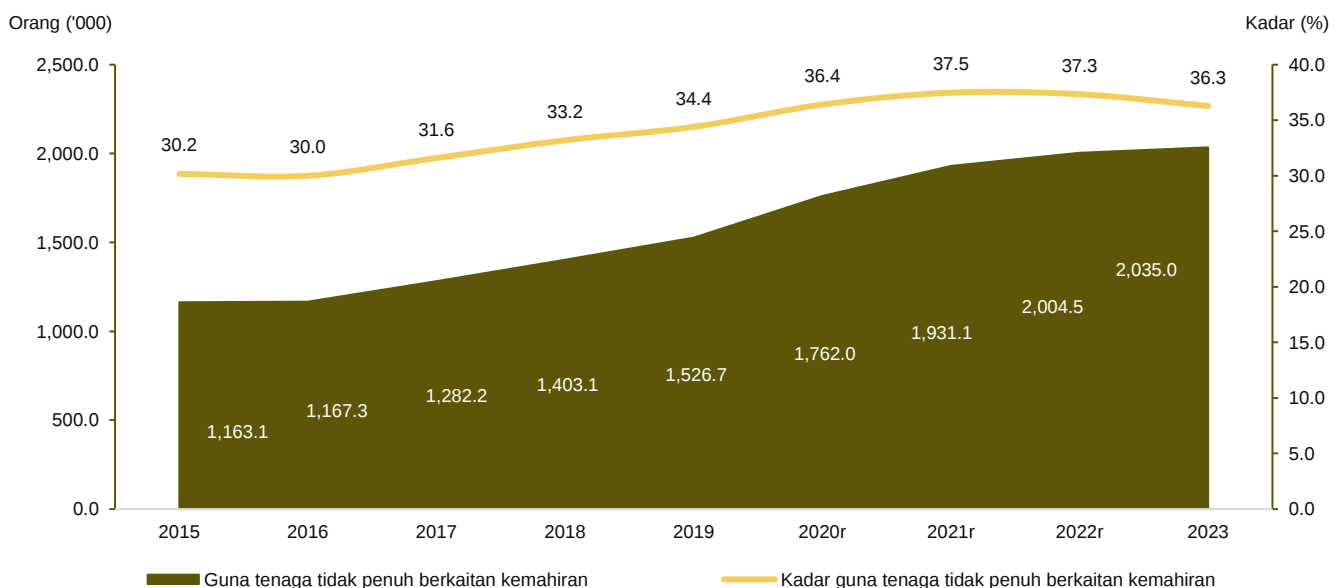
Selaras dengan ini, kadar guna tenaga tidak penuh berkaitan masa pada tahun 2023 berkurang sebanyak 0.6 mata peratus kepada 0.9 peratus (2022^r: 1.5%), mencatatkan penurunan sebanyak 37.7 peratus (-83.3 ribu orang) kepada 137.5 ribu orang (2022^r: 220.8 ribu orang). Guna tenaga tidak penuh berkaitan masa ditakrifkan sebagai mereka yang bekerja kurang daripada 30 jam seminggu disebabkan oleh keadaan kerja atau kerana kerja yang tidak mencukupi dan boleh serta sanggup untuk menerima tambahan bilangan jam bekerja **[Carta 6]**.

Carta 6: Guna tenaga tidak penuh berkaitan masa, Malaysia, 2015 - 2023



Secara umumnya, ketidaksepadanan pekerjaan merujuk kepada situasi di mana seseorang perlu menerima pekerjaan yang memerlukan kemahiran lebih rendah daripada pencapaian pendidikannya. Oleh itu, ia dapat digambarkan melalui indikator guna tenaga tidak penuh berkaitan kemahiran yang mengukur mereka yang mempunyai pendidikan tertiar dan bekerja dalam kategori pekerjaan separuh mahir dan berkemahiran rendah. Pada tahun tersebut, guna tenaga tidak penuh berkaitan kemahiran meningkat sebanyak 1.5 peratus dengan pertambahan sebanyak 30.4 ribu orang mencatatkan 2.03 juta orang (2022r: 2.00 juta orang). Walaupun jumlahnya bertambah, sumbangan guna tenaga tidak penuh berkaitan kemahiran terus menurun sebanyak 1.0 mata peratus kepada 36.3 peratus berbanding tahun sebelumnya (2022r: 37.3%) [Carta 7].

Carta 7: Guna tenaga tidak penuh berkaitan kemahiran, Malaysia, 2015 - 2023



Selaras dengan perkembangan ekonomi semasa, semua operasi dalam aktiviti ekonomi dan sosial dikendalikan secara berterusan telah menyebabkan peningkatan penyertaan dalam pasaran buruh, justeru bilangan penduduk bekerja yang tidak bekerja buat sementara waktu kekal dalam trend menurun dengan pengurangan sebanyak 11.5 peratus (-9.5 ribu orang) kepada 73.5 ribu orang pada 2023 (2022^r: 83.0 ribu orang).

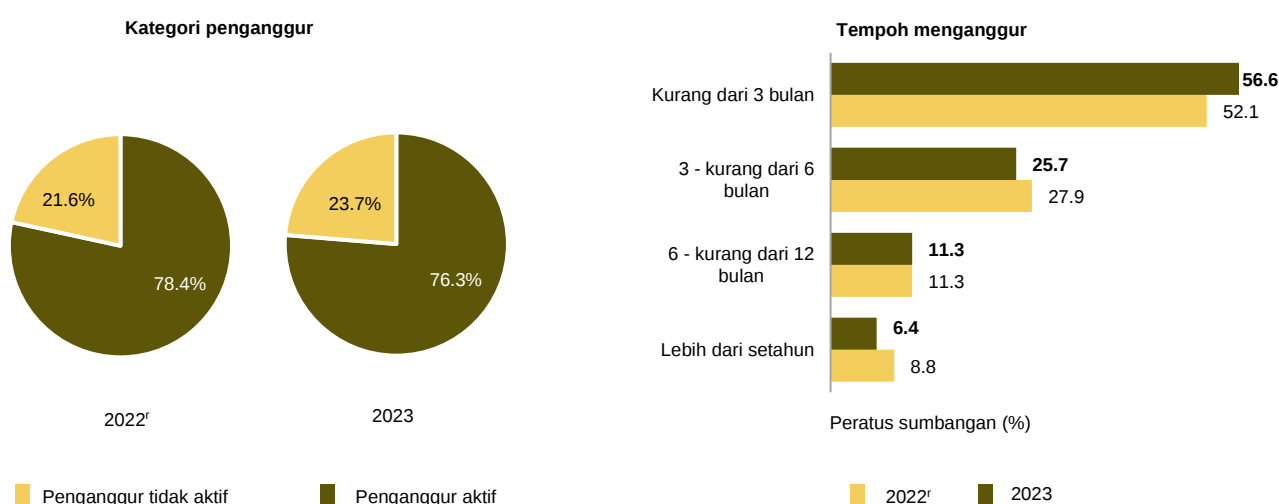
5. Pengangguran

Kadar pengangguran pada 2023 hampir kembali ke paras prapandemik

Kadar pengangguran pada 2023 terus mengekalkan trend penurunan, berkurang sebanyak 0.5 mata peratus kepada 3.4 peratus berbanding tahun sebelumnya (2022^r: 3.9%), hampir kembali ke paras prapandemik iaitu pada 3.3 peratus pada tahun 2019. Oleh itu, bilangan penganggur turun sebanyak 9.9 peratus, walaupun pada kadar yang lebih perlahan berbanding pertumbuhan dua digit pada tahun lalu, mencatatkan seramai 553.4 ribu orang (2022^r: -13.2%; 614.5 ribu orang).

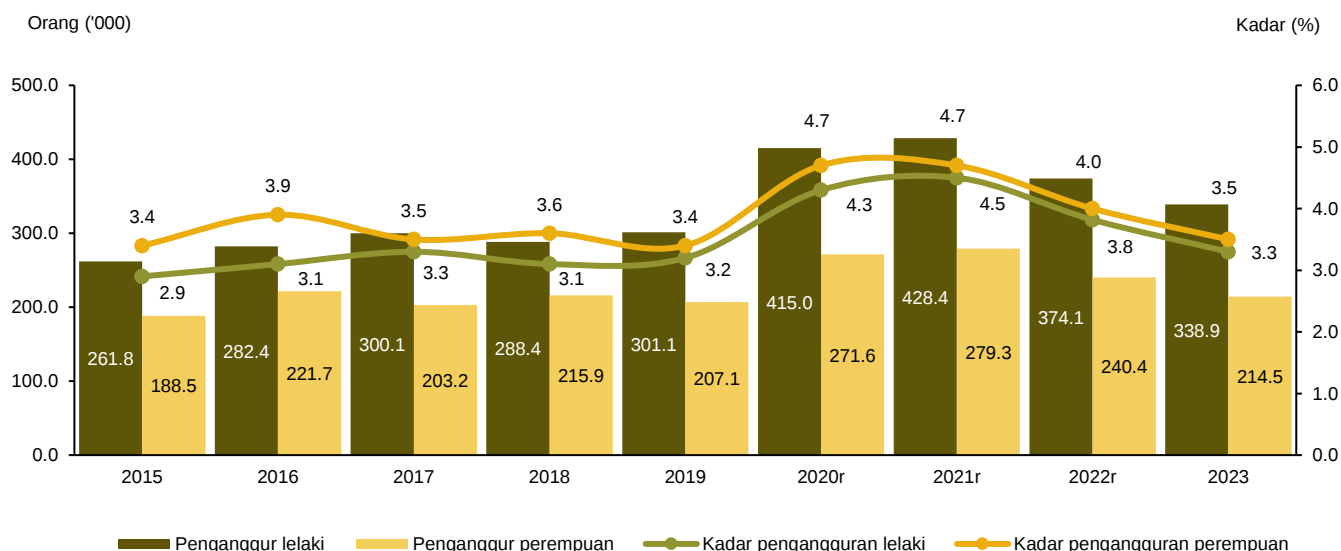
Mengikut kategori pengangguran, mereka yang sedia untuk bekerja dan aktif mencari pekerjaan atau penganggur aktif, meliputi 76.3 peratus daripada jumlah penganggur. Kategori ini berkurang sebanyak 12.3 peratus, mencapai 422.4 ribu orang (2022^r: 481.8 ribu orang). Mengikut tempoh pengangguran bagi penganggur aktif, 56.6 peratus adalah mereka yang menganggur kurang daripada tiga bulan, manakala 6.4 peratus adalah mereka yang berada dalam pengangguran jangka panjang melebihi setahun. Begitu juga, penganggur tidak aktif atau mereka yang percaya bahawa tiada pekerjaan tersedia, menurun sedikit iaitu sebanyak 1.2 peratus kepada 131.1 ribu orang (2022^r: 132.7 ribu orang) **[Carta 8]**.

Carta 8: Kategori penganggur dan tempoh menganggur, Malaysia, 2022^r dan 2023



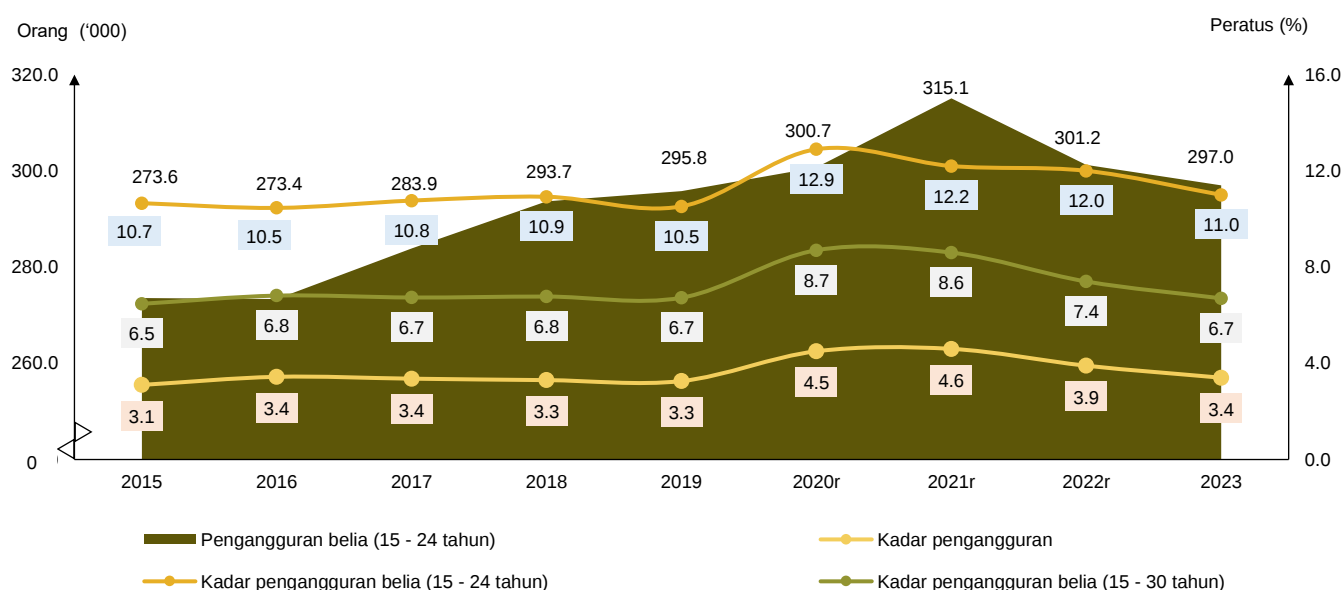
Perbandingan mengikut jantina, kadar pengangguran bagi lelaki dan perempuan kedua-duanya menurun sebanyak 0.5 mata peratus masing-masing kepada 3.3 peratus (2022^r: 3.8%) dan 3.5 peratus (2022^r: 4.0%) [Carta 9].

Carta 9: Penganggur dan kadar pengangguran mengikut jantina, Malaysia, 2015 - 2023



Pada tahun 2023, kadar pengangguran bagi belia berumur 15 hingga 24 tahun turun sebanyak 1.0 mata peratus kepada 11.0 peratus, merekodkan jumlah penganggur belia sebanyak 297.0 ribu orang (2022^r: 12.0%; 301.2 ribu orang). Begitu juga, belia berumur 15 hingga 30 tahun berkurang kepada 6.7 peratus, dengan bilangan penganggur belia pada 392.6 ribu orang (2022^r: 7.4%; 414.0 ribu orang). Pada masa yang sama, kadar pengangguran bagi golongan dewasa berumur 25 hingga 64 tahun berkurang sebanyak 0.5 mata peratus kepada 1.9 peratus, dengan seramai 256.5 ribu penganggur (2022^r: 2.4%; 313.3 ribu orang) [Carta 10].

Carta 10: Kadar pengangguran mengikut kumpulan umur terpilih, Malaysia, 2015 - 2023

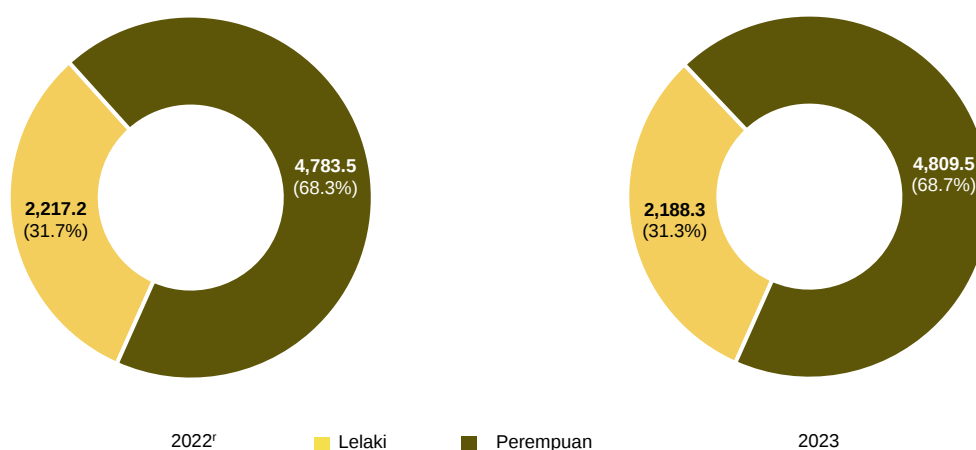


6. Luar Tenaga Buruh

Perempuan merangkumi komposisi terbesar luar tenaga buruh

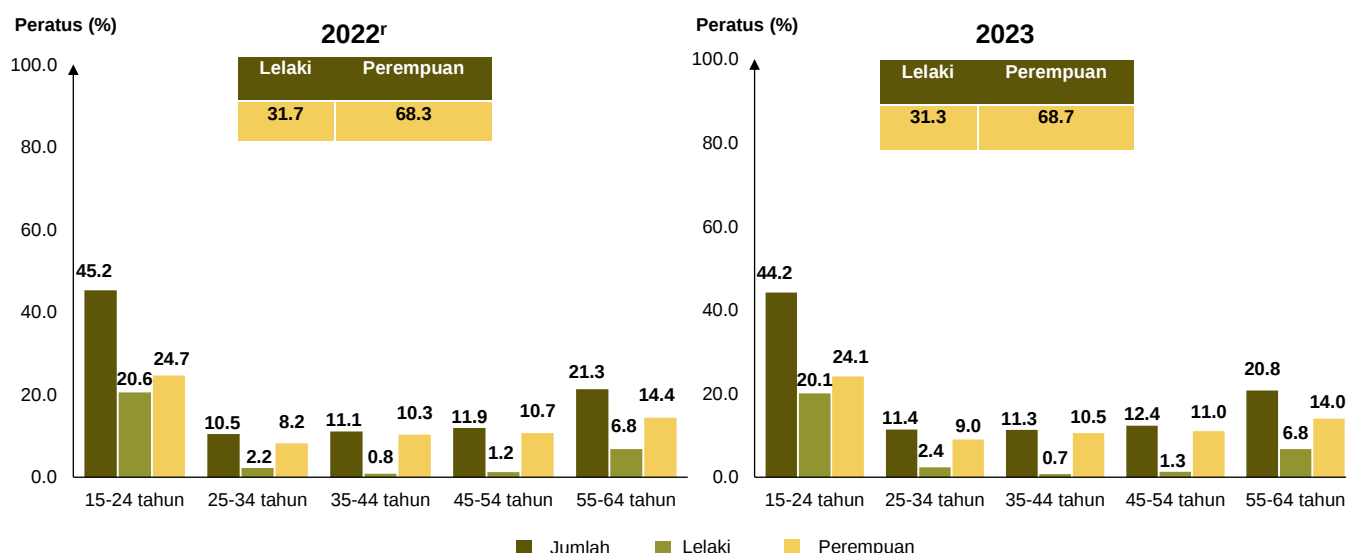
Bilangan penduduk luar tenaga buruh menurun sedikit sebanyak 0.04 peratus atau 2.9 ribu orang kepada 7.0 juta orang pada 2023 berbanding tahun lalu (2022^r: 7.0 juta orang). Perempuan merangkumi komposisi terbesar penduduk luar tenaga buruh, mewakili 68.7 peratus daripada jumlah keseluruhan, manakala lelaki meliputi baki selebihnya iaitu sebanyak 31.3 peratus. Bilangan luar tenaga buruh perempuan meningkat kepada 4.81 juta orang, dengan pertumbuhan sebanyak 0.5 peratus berbanding tahun sebelumnya (2022^r: 4.78 juta orang). Sebaliknya, bilangan lelaki terus menurun, berkurang sebanyak 1.3 peratus kepada 2.19 juta (2022^r: 2.22 juta orang) [Carta 11].

Carta 11: Penduduk luar tenaga buruh mengikut jantina, Malaysia, 2022^r dan 2023
(‘000)



Sepanjang tahun tersebut, kumpulan umur 15 hingga 24 tahun merangkumi komposisi terbesar luar tenaga buruh, mewakili peratus sumbangan sebanyak 44.2 peratus. Dalam kumpulan umur ini, 24.1 peratus adalah perempuan dan 20.1 peratus adalah lelaki [Carta 12].

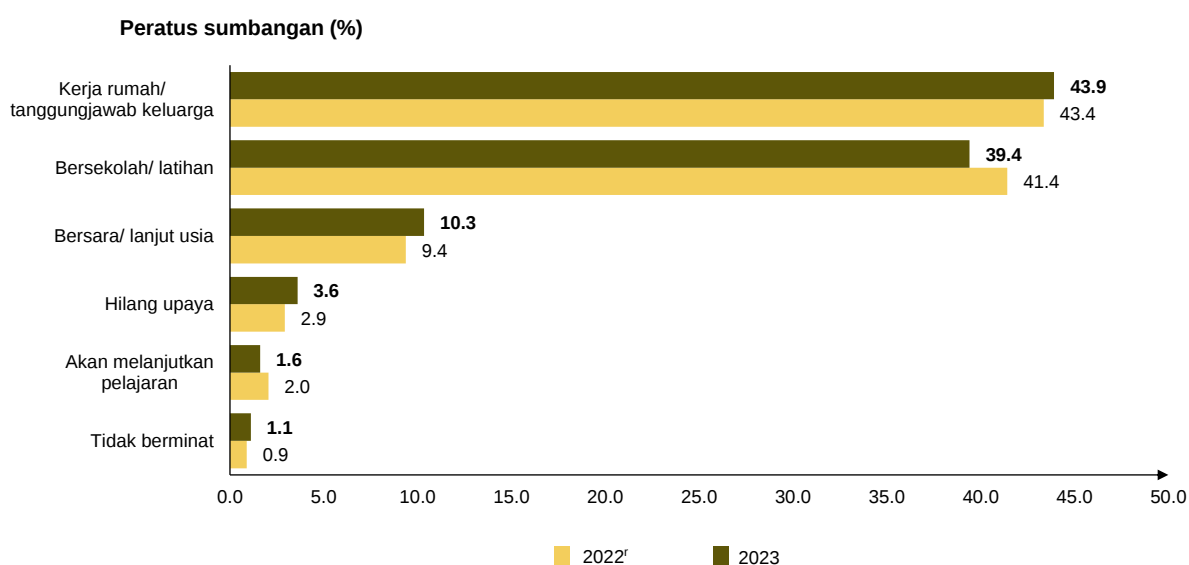
Carta 12: Penduduk luar tenaga buruh mengikut kumpulan umur dan jantina, Malaysia, 2022^r dan 2023



Kerja rumah/ tanggungjawab keluarga merupakan sebab utama luar tenaga buruh

Sebab utama penduduk berada di luar tenaga buruh adalah berikutan kerja rumah/ tanggungjawab keluarga, yang menyumbang sebanyak 43.9 peratus, meningkat daripada 43.4 peratus sumbangan pada tahun sebelumnya. Ini diikuti oleh kategori bersekolah/ latihan (39.4%) [**Carta 13**].

Carta 13: Peratus sumbangan penduduk luar tenaga buruh mengikut sebab tidak mencari pekerjaan, Malaysia, 2022^r dan 2023

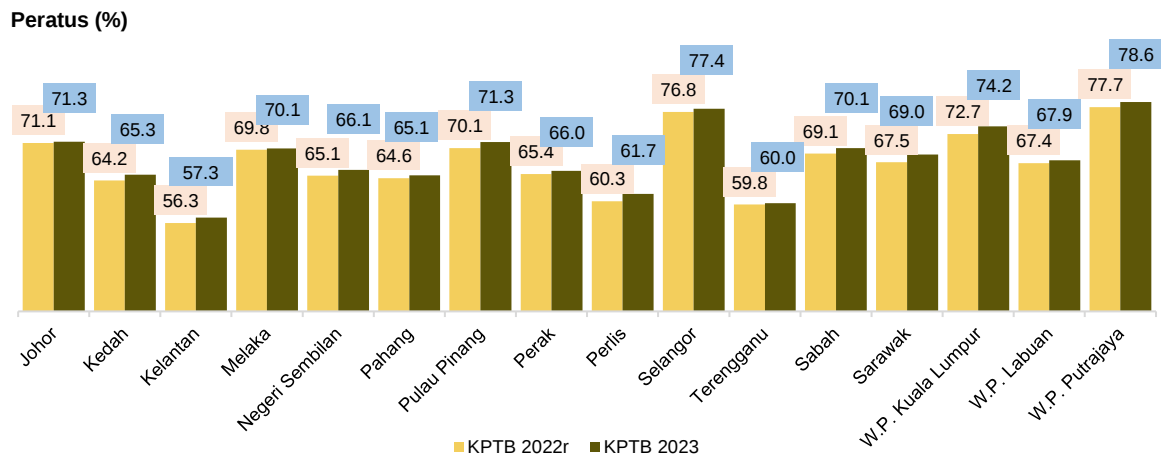


7. Indikator Terpilih Mengikut Negeri

KPTB dan kadar pengangguran mengikut negeri

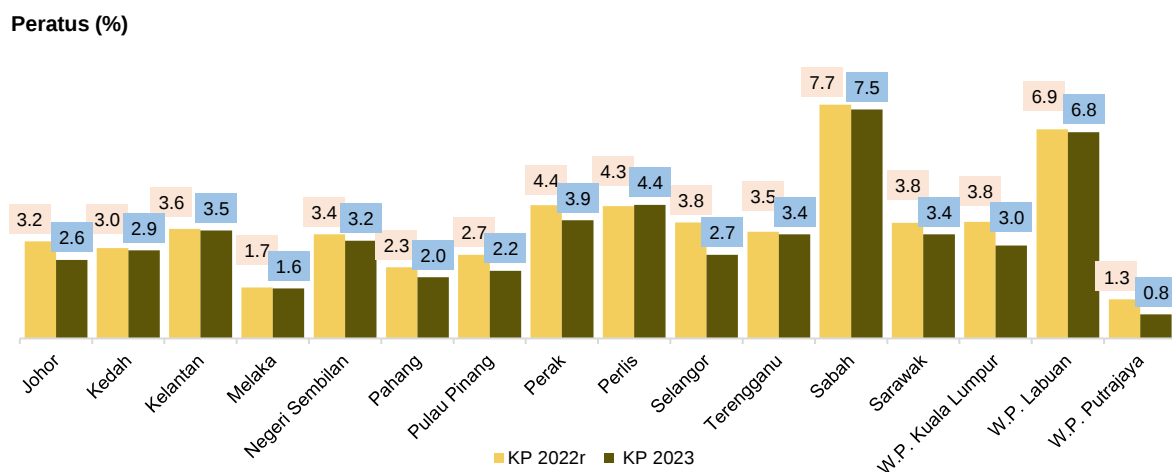
Dari segi prestasi mengikut negeri, semua negeri menyaksikan peningkatan KPTB sepanjang tahun, menunjukkan lebih ramai penyertaan buruh dalam pasaran. W.P. Putrajaya mencatatkan KPTB tertinggi pada 78.6 peratus, diikuti negeri Selangor (77.4%), W.P. Kuala Lumpur (74.2%), Johor dan Pulau Pinang (71.3%) [**Carta 14**].

Carta 14: Kadar penyertaan tenaga buruh mengikut negeri, 2022^r dan 2023



Sementara itu, lima belas negeri merekodkan penurunan dalam kadar pengangguran. W.P. Putrajaya mencatatkan kadar pengangguran terendah pada 0.8 peratus diikuti negeri Melaka (1.6%), Pahang (2.0%) dan Pulau Pinang (2.2%) [Carta 15].

Carta 15: Kadar pengangguran mengikut negeri, 2022^r dan 2023



8. Menuju ke Hadapan

Sepanjang tahun 2023, normalisasi aktiviti ekonomi telah memberi impak positif kepada ekonomi Malaysia serta pasaran buruh. Prestasi ekonomi negara yang lebih baik disokong terutamanya oleh permintaan domestik yang stabil, peningkatan aktiviti pelancongan, pelaksanaan projek infrastruktur, aliran FDI yang mampan dan potensi pemulihan dalam perdagangan luar, yang membantu untuk mengekalkan peluang pekerjaan pada tahun tersebut. Oleh itu, kedudukan tenaga buruh yang stabil telah ditunjukkan pada tahun 2023.

Memandang ke hadapan, ekonomi Malaysia kekal teguh berikutan peralihan ekonomi negara ke arah pertumbuhan yang lebih baik walaupun berdepan cabaran global akibat ketegangan geopolitik yang berlanjutan. Pertumbuhan ini didorong oleh penggunaan isi rumah yang lebih tinggi, potensi pemulihan perdagangan luar, peningkatan ketibaan pelancong, dan permintaan domestik yang kukuh. Pertumbuhan permintaan domestik yang berterusan mencerminkan bahawa agenda reformasi Ekonomi MADANI mula membuahkan hasil yang positif dan

keberkesanan strategi kerajaan untuk mensasarkan semula subsidi tanpa menyebabkan kejutan kepada ekonomi keseluruhan⁶.

Selain itu, Pelan Hala Tuju Peralihan Tenaga Nasional (NETR), NIMP 2030, dan RMK12 akan memacu pelaburan berkualiti dalam industri bernilai tambah tinggi, terutamanya dalam industri berteknologi tinggi, peralihan tenaga dan digital. Inisiatif ini akan mewujudkan lebih banyak peluang pekerjaan berpendapatan tinggi kepada rakyat. Oleh itu, terdapat keperluan untuk pembangunan kapasiti, seperti melalui ketersediaan pekerja berkemahiran tinggi dan penggunaan teknologi canggih dalam proses pengeluaran. Justeru, lebih banyak pekerjaan berkemahiran tinggi akan diwujudkan pada masa hadapan bagi memenuhi keperluan ini. Situasi ini akan menggalakkan lebih ramai orang memasuki pasaran pekerjaan, sekali gus melonjakkan kedudukan pasaran buruh negara dalam masa terdekat.

⁶ <https://www.sinarharian.com.my/article/666523/berita/nasional/pasaran-buruh-berkembang-19-peratus-suku-pertama-2024>

1. Introduction

MALAYSIA'S LABOUR MARKET CONTINUES TO GROW IN 2023, AT A STRONG PACE WITH A HIGHER ECONOMICALLY ACTIVE POPULATION AND A LOWER UNEMPLOYMENT RATE

After nearly three years of the COVID-19 outbreak, the global economy is showing signs of improvement amidst various challenges such as geopolitical tensions, supply chain disruptions due to the Ukrainian-Russian conflict and rising inflation, which contributed to a challenging global economic environment. According to the latest World Economic Outlook (WEO) report by the International Monetary Fund (IMF) published in January 2023, the global economy is predicted to rise by 2.9 per cent in 2023 and 3.1 per cent in 2024¹. As for Malaysia, all the states were entering the transition phase to endemic on 1st April 2022. Thus, the Malaysian economy recorded an encouraging performance with a strong Gross Domestic Product (GDP) growth of 8.9 per cent in 2022 as against 3.3 per cent in 2021, despite difficult and unstable market conditions. Additionally, the economic growth in 2023 moderated to 3.6 per cent as all the operations in economic and social activities were continuously operated. This positive outlook has led to the creation of more job opportunities and encouraged more labour force to participate in the market, leading to a stable labour market recovery.

During March 2023, Malaysia's labour market continued to improve due to a significant increase in the number of tourist arrivals and more people travelling abroad since the reopening of international borders. In addition, the entire Muslim community celebrated the holy fasting during the month and made preparations for the upcoming Eid Festival. In line with this, a more vibrant socio-economic situation was observed, as household spending continues to increase due to the opening of more Ramadhan and Aidilfitri bazaars. Consequently, more opportunities were offered in the market, especially to setting up new businesses and expanding the existing ones, which enhanced the economy, and the labour market remains to flourish. Apart from that, Bank Negara Malaysia (BNM) stated that the Malaysian economy is strengthening, supported largely by the encouraging labour performance and continuous in the infrastructure projects². Thus, all these situations have steered to a better performance of the labour market during the month.

As moved on to July until September 2023, several celebrations coupled with public and school holidays were celebrated together with the celebration of Aidiladha in July, followed by the Independent Day of Malaysia in August and the National Day in September 2023. This has led people to interact and gather with other family members and friends during the holidays, thus improving the tourism activities and related industries during the period. As a result, the tourism sector has encouraged investment from both foreign and domestic investors in providing ample business and investment opportunities to Micro, Small and Medium-Sized Enterprises (MSMEs), thereby increasing economic growth as well as domestic demand. Apart from that, numerous policies and master plans were announced by the government to enhance the labour market performance. For example, the implementation of the MADANI Economic narrative including the New Industrial Master Plan 2030 (NIMP 2030) which aims to drive Malaysian industry towards technological advancement, sustainability and deeper integration into the global value chain and the Mid-Term Review of the Twelfth Malaysia Plan (MTR 12MP) which aims to empower and rejuvenate the national economy over a ten-year period while enhancing the quality of life for the people. Besides, the government initiatives under the Social Security Organization (PERKESO), which pointed to boosting new job opportunities and strengthening the social protection network,

¹ International Monetary Fund (2023, January). World Economic Outlook: Inflation Peaking amid Low Growth. Retrieved from <https://www.imf.org/en/Publications/WEO/Issues/2023/01/31/world-economic-outlook-update-january-2023>

² Bank Negara Malaysia (2023, May). Economic and Financial Developments in Malaysia. Retrieved from [Economic and Financial Developments in Malaysia in the First Quarter of 2023 - Bank Negara Malaysia \(bnm.gov.my\)](https://www.bnm.gov.my/en/economic-financial-developments-in-malaysia-in-the-first-quarter-of-2023)

will be carried out in various ways, including the PERKESO Career Building programme, which includes private sector job support for former inmates, persons with disabilities, retirees and the integration of target groups into the public sector³.

Malaysia's economy remains resilient, despite escalating uncertainties in the global economic landscape entering October and November 2023. Referring to the IMF's latest WEO report, published in January 2024, the global growth estimated to expand at 3.1 per cent in 2023 is projected to remain at 3.1 per cent in 2024. This is partly due to the geopolitical shocks that remained elevated and volatile in commodity markets, stemming from prolonged situations in the Middle East. For this reason, the widespread boycott has intensified significantly, reflecting the strong stance taken against the selected major products. These boycott measures might have an indirect impact on the business chain. Especially for those employees who work with boycotted business entities, they will also suffer consequences of potential job losses. However, Minister of Ministry Human Resources, has confirmed that, as of November 2023, there have been no reports of workers being laid off due to the boycott movement⁴. Moreover, the Food & beverages sub-sector has a small contribution to the GDP, which is 2.3 per cent in 2023 as compared to 2.4 per cent in the first quarter of 2024. Subsequently, this situation is contributed by the tendency of consumers to switch to locally branded business products and then increase domestic economic activities. Additionally, to address unemployment issues and improved the whole ecosystem of the labour market, the government announced the 2023 Budget laying in the Malaysia MADANI development framework, which allocated RM99.7 billion, including RM18.6 billion, focused on empowering selected groups for B40, M40, women and youth. Meanwhile, around RM80.9 billion was allocated focused on creating jobs through direct and indirect measures and RM208 billion for strengthening the job market and boosting employment. The determined initiatives have led to upbeat momentum in the labour market.

In the last month of 2023, the labour market remained resilient and showed stable performance benefiting from strong domestic demand, China's border reopening, the revival of construction projects, the expansion of primary sectors following the elevated global commodity prices, and modest external trade⁵. As a result, all these positive circumstances indicated strong performance of the labour force situation, contributed by the positive trend of employment with the reduction of unemployment.

³ [Perkeso initiatives under 2024 Budget will boost new job growth and social protection | New Straits Times | Malaysia General Business Sports and Lifestyle News \(nst.com.my\)](https://www.nst.com.my/news/economy/2023/11/14/perkeso-initiatives-under-2024-budget-will-boost-new-job-growth-and-social-protection)

⁴ <https://malaysiagazette.com/2023/11/14/boikot-apa-nasib-pekerja-tempatan/>

⁵ [Malaysia's job market to improve in 2023 amid external concerns, says MIDF Research - MIDA | Malaysian Investment Development Authority](https://www.mida.gov.my/mida/en/industry-news/malaysia-job-market-to-improve-in-2023-amid-external-concerns-says-midf-research)

2. Concept and Definition

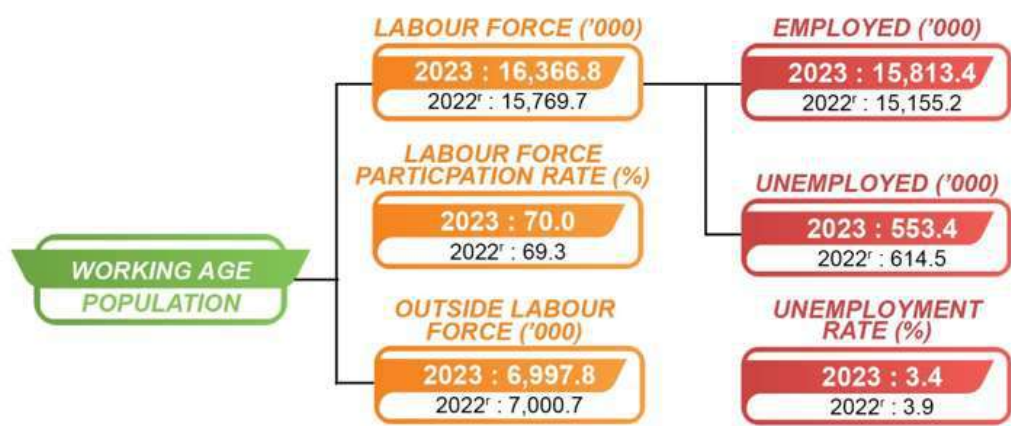


3. Labour Force

A higher LFPR was recorded in 2023 at 70.0 per cent

In 2023, the number of Malaysia’s labour force remained on its upward trajectory, posting a growth of 3.8 per cent, equivalent to an addition of 597.1 thousand persons. This brought the total labour force to 16.37 million persons as compared to the previous year (2022^r: 15.77 million persons). Therefore, a higher labour force participation rate (LFPR) was recorded in 2023, increasing by 0.7 percentage points to a new highest level at 70.0 per cent (2022^r: 69.3%) [Exhibit 1].

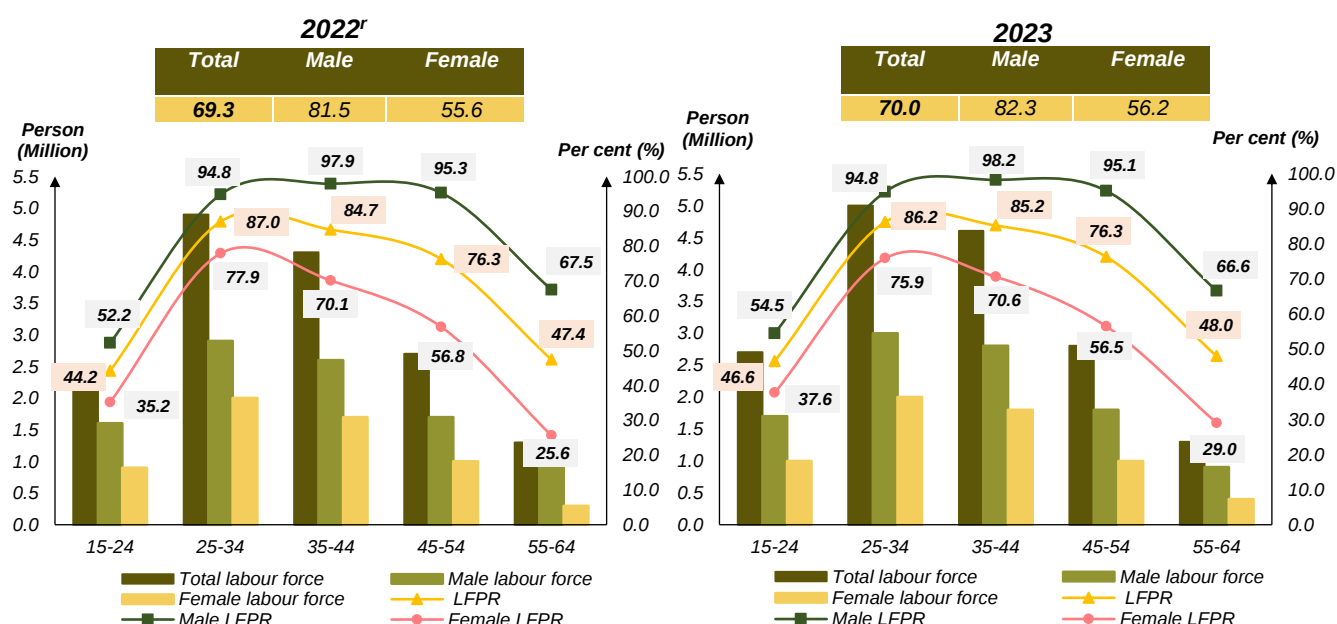
Exhibit 1: Principal statistics of labour force, Malaysia, 2022^r and 2023



Disaggregation of labour force by sex, both male and female labour force shows an improvement during the year. The male labour force went up by 4.2 per cent with an addition of 412.3 thousand persons to 10.19 million persons (2022^r: 9.78 million persons). Meanwhile, the female labour force recorded an increase of 3.1 per cent (+184.8 thousand persons) to 6.18 million persons in 2023. Accordingly, male LFPR rose by 0.8 percentage points to 82.3 per cent (2022^r: 81.5%) and female LFPR ascended by 0.6 percentage points to 56.2 per cent (2022^r: 55.6%).

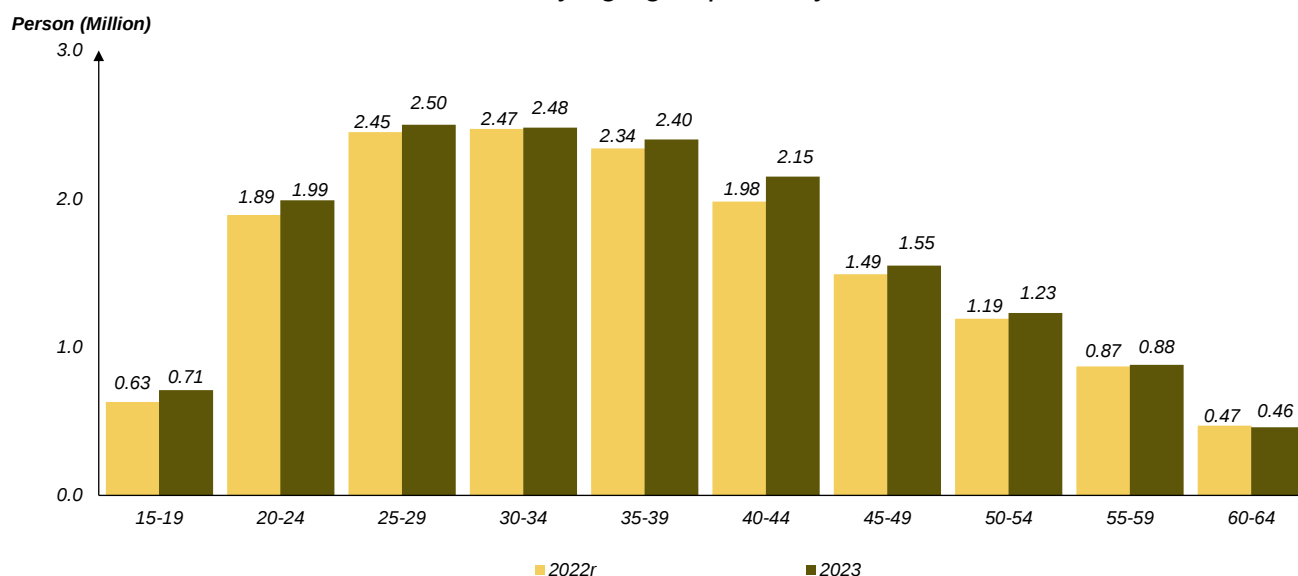
In terms of age group, the age group of 25 to 34 years posted the highest LFPR at 86.2 per cent while the age group of 15 to 24 years showed the lowest LFPR at 46.6 per cent. The age group of 35 to 44 years ranked second, ascended by 0.5 percentage points to 85.2 per cent and was followed by the age group of 45 to 54 years with 76.3 per cent. Comparing by sex, the male LFPR for the age group of 35 to 44 years indicated the highest share with 98.2 per cent while the female LFPR for the age group of 25 to 34 years stood as the highest, however the rate decreasing by 1.2 percentage points to 75.9 per cent [Chart 1].

Chart 1: Labour force participation rate by sex and age group, Malaysia, 2022^r and 2023



The age group of 25 to 29 years comprising 15.3 per cent (2.50 million persons) posted the largest contribution share of the total labour force, followed by the age group of 30 to 34 years with a share of 15.2 per cent or equivalent to 2.48 million persons and the age group 35 to 39 years, which constituted 14.7 per cent (2.40 million persons) [Chart 2].

Chart 2: Labour force by age group, Malaysia, 2022^r and 2023



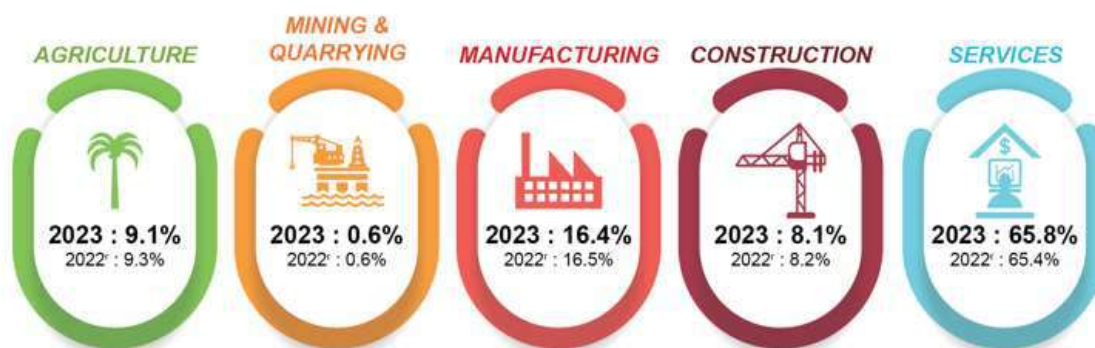
4. Employed Person

Employed persons continued its positive growth to record 15.81 million persons

In 2023, the number of employed persons continued its positive growth, increased by 4.3 per cent or 658.1 thousand persons to record 15.81 million persons (2022^r: 15.16 million persons). Consequently, the employment-to-population ratio, which indicates the ability of an economy to create employment, rose by 1.1 percentage points year-on-year to 67.7 per cent (2022^r: 66.6%).

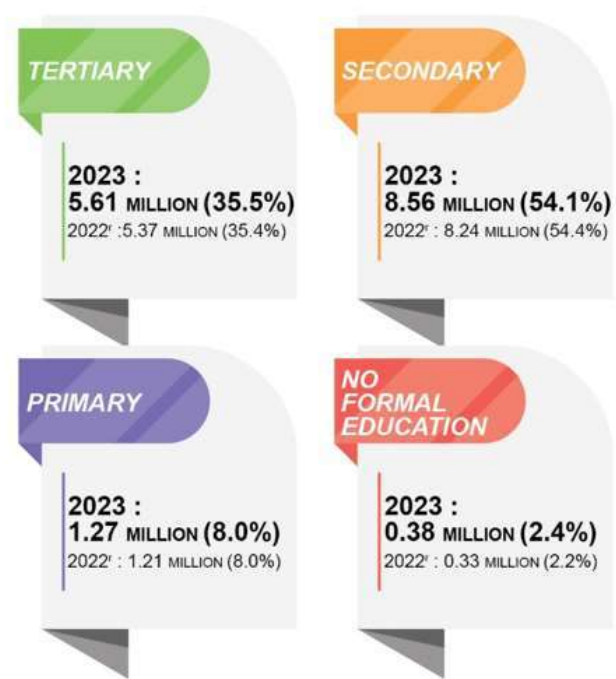
By economic sector, the Services sector continued to record the highest number of employed persons, with a share of 65.8 per cent, followed by the Manufacturing and Agriculture sectors with 16.4 per cent and 9.1 per cent, respectively. On the same note, the share of employment in the Construction sector was 8.1 per cent, whereas the Mining & quarrying sector registered the smallest share of employment at 0.6 per cent [Exhibit 2].

Exhibit 2: Employed persons by sector, Malaysia, 2022^r and 2023



Looking at the educational attainment, secondary education posted the largest share of the total employment with a share of 54.1 per cent. As compared with the previous year, this category trended up by 3.9 per cent reaching a total of 8.56 million persons (2022^r: 8.24 million persons). In the meantime, those with tertiary education made up 35.5 per cent of the share of the total employed persons, rising by 4.5 per cent to 5.61 million persons from 5.37 million persons in the prior year. The employed persons with primary education comprised a share of 8.0 per cent, increasing by 4.4 per cent registering 1.27 million persons (2022^r: 1.21 million persons). The remaining share of 2.4 per cent had no formal education, which saw an increment of 13.7 per cent to 378.2 thousand persons (2022^r: 332.6 thousand persons) **[Exhibit 3]**.

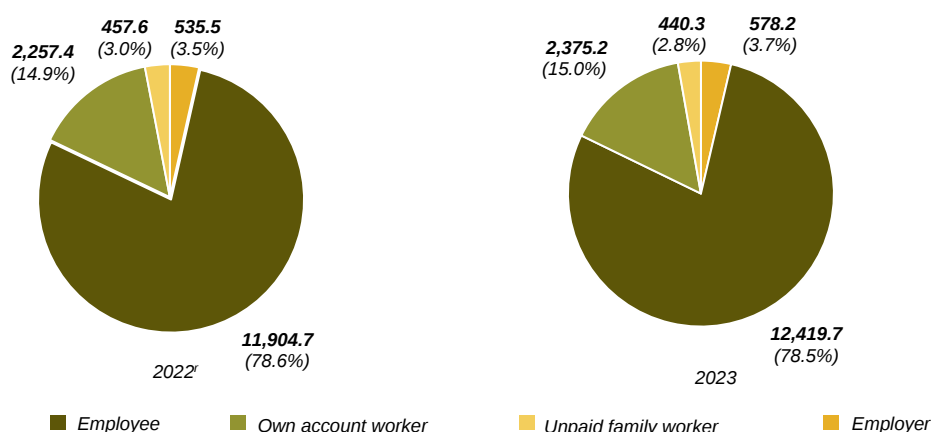
Exhibit 3: Employed persons by educational attainment, Malaysia, 2022^r and 2023



By status of employment, the employee’s category contributed the largest share of employed persons at 78.5 per cent, showing a year-on-year increase of 4.3 per cent to 12.42 million persons (2022^r: 11.90 million persons). Meanwhile, own-account workers, which accounted for 15.0 per cent, ascended to 2.38 million persons in 2023 (2022^r: 2.26 million persons). A similar trend was observed in the employers’ category, which improved by 8.0 per cent to record 578.2 thousand persons with a share of 3.7 per cent (2022^r: 535.5 thousand persons). In contrast, unpaid family workers remained in a downward trend, decreasing by 3.8 per cent to 440.3 thousand persons, representing a contribution of 2.8 per cent from the total of employed persons (2022^r: 457.6 thousand persons) **[Chart 3]**.

Chart 3: Employed persons by status of employment, Malaysia, 2022^r and 2023

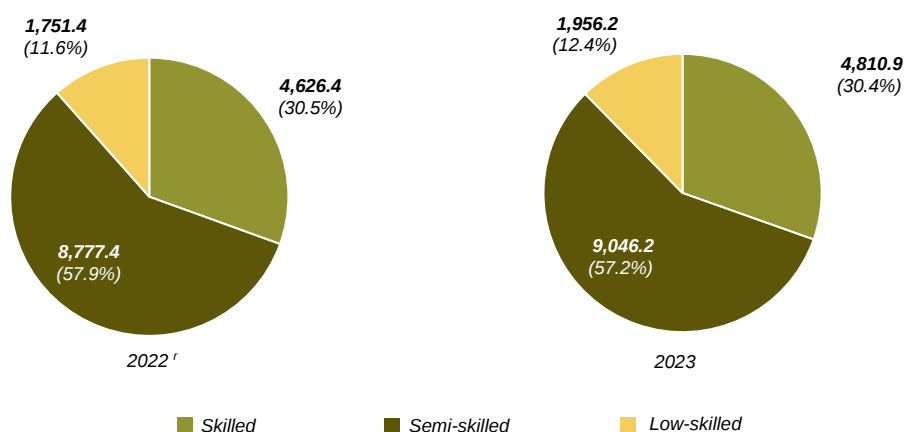
('000)



In terms of skill level, most employed persons in Malaysia were in the semi-skilled occupations category, encompassing 57.2 per cent or 9.05 million persons. In the meantime, the skilled occupations category comprised 30.4 per cent (4.81 million persons), while the remaining 12.4 per cent was in the low-skilled occupations category (1.96 million persons). By growth performance, the numbers of employment in semi-skilled occupations continued to expand at a slower pace, rising by 3.1 per cent as compared to the growth of 4.2 per cent recorded in the prior year. Meanwhile, low-skilled occupations significantly increased by 11.7 per cent after posting a negative trend in the previous year. This was due to the surge in the number of non-citizen employed persons following the opening of quotas for hiring foreign workers and the recalibration program, especially in the Manufacturing and Services sectors [Chart 4].

Chart 4: Employed persons by skill level, Malaysia, 2022^r and 2023

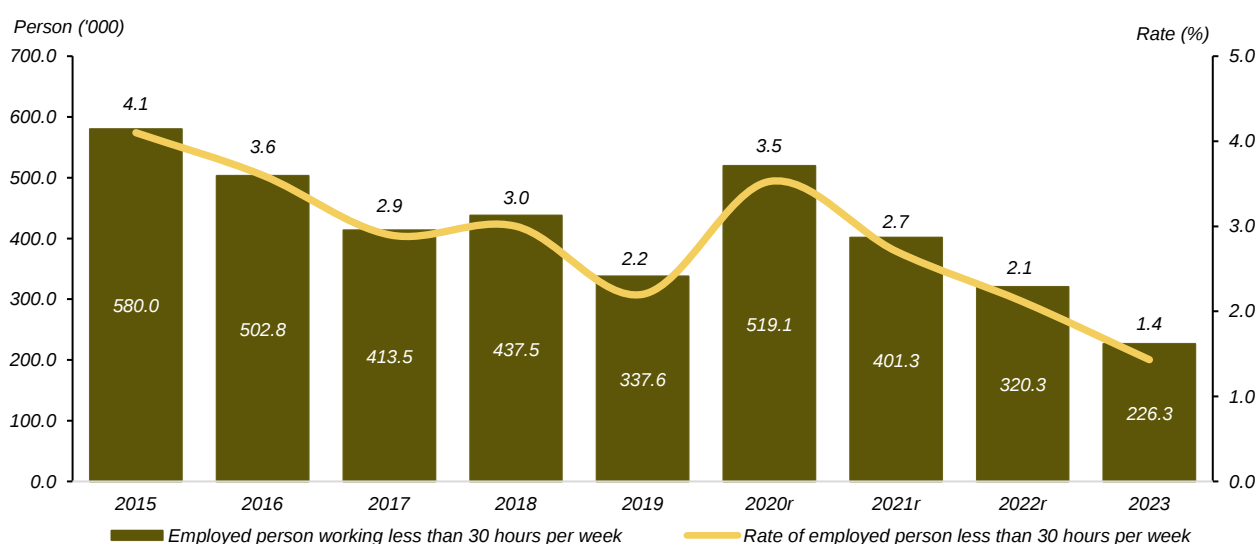
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Working less than 30 hours per week, time-related underemployment and skill-related underemployment

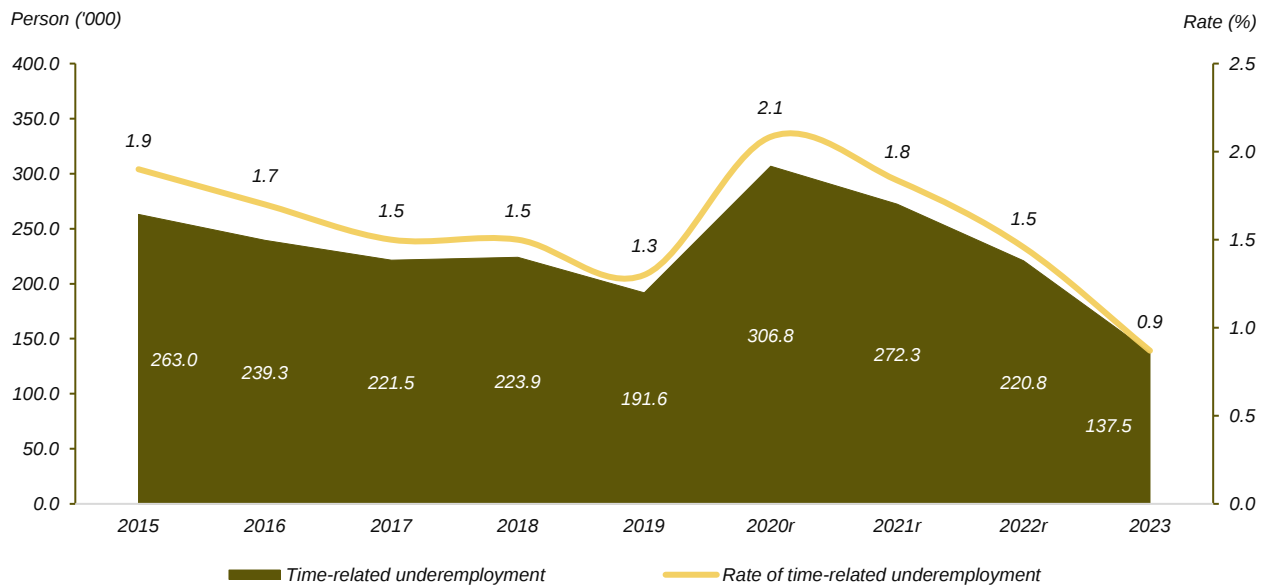
Employed persons working less than 30 hours per week refers to those who worked less than 30 hours during the reference week because of the nature of their work or due to insufficient work. As a review in 2023, Malaysia's economy continued to sustain a better performance, which led to a resilient labour market situation with a higher number of employed persons. Therefore, the number of employed persons working less than 30 hours per week significantly dropped by 29.3 per cent or equivalent to a reduction of 93.9 thousand persons to record 226.3 thousand persons (2022^r: 320.3 thousand persons). Those employed for less than 30 hours per week encompasses 1.4 per cent of the total employed persons, declining by 0.7 percentage points as compared to the previous year (2022^r: 2.1%) **[Chart 5]**.

Chart 5: Employed persons working less than 30 hours per week, Malaysia, 2015 - 2023



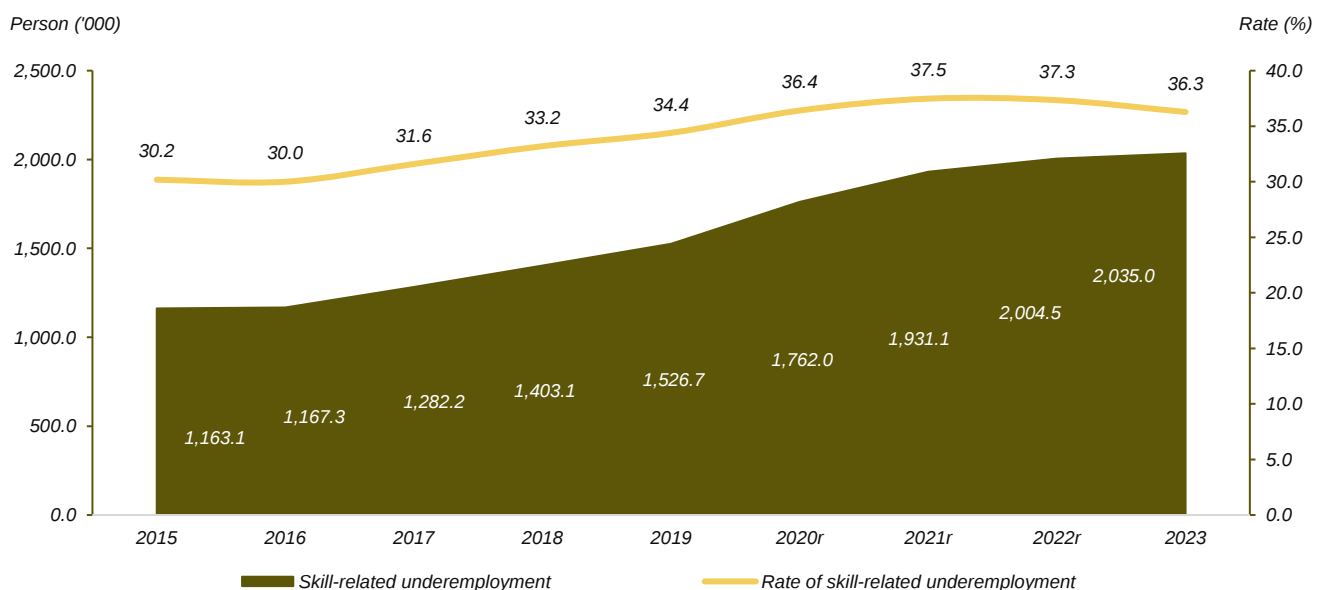
In line with this, the rate of time-related underemployment in 2023 edged down by 0.6 percentage points to record 0.9 per cent (2022^r: 1.5%), registering a decrease of 37.7 per cent (-83.3 thousand persons) to 137.5 thousand persons (2022^r: 220.8 thousand persons). Time-related underemployment is defined as those who were employed less than 30 hours per week due to the nature of their work or because of insufficient work and were able and willing to accept additional hours of work **[Chart 6]**.

Chart 6: Time-related underemployment, Malaysia, 2015 - 2023



Generally, overeducation job mismatch refers to a situation where a person has to accept a job that requires lower skills than his educational achievement. Thus, it can be portrayed through the indicator of skill-related underemployment, which measures those with tertiary education and working in the category of semi-skilled and low-skilled jobs. During the year, skill-related underemployment rose by 1.5 per cent with an addition of 30.4 thousand persons to register 2.03 million persons (2022r: 2.00 million persons). Despite the increment in the number, the share of skill-related underemployment continued to decrease by 1.0 percentage points to 36.3 per cent as compared to the previous year (2022r: 37.3%) [Chart 7].

Chart 7: Skilled-related underemployment, Malaysia, 2015 - 2023



In line with the current economic expansion, all operations in economic and social activities were operated continuously resulting in the increment of participation in the labour market, thus the number of employed persons who were temporarily not working remained on a downward trend with a reduction of 11.5 per cent (-9.5 thousand persons) to 73.5 thousand persons in 2023 (2022^r: 83.0 thousand persons).

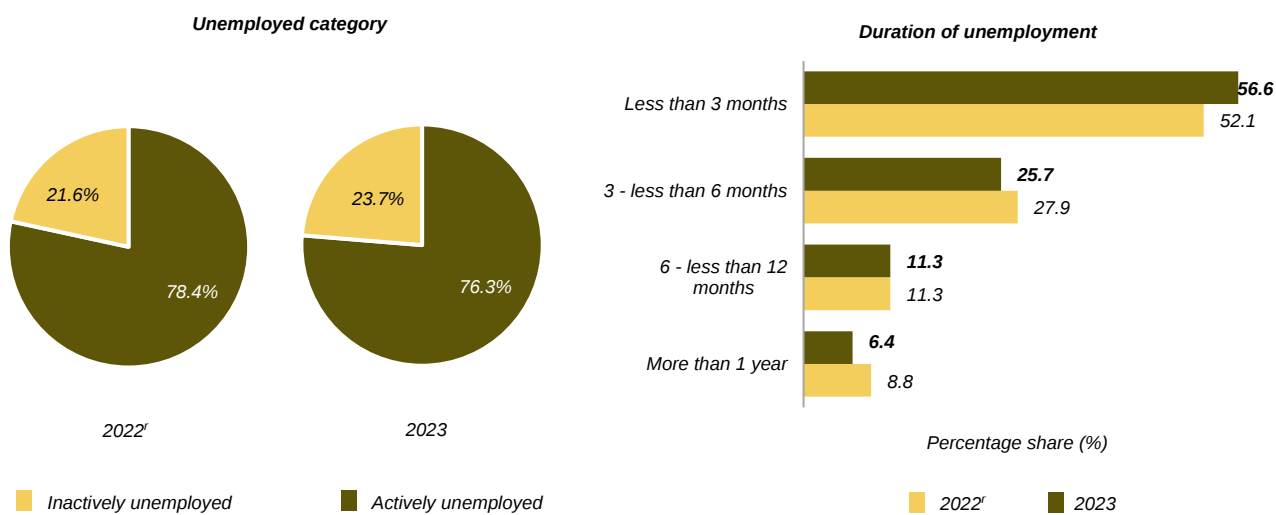
5. Unemployment

2023's unemployment rate almost returning to the pre-pandemic level

The unemployment rate in 2023 continued its downward trend, lessened by 0.5 percentage points to 3.4 per cent compared to the previous year (2022^r: 3.9%), almost returning to the pre-pandemic level of 3.3 per cent in 2019. Subsequently, the number of unemployed persons decreased by 9.9 per cent, albeit at a slower pace as compared to double-digit growth in the last year, registering 553.4 thousand persons (2022^r: -13.2%; 614.5 thousand persons).

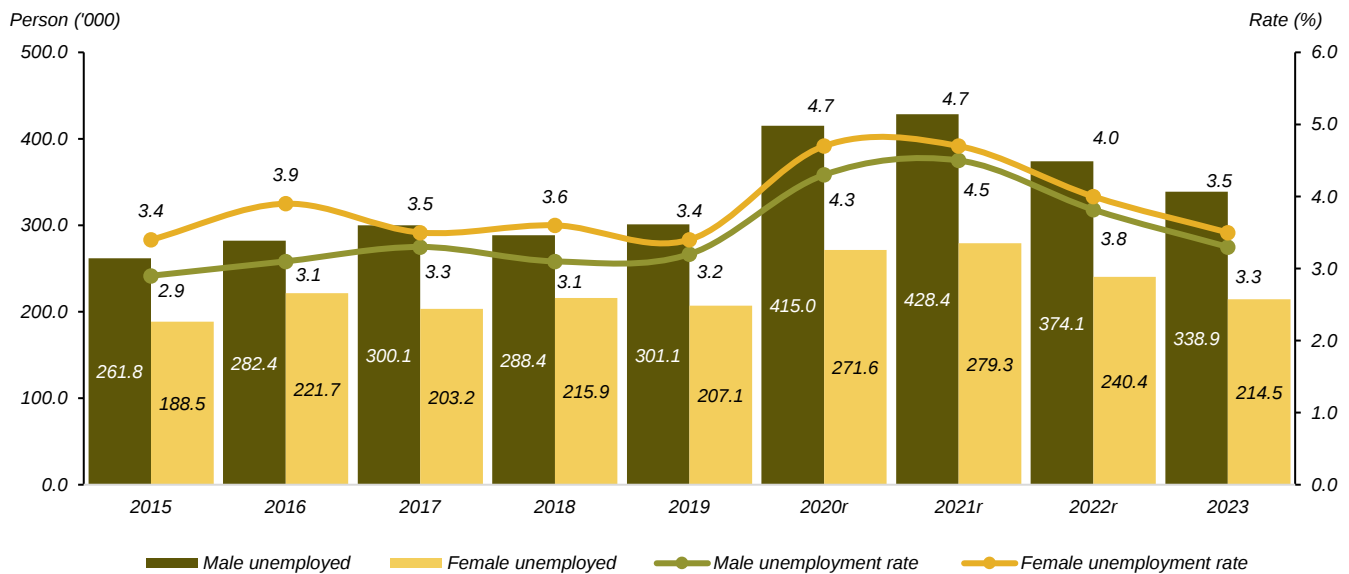
By the unemployment category, those who were available for work and were actively seeking jobs or the actively unemployed, made up 76.3 per cent of the total unemployed persons. This category edged down by 12.3 per cent, reaching 422.4 thousand persons (2022^r: 481.8 thousand persons). By duration of unemployment for the actively unemployed, 56.6 per cent were those who were unemployed for less than three months, whereas 6.4 per cent were those who were in long-term unemployment for more than a year. Likewise, the inactively unemployed or those who believed that there were no jobs available, slightly declined by 1.2 per cent to 131.1 thousand persons (2022^r: 132.7 thousand persons) **[Chart 8]**.

Chart 8: Unemployed category and duration of unemployment, Malaysia, 2022^r and 2023



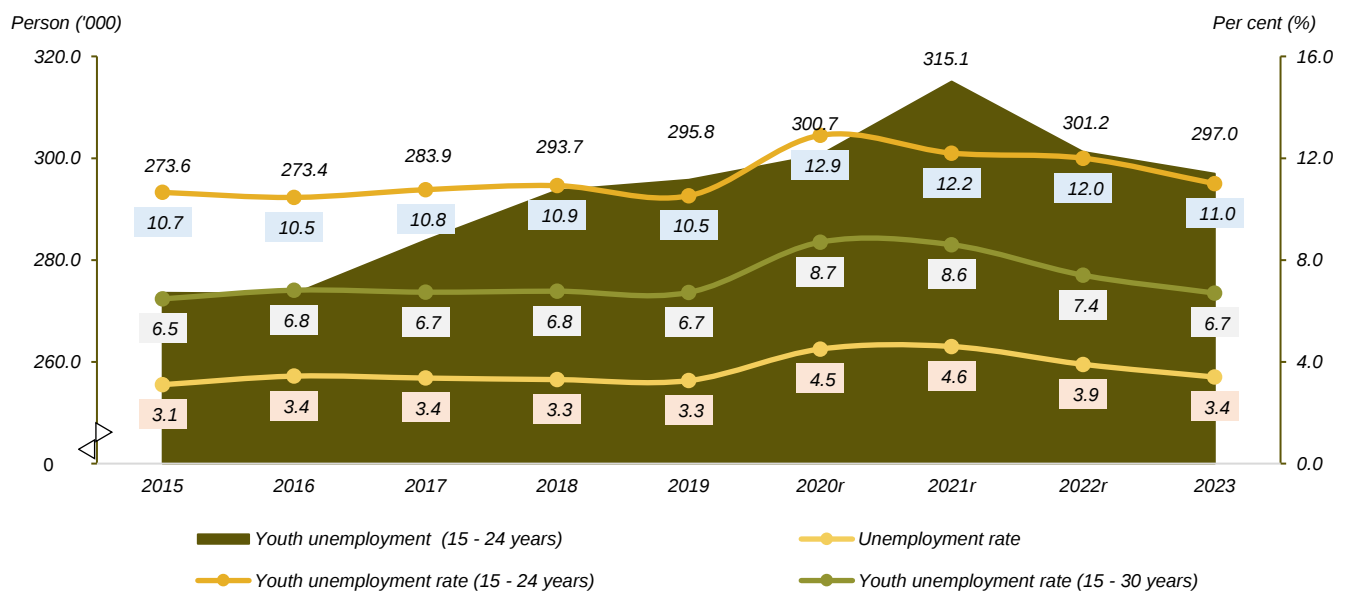
In comparison by sex, the unemployment rate for both males and females dropped by 0.5 percentage points to 3.3 per cent (2022: 3.8%) and 3.5 per cent (2022: 4.0%), respectively **[Chart 9]**.

Chart 9: Unemployed and unemployment rate by sex, Malaysia, 2015 - 2023



In 2023, the unemployment rate for youth aged 15 to 24 years declined by 1.0 percentage points to 11.0 per cent, recording the number of unemployed youths at 297.0 thousand persons (2022^r: 12.0%; 301.2 thousand persons). Similarly, youth aged 15 to 30 years edged down to 6.7 per cent, with the number of unemployed youths at 392.6 thousand persons (2022^r: 7.4%; 414.0 thousand persons). On the same note, the unemployment rate for adults aged 25 to 64 years decreased by 0.5 percentage points to 1.9 per cent, with 256.5 thousand unemployed persons (2022^r: 2.4%; 313.3 thousand persons) [Chart 10].

Chart 10: Unemployment rate by selected age groups, Malaysia, 2015 - 2023

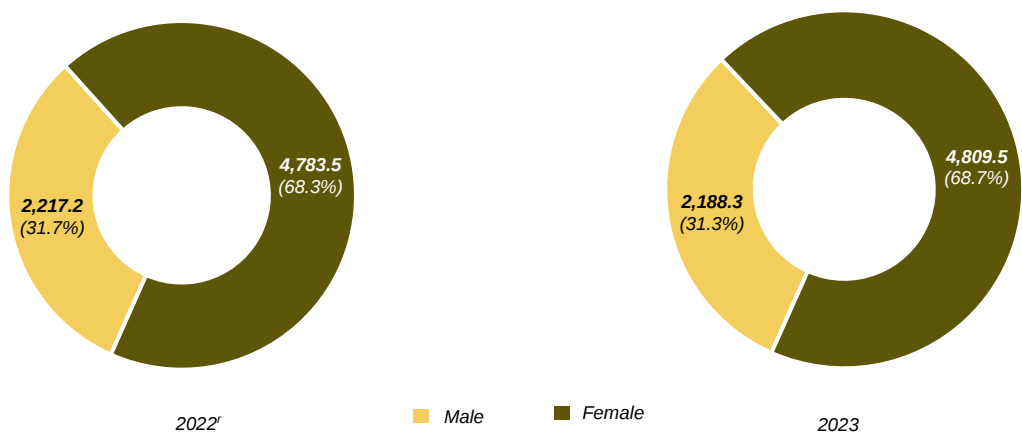


6. Outside Labour Force

Females comprised the largest composition of the outside labour force

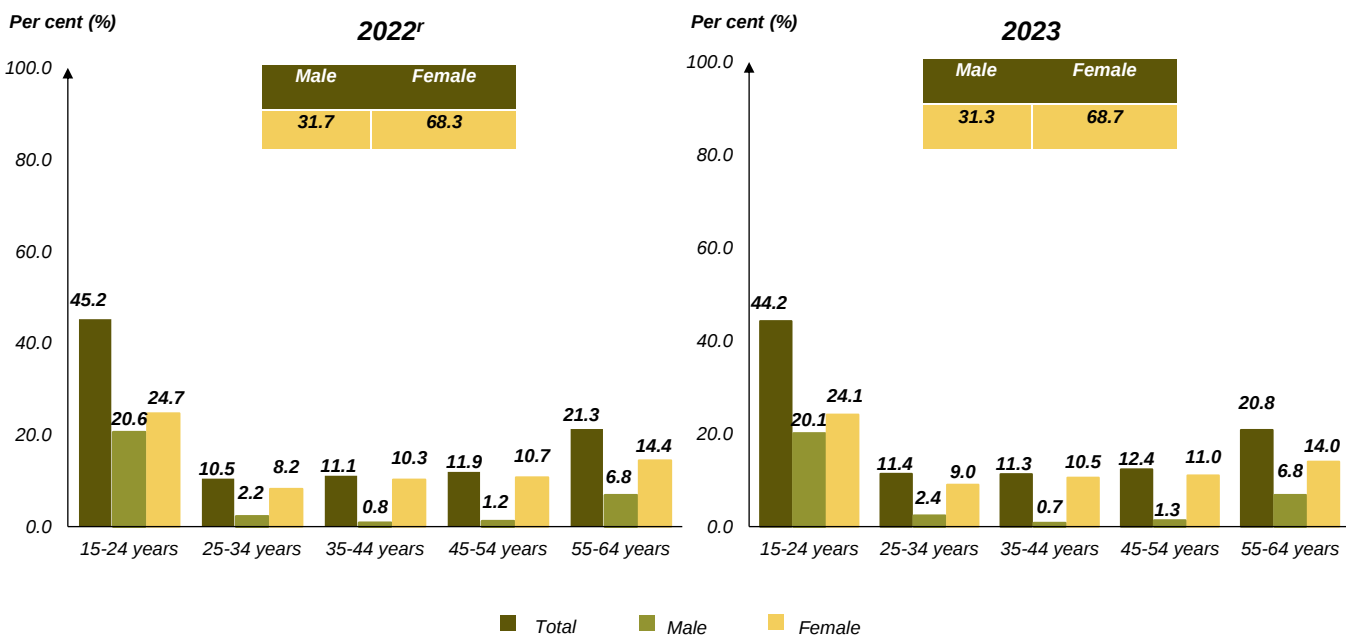
The number of persons outside the labour force declined marginally by 0.04 per cent or 2.9 thousand persons to 7.0 million persons in 2023 as against last year (2022^r: 7.0 million persons). Females comprised the largest composition of the outside labour force, representing 68.7 per cent of the total, while males accounted for the remaining 31.3 per cent. The number of females outside the labour force increased to 4.81 million persons, marking 0.5 per cent growth from the previous year (2022^r: 4.78 million persons). In contrast, the number of males kept on the decreasing trend, dropped by 1.3 per cent to 2.19 million (2022^r: 2.22 million persons) [Chart 11].

Chart 11: Population of outside labour force by sex, Malaysia, 2022^r and 2023 ('000)



Throughout the year, the age group of 15 to 24 years constituted the largest composition of the outside labour force, comprising a share of 44.2 per cent. Within this age group, 24.1 per cent were females and 20.1 per cent were males [Chart 12].

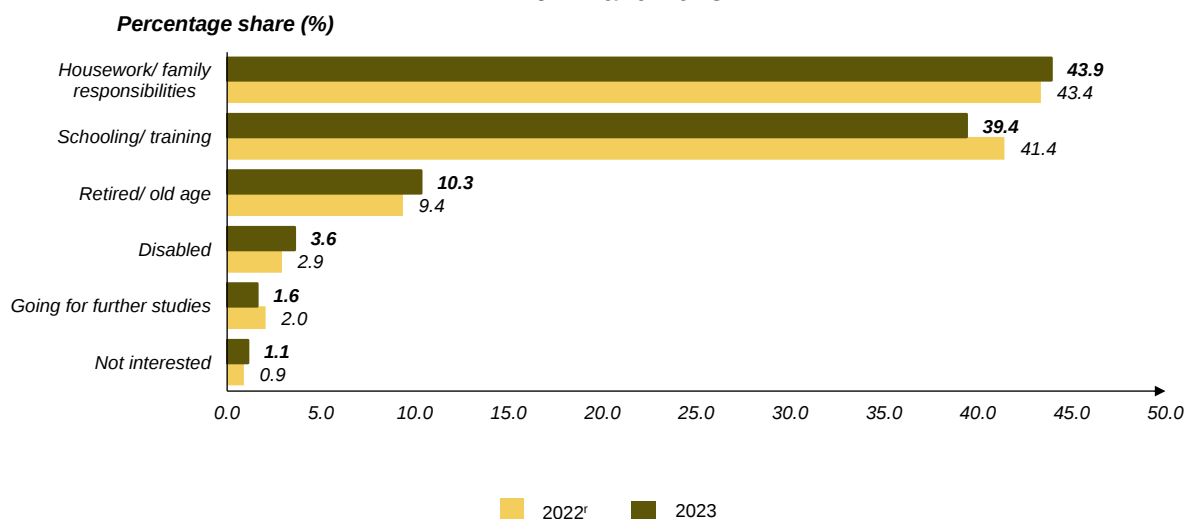
Chart 12: Population of outside labour force by age group and sex, Malaysia, 2022^r and 2023



Housework/ family responsibilities were the main reasons of the outside labour force

The main reason for being the outside labour force was due to housework/ family responsibilities, which contributed 43.9 per cent, increasing from 43.4 per cent of the share in the previous year. This was followed by schooling/ training category (39.4%) [Chart 13].

Chart 13: Share of outside labour force by reasons for not seeking work, Malaysia, 2022^r and 2023

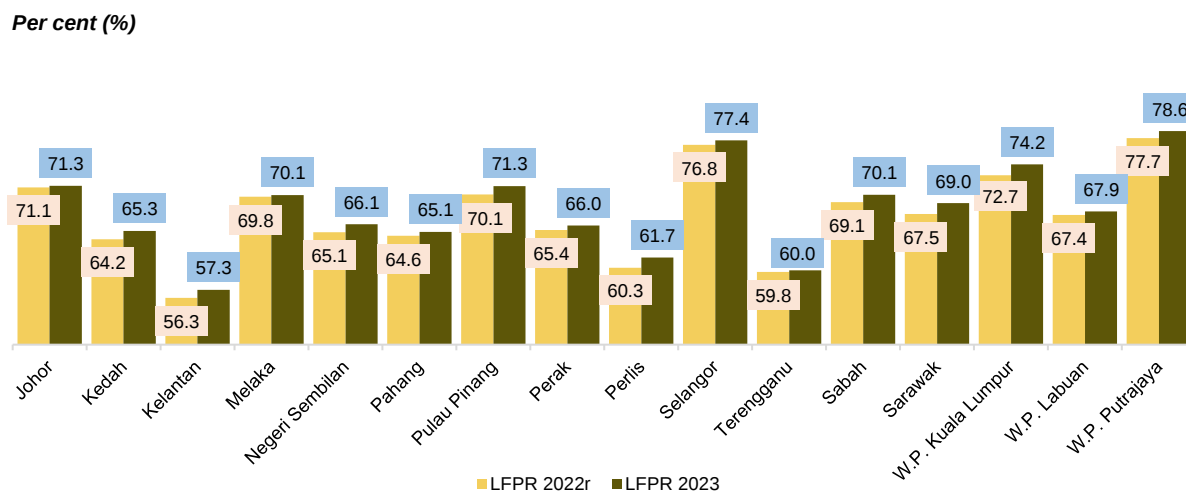


7. Selected Indicators by State

LFPR and unemployment rate by state

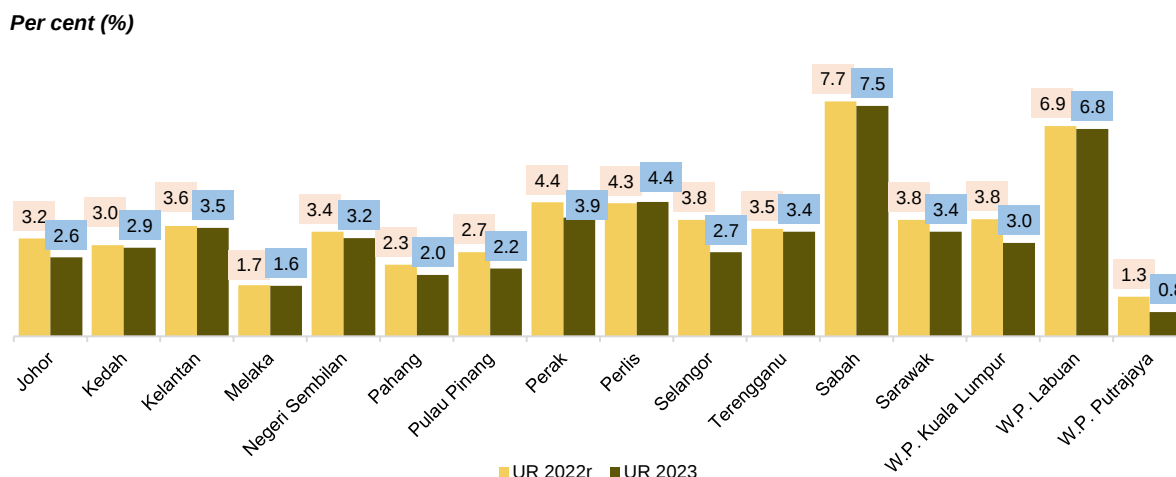
In terms of performance by states, all states saw a rise in LFPR throughout the year, indicating more people participating in the labour market. W.P. Putrajaya recorded the highest LFPR at 78.6 per cent, followed by Selangor (77.4%), W.P. Kuala Lumpur (74.2%), Johor and Pulau Pinang (71.3%) [Chart 14].

Chart 14: Labour force participation rate by state, 2022^r and 2023



Meanwhile, fifteen states recorded a decrease in the unemployment rate. W.P. Putrajaya registered the lowest unemployment rate at 0.8 per cent followed by Melaka (1.6%), Pahang (2.0%) and Pulau Pinang (2.2%) [Chart 15].

Chart 15: Unemployment rate by state, 2022^r and 2023



8. Looking Ahead

Throughout the year 2023, the normalisation of economic activities has had a positive impact on Malaysia's economy as well as the labour market. The healthier country's economic performance was mainly supported by stable domestic demand, increased tourism activities, the implementation of infrastructure projects, sustained FDI flows and a potential turnaround in external trade, which helped to sustain job opportunities during the year. Therefore, a steady labour force situation was portrayed in 2023.

Looking ahead, Malaysia's economy remains robust due to the country's economic transition towards better growth despite facing global challenges as a result of ongoing geopolitical tensions. This growth is driven by higher household consumption, a potential rebounding in external trade, rising tourist arrivals, and strong domestic demand. The continuous growth in domestic demand reflects that the reform agenda of the Ekonomi MADANI is starting to yield positive results and the effectiveness of the government's strategy to retarget subsidies without causing shocks to the overall economy⁶.

Furthermore, the National Energy Transition Roadmap (NETR), the NIMP 2030, and the 12MP will drive quality investments in high-value-added industries, particularly in high-tech, energy transition, and digital industries. This initiative will create more high-income job opportunities for citizens. Hence, there will be a need to build capacity, such as through the availability of highly skilled workers and the use of advanced technology in the production process. Therefore, more highly skilled jobs will be created in the future to meet this need. This situation will encourage more people to enter the job market, thus boosting the position of the country's labour market in the near future.

⁶ <https://www.sinarharian.com.my/article/666523/berita/nasional/pasaran-buruh-berkembang-19-peratus-suku-pertama-2024>



JADUAL STATISTIK: MALAYSIA

STATISTICAL TABLE: MALAYSIA

Jadual A1.1: Kadar penyertaan tenaga buruh mengikut kumpulan umur, strata dan jantina, Malaysia, 2023
Table A1.1: Labour force participation rate by age group, strata and sex, Malaysia, 2023

Kumpulan Umur Age Group	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah (%) Total	70.0	82.3	56.2	71.1	82.2	58.8	65.5	83.0	44.6
15 - 19	25.6	27.5	23.6	27.6	28.5	26.6	18.3	23.7	12.2
20 - 24	65.9	78.5	51.0	64.8	77.0	50.4	70.0	84.4	53.0
25 - 29	86.2	93.3	77.4	87.3	92.2	81.3	81.5	98.1	59.7
30 - 34	86.3	96.3	74.5	88.0	96.8	77.9	78.4	94.2	57.1
35 - 39	84.0	98.3	67.9	85.0	98.2	70.6	79.5	98.8	53.7
40 - 44	86.6	98.0	73.7	88.1	98.1	77.0	78.9	97.3	54.9
45 - 49	78.9	96.4	60.1	79.4	96.3	61.8	76.0	97.0	51.1
50 - 54	73.3	93.5	52.4	74.2	93.4	54.1	69.5	94.0	44.9
55 - 59	59.3	82.2	36.0	58.5	80.2	36.4	62.5	90.3	34.2
60 - 64	35.3	49.1	20.9	34.3	47.0	21.2	39.3	57.8	20.0

Jadual A1.2: Kadar penyertaan tenaga buruh mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2023
Table A1.2: Labour force participation rate by age group and ethnic group, Malaysia, 2023

Kumpulan Umur Age Group	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah (%) Total	70.0	68.1	67.2	70.6	68.9	64.6	87.2
15 - 19	25.6	23.4	21.3	28.4	29.2	35.8	67.8
20 - 24	65.9	62.4	64.5	56.1	57.9	56.9	88.4
25 - 29	86.2	85.4	88.6	71.7	93.1	70.5	89.6
30 - 34	86.3	86.1	84.4	95.0	78.0	73.6	87.3
35 - 39	84.0	83.2	83.4	84.7	79.4	62.6	89.8
40 - 44	86.6	86.1	84.4	90.6	86.8	75.1	92.0
45 - 49	78.9	78.2	74.3	87.2	79.7	77.4	87.1
50 - 54	73.3	72.7	69.9	78.4	74.9	68.0	86.3
55 - 59	59.3	58.8	56.1	62.0	67.7	68.8	75.6
60 - 64	35.3	34.3	28.7	45.8	32.4	67.2	76.8

Jadual A1.3: Kadar penyertaan tenaga buruh mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2023
Table A1.3: Labour force participation rate by age group, ethnic group and sex, Malaysia, 2023

Kumpulan Umur Age Group	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Lelaki (%) Male	82.3	80.4	80.8	79.9	79.0	79.2	93.9
15 - 19	27.5	24.6	24.5	25.3	21.6	42.0	78.6
20 - 24	78.5	75.7	81.1	63.6	49.8	56.0	92.1
25 - 29	93.3	93.8	94.8	88.8	97.3	95.7	91.9
30 - 34	96.3	97.2	97.3	96.7	98.2	95.8	93.0
35 - 39	98.3	98.4	98.5	99.0	97.9	80.6	98.0
40 - 44	98.0	97.7	97.6	98.5	97.9	84.2	99.5
45 - 49	96.4	96.1	95.0	98.5	96.4	91.3	99.3
50 - 54	93.5	93.1	93.8	92.2	90.5	93.5	98.9
55 - 59	82.2	81.7	81.0	81.7	87.7	91.2	93.6
60 - 64	49.1	47.7	43.2	54.4	54.3	92.2	91.6
Perempuan Female	56.2	55.5	53.4	60.9	58.7	48.6	68.9
15 - 19	23.6	22.1	17.9	31.8	37.2	28.8	54.0
20 - 24	51.0	48.3	46.7	48.2	66.5	58.1	79.6
25 - 29	77.4	76.8	82.1	54.2	88.6	42.5	82.8
30 - 34	74.5	75.0	71.7	93.4	57.8	50.8	67.2
35 - 39	67.9	68.3	68.5	70.7	60.2	42.1	62.8
40 - 44	73.7	73.8	70.7	82.3	74.9	65.2	69.9
45 - 49	60.1	60.3	53.7	75.5	63.3	65.5	55.3
50 - 54	52.4	52.3	46.4	64.0	59.8	47.9	53.6
55 - 59	36.0	36.0	32.1	41.1	49.0	48.8	35.2
60 - 64	20.9	20.6	14.1	36.5	12.3	35.3	42.2

Jadual A1.4: Kadar penyertaan tenaga buruh mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2023
Table A1.4: Labour force participation rate by age group, ethnic group and strata, Malaysia, 2023

Kumpulan Umur <i>Age Group</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Bandar (%) <i>Urban</i>	71.1	69.5	69.1	70.8	69.3	60.1	86.9
15 - 19	27.6	25.6	23.6	29.3	30.8	40.5	68.0
20 - 24	64.8	61.6	64.2	55.5	56.6	38.1	88.0
25 - 29	87.3	86.9	91.8	70.7	93.2	67.0	88.9
30 - 34	88.0	88.1	87.0	95.4	77.6	68.1	87.1
35 - 39	85.0	84.5	85.2	84.8	79.5	59.7	89.3
40 - 44	88.1	87.8	86.5	91.1	87.4	72.5	92.4
45 - 49	79.4	79.0	74.3	88.1	79.9	70.1	85.9
50 - 54	74.2	73.6	70.4	78.8	76.0	66.8	86.1
55 - 59	58.5	58.0	53.9	61.9	68.5	61.5	76.1
60 - 64	34.3	33.5	25.9	45.4	31.8	62.2	75.9
Luar bandar <i>Rural</i>	65.5	61.6	61.1	65.6	63.1	74.7	88.2
15 - 19	18.3	14.8	14.8	14.3	10.6	28.9	67.3
20 - 24	70.0	65.9	65.2	68.3	74.8	91.5	89.2
25 - 29	81.5	78.3	77.1	91.6	91.7	80.9	91.8
30 - 34	78.4	75.5	74.4	87.9	83.8	88.2	87.8
35 - 39	79.5	76.5	76.1	84.0	77.5	70.9	90.9
40 - 44	78.9	76.5	76.1	78.5	78.1	84.9	90.9
45 - 49	76.0	74.1	74.4	67.2	76.6	87.5	90.3
50 - 54	69.5	68.4	68.4	71.9	54.3	71.7	86.8
55 - 59	62.5	62.1	61.9	63.8	55.9	79.9	74.1
60 - 64	39.3	37.8	35.9	52.7	40.7	75.6	78.8

Jadual A1.5: Kadar penyertaan tenaga buruh mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2023
Table A1.5: Labour force participation rate by educational attainment, strata and sex, Malaysia, 2023

Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah (%) <i>Total</i>	70.0	82.3	56.2	71.1	82.2	58.8	65.5	83.0	44.6
Tiada pendidikan rasmi <i>No formal education</i>	67.0	85.0	46.9	69.9	85.9	52.0	61.9	83.5	38.0
Rendah <i>Primary</i>	70.1	89.8	45.3	67.7	87.5	44.7	74.3	93.5	46.5
Menengah <i>Secondary</i>	67.4	80.5	51.1	68.4	80.1	53.8	63.3	81.7	40.0
Tertiari <i>Tertiary</i>	74.8	83.7	66.6	75.9	84.5	67.9	66.3	77.2	56.5

Jadual A1.6: Kadar penyertaan tenaga buruh mengikut pencapaian pendidikan dan kumpulan etnik, Malaysia, 2023 Table A1.6: Labour force participation rate by educational attainment and ethnic group, Malaysia, 2023							
Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah (%) <i>Total</i>	70.0	68.1	67.2	70.6	68.9	64.6	87.2
Tiada pendidikan rasmi <i>No formal education</i>	67.0	47.5	48.1	48.7	33.0	57.1	84.9
Rendah <i>Primary</i>	70.1	56.8	58.4	52.8	54.3	66.5	91.8
Menengah <i>Secondary</i>	67.4	65.3	64.7	66.6	67.4	66.0	90.5
Tertiari <i>Tertiary</i>	74.8	75.2	73.6	79.6	75.7	61.1	63.9

Jadual A1.7: Kadar penyertaan tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2023 Table A1.7: Labour force participation rate by educational attainment, ethnic group and sex, Malaysia, 2023							
Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Lelaki (%) <i>Male</i>	82.3	80.4	80.8	79.9	79.0	79.2	93.9
Tiada pendidikan rasmi <i>No formal education</i>	85.0	70.7	71.6	63.1	70.0	93.9	94.6
Rendah <i>Primary</i>	89.8	81.6	85.4	71.8	81.8	86.3	98.5
Menengah <i>Secondary</i>	80.5	78.3	78.9	76.3	77.5	80.5	97.4
Tertiari <i>Tertiary</i>	83.7	84.6	84.2	86.8	81.4	71.6	67.7
Perempuan (%) <i>Female</i>	56.2	55.5	53.4	60.9	58.7	48.6	68.9
Tiada pendidikan rasmi <i>No formal education</i>	46.9	29.1	28.6	36.9	17.6	42.4	70.0
Rendah <i>Primary</i>	45.3	35.3	34.8	36.6	33.8	48.3	75.3
Menengah <i>Secondary</i>	51.1	50.4	48.0	56.1	55.9	49.5	67.3
Tertiari <i>Tertiary</i>	66.6	66.9	64.8	72.4	70.5	48.0	49.2

Jadual A1.8: Kadar penyertaan tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2023
Table A1.8: Labour force participation rate by educational attainment, ethnic group and strata, Malaysia, 2023

Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non- Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Bandar (%) <i>Urban</i>	71.1	69.5	69.1	70.8	69.3	60.1	86.9
Tiada pendidikan rasmi <i>No formal education</i>	69.9	45.4	45.6	49.6	33.6	57.4	88.1
Rendah <i>Primary</i>	67.7	52.9	53.5	51.8	53.0	56.9	93.5
Menengah <i>Secondary</i>	68.4	66.6	66.4	66.7	67.7	62.4	90.1
Tertiari <i>Tertiary</i>	75.9	76.4	75.1	79.7	76.0	57.0	62.7
Luar Bandar (%) <i>Rural</i>	65.5	61.6	61.1	65.6	63.1	74.7	88.2
Tiada pendidikan rasmi <i>No formal education</i>	61.9	50.1	50.6	40.0	27.0	56.6	77.5
Rendah <i>Primary</i>	74.3	63.9	63.8	61.2	63.3	80.9	89.1
Menengah <i>Secondary</i>	63.3	60.2	59.6	65.1	63.0	73.5	91.9
Tertiari <i>Tertiary</i>	66.3	66.0	65.5	72.8	66.8	77.6	80.4

Jadual A1.9: Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperolehi, strata dan jantina, Malaysia, 2023
Table A1.9: Labour force participation rate by highest certificate obtained, strata and sex, Malaysia, 2023

Sijil tertinggi diperolehi Highest certificate obtained	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah (%) Total	70.0	82.3	56.2	71.1	82.2	58.8	65.5	83.0	44.6
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	56.7	71.2	38.4	54.3	66.7	39.2	62.4	81.2	36.4
PT3/PMR/SRP/LCE/ SRA atau yang setaraf PT3/PMR/SRP/LCE/ SRA or equivalent	48.5	60.1	33.3	47.8	57.8	35.1	50.4	66.9	27.9
SPM atau yang setaraf SPM or equivalent	71.8	87.3	53.8	72.6	87.2	55.8	68.0	88.0	44.3
STPM atau yang setaraf STPM or equivalent	60.3	75.2	48.0	60.8	75.2	48.5	57.6	75.2	45.7
Sijil Certificate	86.6	92.8	74.7	87.2	92.8	76.5	84.0	92.7	65.9
Diploma	80.2	88.4	72.7	80.5	88.2	73.5	77.4	89.6	65.5
Ijazah Degree	87.9	92.3	83.6	88.1	92.3	83.8	85.8	91.8	80.8
Tiada sijil No certificate	70.1	87.1	48.4	67.3	84.0	47.9	74.6	91.6	49.3
Tidak berkenaan Not applicable	66.8	84.9	46.7	69.9	85.9	52.1	61.2	83.2	37.3

Jadual A1.10: Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh dan kumpulan etnik, Malaysia, 2023
Table A1.10: Labour force participation rate by highest certificate obtained and ethnic group, Malaysia, 2023

Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah (%) <i>Total</i>	70.0	68.1	67.2	70.6	68.9	64.6	87.2
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	56.7	47.0	44.6	51.7	48.6	60.8	90.1
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	48.5	41.6	39.3	45.1	49.3	52.3	91.8
SPM atau yang setaraf <i>SPM or equivalent</i>	71.8	70.8	70.0	72.5	73.2	68.6	87.0
STPM atau yang setaraf <i>STPM or equivalent</i>	60.3	60.0	58.1	65.7	59.4	78.5	67.0
Sijil <i>Certificate</i>	86.6	86.6	87.2	85.3	80.0	78.9	84.6
Diploma	80.2	80.6	80.3	82.9	77.7	56.7	63.9
Ijazah <i>Degree</i>	87.9	88.5	88.5	88.8	88.0	75.3	74.2
Tiada sijil <i>No certificate</i>	70.1	52.4	54.0	45.4	55.1	71.2	91.3
Tidak berkenaan <i>Not applicable</i>	66.8	47.3	48.0	48.1	33.4	57.1	84.8

Jadual A1.11: Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2023
Table A1.11: Labour force participation rate by highest certificate obtained, ethnic group and sex, Malaysia, 2023

Lelaki/Male							
Sijil tertinggi diperoleh Highest certificate obtained	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non-Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah (%) Total	82.3	80.4	80.8	79.9	79.0	79.2	93.9
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	71.2	60.3	58.3	63.4	62.8	80.9	97.4
PT3/PMR/SRP/LCE/SRA atau yang setaraf PT3/PMR/SRP/LCE/SRA or equivalent	60.1	51.1	50.1	52.5	54.2	71.0	98.6
SPM atau yang setaraf SPM or equivalent	87.3	86.8	87.6	84.6	85.6	78.7	92.6
STPM atau yang setaraf STPM or equivalent	75.2	75.5	77.2	75.0	59.9	85.3	69.7
Sijil Certificate	92.8	93.0	93.6	91.5	85.2	81.6	86.1
Diploma	88.4	89.2	89.3	89.6	89.0	69.3	66.8
Ijazah Degree	92.3	93.1	93.1	93.5	92.1	99.4	80.7
Tiada sijil No certificate	87.1	73.8	77.3	62.8	77.2	85.3	98.0
Tidak berkenaan Not applicable	84.9	70.7	71.7	62.1	70.0	93.9	94.4

Jadual A1.11: Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperolehi, kumpulan etnik dan jantina, Malaysia, 2023 (samb.)
Table A1.11: Labour force participation rate by highest certificate obtained, ethnic group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female							
Sijil tertinggi diperolehi <i>Highest certificate obtained</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah (%) <i>Total</i>	56.2	55.5	53.4	60.9	58.7	48.6	68.9
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	38.4	33.3	30.4	39.6	34.5	41.8	70.3
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	33.3	30.6	26.8	36.7	44.1	35.1	68.3
SPM atau yang setaraf <i>SPM or equivalent</i>	53.8	53.4	50.5	60.8	59.6	55.2	67.0
STPM atau yang setaraf <i>STPM or equivalent</i>	48.0	47.7	44.8	55.8	58.9	71.0	61.0
Sijil <i>Certificate</i>	74.7	74.6	74.7	75.1	73.1	72.2	78.1
Diploma	72.7	72.9	72.6	76.0	68.6	40.3	53.9
Ijazah <i>Degree</i>	83.6	84.2	84.6	83.6	83.8	48.9	44.7
Tiada sijil <i>No certificate</i>	48.4	33.9	34.2	28.5	38.0	61.4	77.3
Tidak berkenaan <i>Not applicable</i>	46.7	29.1	28.6	36.9	18.0	42.4	69.9

Jadual A1.12: Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2023
Table A1.12: Labour force participation rate by highest certificate obtained, ethnic group and strata, Malaysia, 2023

Bandar/Urban							
Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah (%) <i>Total</i>	71.1	69.5	69.1	70.8	69.3	60.1	86.9
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	54.3	44.5	39.5	51.1	47.9	53.6	91.1
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	47.8	41.2	38.0	44.8	50.0	47.8	91.4
SPM atau yang setaraf <i>SPM or equivalent</i>	72.6	71.7	71.3	72.5	73.3	63.5	85.5
STPM atau yang setaraf <i>STPM or equivalent</i>	60.8	60.9	59.0	65.8	59.2	75.5	59.8
Sijil <i>Certificate</i>	87.2	87.2	88.2	84.7	79.5	65.6	86.2
Diploma	80.5	81.0	80.9	82.7	77.6	54.5	61.7
Ijazah <i>Degree</i>	88.1	88.7	88.8	88.7	87.9	70.7	74.6
Tiada sijil <i>No certificate</i>	67.3	48.5	48.2	45.9	54.2	67.5	93.6
Tidak berkenaan <i>Not applicable</i>	69.9	45.1	45.3	48.9	34.1	57.4	88.1

Jadual A1.12: Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2023 (samb.)
Table A1.12: Labour force participation rate by highest certificate obtained, ethnic group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural							
Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah (%) <i>Total</i>	65.5	61.6	61.1	65.6	63.1	74.7	88.2
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	62.4	53.3	52.5	57.8	54.4	73.8	88.2
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	50.4	42.8	42.0	49.0	41.4	59.5	92.7
SPM atau yang setaraf <i>SPM or equivalent</i>	68.0	66.1	65.4	72.6	71.6	82.3	93.5
STPM atau yang setaraf <i>STPM or equivalent</i>	57.6	56.0	55.2	63.2	64.9	85.2	86.8
Sijil <i>Certificate</i>	84.0	84.2	83.6	100.0	90.1	100.0	71.5
Diploma	77.4	77.2	76.7	88.4	78.6	69.0	91.1
Ijazah <i>Degree</i>	85.8	86.2	85.4	93.8	93.2	95.7	65.3
Tiada sijil <i>No certificate</i>	74.6	59.8	60.7	41.2	60.6	74.7	88.4
Tidak berkenaan <i>Not applicable</i>	61.2	50.1	50.6	40.0	27.0	56.6	76.6

Jadual A2.1: Tenaga buruh mengikut kumpulan umur, strata dan jantina, Malaysia, 2023
Table A2.1: Labour force by age group, strata and sex, Malaysia, 2023

Kumpulan umur Age group	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total	16,366.8	10,188.5	6,178.3	13,505.4	8,212.6	5,292.9	2,861.4	1,975.9	885.4
15 - 19	711.4	399.3	312.1	604.9	326.6	278.3	106.5	72.7	33.8
20 - 24	1,986.0	1,282.3	703.7	1,550.8	998.5	552.3	435.2	283.8	151.3
25 - 29	2,499.9	1,495.3	1,004.5	2,049.5	1,187.2	862.3	450.4	308.1	142.3
30 - 34	2,484.3	1,499.2	985.1	2,077.5	1,218.9	858.6	406.8	280.2	126.5
35 - 39	2,402.5	1,487.6	914.9	2,010.3	1,209.1	801.2	392.2	278.5	113.7
40 - 44	2,154.8	1,299.8	855.0	1,834.9	1,076.4	758.5	319.9	223.4	96.4
45 - 49	1,549.5	978.5	571.0	1,297.6	804.1	493.5	251.9	174.4	77.5
50 - 54	1,234.7	802.3	432.3	1,021.5	657.8	363.7	213.1	144.5	68.6
55 - 59	880.2	615.2	265.0	696.1	481.1	215.0	184.1	134.1	49.9
60 - 64	463.6	328.8	134.8	362.3	252.8	109.4	101.4	76.0	25.3
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	4.3	3.9	5.1	4.5	4.0	5.3	3.7	3.7	3.8
20 - 24	12.1	12.6	11.4	11.5	12.2	10.4	15.2	14.4	17.1
25 - 29	15.3	14.7	16.3	15.2	14.5	16.3	15.7	15.6	16.1
30 - 34	15.2	14.7	15.9	15.4	14.8	16.2	14.2	14.2	14.3
35 - 39	14.7	14.6	14.8	14.9	14.7	15.1	13.7	14.1	12.8
40 - 44	13.2	12.8	13.8	13.6	13.1	14.3	11.2	11.3	10.9
45 - 49	9.5	9.6	9.2	9.6	9.8	9.3	8.8	8.8	8.8
50 - 54	7.5	7.9	7.0	7.6	8.0	6.9	7.4	7.3	7.7
55 - 59	5.4	6.0	4.3	5.2	5.9	4.1	6.4	6.8	5.6
60 - 64	2.8	3.2	2.2	2.7	3.1	2.1	3.5	3.8	2.9

Jadual A2.2:
Table A2.2:

Tenaga buruh mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2023
Labour force by age group and ethnic group, Malaysia, 2023

Kumpulan umur <i>Age group</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non- Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	16,366.8	14,293.1	9,756.6	3,451.2	996.1	89.1	2,073.7
15 - 19	711.4	616.7	404.6	156.7	50.0	5.4	94.7
20 - 24	1,986.0	1,631.7	1,249.3	278.0	93.3	11.1	354.3
25 - 29	2,499.9	2,020.7	1,530.5	333.1	144.0	13.2	479.1
30 - 34	2,484.3	2,098.1	1,482.7	473.2	128.8	13.3	386.2
35 - 39	2,402.5	2,097.7	1,479.6	469.0	136.0	13.0	304.7
40 - 44	2,154.8	1,947.2	1,281.0	509.2	145.8	11.1	207.6
45 - 49	1,549.5	1,430.4	882.3	432.7	108.2	7.2	119.1
50 - 54	1,234.7	1,164.5	711.5	359.2	87.8	6.0	70.2
55 - 59	880.2	845.5	507.4	262.4	71.2	4.5	34.7
60 - 64	463.6	440.5	227.6	177.6	31.0	4.3	23.1
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	4.3	4.3	4.1	4.5	5.0	6.1	4.6
20 - 24	12.1	11.4	12.8	8.1	9.4	12.5	17.1
25 - 29	15.3	14.1	15.7	9.7	14.5	14.8	23.1
30 - 34	15.2	14.7	15.2	13.7	12.9	14.9	18.6
35 - 39	14.7	14.7	15.2	13.6	13.7	14.6	14.7
40 - 44	13.2	13.6	13.1	14.8	14.6	12.5	10.0
45 - 49	9.5	10.0	9.0	12.5	10.9	8.1	5.7
50 - 54	7.5	8.1	7.3	10.4	8.8	6.7	3.4
55 - 59	5.4	5.9	5.2	7.6	7.1	5.0	1.7
60 - 64	2.8	3.1	2.3	5.1	3.1	4.8	1.1

Jadual A2.3: Tenaga buruh mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2023
Table A2.3: Labour force by age group, ethnic group and sex, Malaysia, 2023

Lelaki/Male							
Kumpulan umur Age group	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non-Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	10,188.5	8,549.6	5,927.2	1,989.7	575.6	57.1	1,638.9
15 - 19	399.3	337.6	242.6	72.6	19.1	3.4	61.7
20 - 24	1,282.3	1,023.0	813.4	161.8	41.4	6.4	259.3
25 - 29	1,495.3	1,125.3	829.9	208.9	77.1	9.4	370.0
30 - 34	1,499.2	1,179.1	848.7	240.8	80.8	8.8	320.1
35 - 39	1,487.6	1,232.5	866.8	271.4	85.4	8.9	255.1
40 - 44	1,299.8	1,132.4	757.3	283.4	85.2	6.5	167.4
45 - 49	978.5	880.4	563.7	247.9	64.9	3.9	98.1
50 - 54	802.3	744.3	473.0	215.5	52.1	3.6	58.0
55 - 59	615.2	585.5	360.0	178.0	44.7	2.8	29.7
60 - 64	328.8	309.5	171.8	109.5	24.9	3.3	19.3
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	3.9	3.9	4.1	3.6	3.3	5.9	3.8
20 - 24	12.6	12.0	13.7	8.1	7.2	11.2	15.8
25 - 29	14.7	13.2	14.0	10.5	13.4	16.5	22.6
30 - 34	14.7	13.8	14.3	12.1	14.0	15.4	19.5
35 - 39	14.6	14.4	14.6	13.6	14.8	15.6	15.6
40 - 44	12.8	13.2	12.8	14.2	14.8	11.4	10.2
45 - 49	9.6	10.3	9.5	12.5	11.3	6.9	6.0
50 - 54	7.9	8.7	8.0	10.8	9.1	6.4	3.5
55 - 59	6.0	6.8	6.1	8.9	7.8	4.9	1.8
60 - 64	3.2	3.6	2.9	5.5	4.3	5.7	1.2

Jadual A2.3: Tenaga buruh mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2023 (samb.)
Table A2.3: Labour force by age group, ethnic group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female							
Kumpulan umur Age group	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non-Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	6,178.3	5,743.5	3,829.4	1,461.5	420.5	32.1	434.8
15 - 19	312.1	279.1	162.1	84.1	30.8	2.1	33.0
20 - 24	703.7	608.7	435.9	116.2	52.0	4.7	94.9
25 - 29	1,004.5	895.4	700.6	124.2	66.9	3.8	109.1
30 - 34	985.1	919.0	634.0	232.5	48.0	4.5	66.1
35 - 39	914.9	865.2	612.9	197.7	50.6	4.1	49.6
40 - 44	855.0	814.8	523.8	225.8	60.6	4.6	40.2
45 - 49	571.0	550.0	318.6	184.9	43.3	3.3	21.0
50 - 54	432.3	420.2	238.5	143.7	35.6	2.4	12.1
55 - 59	265.0	260.0	147.4	84.5	26.5	1.7	5.0
60 - 64	134.8	131.0	55.7	68.1	6.1	1.0	3.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	5.1	4.9	4.2	5.8	7.3	6.4	7.6
20 - 24	11.4	10.6	11.4	7.9	12.4	14.6	21.8
25 - 29	16.3	15.6	18.3	8.5	15.9	11.7	25.1
30 - 34	15.9	16.0	16.6	15.9	11.4	14.0	15.2
35 - 39	14.8	15.1	16.0	13.5	12.0	12.8	11.4
40 - 44	13.8	14.2	13.7	15.4	14.4	14.4	9.2
45 - 49	9.2	9.6	8.3	12.6	10.3	10.2	4.8
50 - 54	7.0	7.3	6.2	9.8	8.5	7.4	2.8
55 - 59	4.3	4.5	3.8	5.8	6.3	5.2	1.1
60 - 64	2.2	2.3	1.5	4.7	1.5	3.1	0.9

Jadual A2.4: Tenaga buruh mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2023
Table A2.4: Labour force by age group, ethnic group and strata, Malaysia, 2023

Bandar/Urban							
Kumpulan umur Age group	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	13,505.4	12,004.5	7,710.1	3,296.5	940.4	57.6	1,500.9
15 - 19	604.9	536.1	332.1	151.9	48.5	3.6	68.9
20 - 24	1,550.8	1,293.8	942.2	261.7	85.1	4.8	257.0
25 - 29	2,049.5	1,692.5	1,235.7	311.9	135.5	9.4	357.0
30 - 34	2,077.5	1,797.1	1,212.7	454.3	121.2	9.0	280.4
35 - 39	2,010.3	1,798.6	1,208.6	452.2	128.6	9.2	211.7
40 - 44	1,834.9	1,690.0	1,053.1	490.1	138.4	8.5	144.9
45 - 49	1,297.6	1,212.7	688.4	418.3	102.2	3.8	84.9
50 - 54	1,021.5	967.6	537.4	341.1	84.6	4.5	54.0
55 - 59	696.1	669.6	351.6	248.0	67.6	2.4	26.5
60 - 64	362.3	346.5	148.3	167.0	28.7	2.5	15.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	4.5	4.5	4.3	4.6	5.2	6.3	4.6
20 - 24	11.5	10.8	12.2	7.9	9.1	8.4	17.1
25 - 29	15.2	14.1	16.0	9.5	14.4	16.3	23.8
30 - 34	15.4	15.0	15.7	13.8	12.9	15.6	18.7
35 - 39	14.9	15.0	15.7	13.7	13.7	16.0	14.1
40 - 44	13.6	14.1	13.7	14.9	14.7	14.7	9.7
45 - 49	9.6	10.1	8.9	12.7	10.9	6.5	5.7
50 - 54	7.6	8.1	7.0	10.3	9.0	7.8	3.6
55 - 59	5.2	5.6	4.6	7.5	7.2	4.2	1.8
60 - 64	2.7	2.9	1.9	5.1	3.1	4.3	1.1

Jadual A2.4: Tenaga buruh mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2023 (samb.)
Table A2.4: Labour force by age group, ethnic group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural							
Kumpulan umur Age group	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	2,861.4	2,288.6	2,046.5	154.8	55.7	31.6	572.8
15 - 19	106.5	80.6	72.6	4.8	1.5	1.8	25.9
20 - 24	435.2	337.9	307.1	16.3	8.2	6.3	97.3
25 - 29	450.4	328.2	294.8	21.2	8.4	3.8	122.2
30 - 34	406.8	301.0	270.1	19.0	7.6	4.4	105.8
35 - 39	392.2	299.2	271.0	16.9	7.4	3.8	93.0
40 - 44	319.9	257.2	227.9	19.1	7.4	2.7	62.7
45 - 49	251.9	217.7	193.9	14.4	6.0	3.4	34.2
50 - 54	213.1	196.9	174.1	18.1	3.2	1.5	16.2
55 - 59	184.1	175.9	155.8	14.4	3.6	2.1	8.2
60 - 64	101.4	94.0	79.3	10.6	2.3	1.8	7.4
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	3.7	3.5	3.5	3.1	2.7	5.7	4.5
20 - 24	15.2	14.8	15.0	10.5	14.8	19.9	17.0
25 - 29	15.7	14.3	14.4	13.7	15.1	12.0	21.3
30 - 34	14.2	13.2	13.2	12.3	13.6	13.9	18.5
35 - 39	13.7	13.1	13.2	10.9	13.4	12.0	16.2
40 - 44	11.2	11.2	11.1	12.4	13.3	8.5	10.9
45 - 49	8.8	9.5	9.5	9.3	10.7	10.8	6.0
50 - 54	7.4	8.6	8.5	11.7	5.7	4.7	2.8
55 - 59	6.4	7.7	7.6	9.3	6.5	6.6	1.4
60 - 64	3.5	4.1	3.9	6.9	4.2	5.7	1.3

Jadual A2.5: Tenaga buruh mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2023
Table A2.5: Labour force by educational attainment, strata and sex, Malaysia, 2023

Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) <i>Total</i>	16,366.8	10,188.5	6,178.3	13,505.4	8,212.6	5,292.9	2,861.4	1,975.9	885.4
Tiada pendidikan rasmi <i>No formal education</i>	407.3	272.7	134.6	270.5	175.7	94.8	136.8	96.9	39.8
Rendah <i>Primary</i>	1,316.6	940.5	376.2	802.9	558.3	244.6	513.7	382.2	131.5
Menengah <i>Secondary</i>	8,885.3	5,886.2	2,999.2	7,247.0	4,705.3	2,541.7	1,638.3	1,180.9	457.4
Tertiari <i>Tertiary</i>	5,757.6	3,089.2	2,668.4	5,185.0	2,773.2	2,411.7	572.6	315.9	256.7
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi <i>No formal education</i>	2.5	2.7	2.2	2.0	2.1	1.8	4.8	4.9	4.5
Rendah <i>Primary</i>	8.0	9.2	6.1	5.9	6.8	4.6	18.0	19.3	14.9
Menengah <i>Secondary</i>	54.3	57.8	48.5	53.7	57.3	48.0	57.3	59.8	51.7
Tertiari <i>Tertiary</i>	35.2	30.3	43.2	38.4	33.8	45.6	20.0	16.0	29.0

Jadual A2.6: Tenaga buruh mengikut pencapaian pendidikan dan kumpulan etnik, Malaysia, 2023
Table A2.6: Labour force by educational attainment and ethnic group, Malaysia, 2023

Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	16,366.8	14,293.1	9,756.6	3,451.2	996.1	89.1	2,073.7
Tiada pendidikan rasmi <i>No formal education</i>	407.3	137.9	112.2	17.2	5.7	2.8	269.4
Rendah <i>Primary</i>	1,316.6	659.4	435.6	155.3	55.8	12.6	657.3
Menengah <i>Secondary</i>	8,885.3	7,904.4	5,484.2	1,806.0	561.0	53.1	981.0
Tertiari <i>Tertiary</i>	5,757.6	5,591.5	3,724.6	1,472.7	373.6	20.6	166.1
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi <i>No formal education</i>	2.5	1.0	1.2	0.5	0.6	3.1	13.0
Rendah <i>Primary</i>	8.0	4.6	4.5	4.5	5.6	14.2	31.7
Menengah <i>Secondary</i>	54.3	55.3	56.2	52.3	56.3	59.6	47.3
Tertiari <i>Tertiary</i>	35.2	39.1	38.2	42.7	37.5	23.1	8.0

Jadual A2.7: Tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2023
Table A2.7: Labour force by educational attainment, ethnic group and sex, Malaysia, 2023

Lelaki/Male							
Pencapaian pendidikan Educational attainment	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	10,188.5	8,549.6	5,927.2	1,989.7	575.6	57.1	1,638.9
Tiada pendidikan rasmi No formal education	272.7	906.6	75.9	10.0	3.5	1.3	182.0
Rendah Primary	940.5	439.0	297.8	97.5	35.9	7.9	501.5
Menengah Secondary	5,886.2	5,071.0	3,615.7	1,077.3	343.5	34.5	815.2
Tertiari Tertiary	3,089.2	2,948.9	1,937.9	804.9	192.7	13.4	140.2
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi No formal education	2.7	10.6	1.3	0.5	0.6	2.3	11.1
Rendah Primary	9.2	5.1	5.0	4.9	6.2	13.8	30.6
Menengah Secondary	57.8	59.3	61.0	54.1	59.7	60.5	49.7
Tertiari Tertiary	30.3	34.5	32.7	40.5	33.5	23.5	8.6

Jadual A2.7: Tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2023 (samb.)
Table A2.7: Labour force by educational attainment, ethnic group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female							
Pencapaian pendidikan Educational attainment	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) <i>Total</i>	6,178.3	5,743.5	3,829.4	1,461.5	420.5	32.1	434.8
Tiada pendidikan rasmi <i>No formal education</i>	134.6	47.2	36.4	7.2	2.1	1.5	87.4
Rendah <i>Primary</i>	376.2	220.4	137.8	57.9	19.9	4.8	155.8
Menengah <i>Secondary</i>	2,999.2	2,833.4	1,868.5	728.7	217.6	18.6	165.8
Tertiari <i>Tertiary</i>	2,668.4	2,642.6	1,786.7	667.7	180.9	7.2	25.8
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi <i>No formal education</i>	2.2	0.8	1.0	0.5	0.5	4.6	20.1
Rendah <i>Primary</i>	6.1	3.8	3.6	4.0	4.7	14.9	35.8
Menengah <i>Secondary</i>	48.5	49.3	48.8	49.9	51.7	58.0	38.1
Tertiari <i>Tertiary</i>	43.2	46.0	46.7	45.7	43.0	22.5	5.9

Jadual A2.8: Tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2023
Table A2.8: Labour force by educational attainment, ethnic group and strata, Malaysia, 2023

Bandar/Urban							
Pencapaian pendidikan Educational attainment	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non-Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	13,505.4	12,004.5	7,710.1	3,296.5	940.4	57.6	1,500.9
Tiada pendidikan rasmi No formal education	270.5	74.9	52.2	15.8	5.2	1.6	195.6
Rendah Primary	802.9	398.4	208.2	136.2	47.5	6.5	404.5
Menengah Secondary	7,247.0	6,497.3	4,235.9	1,702.5	524.9	34.0	749.7
Tertiari Tertiary	5,185.0	5,033.9	3,213.8	1,442.0	362.7	15.4	151.0
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi No formal education	2.0	0.6	0.7	0.5	0.6	2.8	13.0
Rendah Primary	5.9	33.2	2.7	4.1	5.1	11.3	27.0
Menengah Secondary	53.7	54.1	54.9	51.6	55.8	59.1	50.0
Tertiari Tertiary	38.4	41.9	41.7	43.7	38.6	26.8	10.1

Jadual A2.8: Tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2023 (samb.)
Table A2.8: Labour force by educational attainment, ethnic group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural							
Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	2,861.4	2,288.6	2,046.5	154.8	55.7	31.6	572.8
Tiada pendidikan rasmi <i>No formal education</i>	136.8	63.0	60.0	1.4	0.4	1.2	73.8
Rendah <i>Primary</i>	513.7	261.0	227.4	19.2	8.3	6.1	252.7
Menengah <i>Secondary</i>	1,638.3	1,407.1	1,248.3	103.6	36.1	19.1	231.3
Tertiari <i>Tertiary</i>	572.6	557.6	510.8	30.7	10.9	5.2	15.0
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi <i>No formal education</i>	4.8	2.8	2.9	0.9	0.8	3.8	12.9
Rendah <i>Primary</i>	18.0	11.4	11.1	12.4	14.8	19.5	44.1
Menengah <i>Secondary</i>	57.3	61.5	61.0	66.9	64.8	60.5	40.4
Tertiari <i>Tertiary</i>	20.0	24.4	25.0	19.8	19.6	16.4	2.6

Jadual A2.9: Tenaga buruh mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2023
Table A2.9: Labour force by highest certificate obtained, strata and sex, Malaysia, 2023

Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) <i>Total</i>	16,366.8	10,188.5	6,178.3	13,505.4	8,212.6	5,292.9	2,861.4	1,975.9	885.4
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	1,164.5	815.8	348.7	780.1	525.6	254.5	384.3	290.2	94.2
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	1,517.0	1,065.3	451.7	1,122.8	763.9	358.9	394.2	301.4	92.7
SPM atau yang setaraf <i>SPM or equivalent</i>	7,154.6	4,665.2	2,489.4	5,967.9	3,832.1	2,135.8	1,186.8	833.2	353.6
STPM atau yang setaraf <i>STPM or equivalent</i>	553.0	311.2	241.8	459.1	261.9	197.1	93.9	49.2	44.7
Sijil <i>Certificate</i>	345.4	243.3	102.1	284.6	198.0	86.6	60.8	45.3	15.5
Diploma	1,824.8	962.0	862.7	1,636.5	854.5	782.0	188.3	107.5	80.8
Ijazah <i>Degree</i>	2,905.0	1,508.0	1,397.0	2,690.7	1,404.2	1,286.5	214.2	103.7	110.5
Tiada sijil <i>No certificate</i>	503.3	351.0	152.3	295.7	198.5	97.2	207.6	152.5	55.1
Tidak berkenaan <i>Not applicable</i>	399.3	266.7	132.6	268.0	173.8	94.2	131.3	92.9	38.4
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	7.1	8.0	5.6	5.8	6.4	4.8	13.4	14.7	10.6
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	9.3	10.5	7.3	8.3	9.3	6.8	13.8	15.3	10.5
SPM atau yang setaraf <i>SPM or equivalent</i>	43.7	45.8	40.3	44.2	46.7	40.4	41.5	42.2	39.9
STPM atau yang setaraf <i>STPM or equivalent</i>	3.4	3.1	3.9	3.4	3.2	3.7	3.3	2.5	5.0
Sijil <i>Certificate</i>	2.1	2.4	1.7	2.1	2.4	1.6	2.1	2.3	1.7
Diploma	11.1	9.4	14.0	12.1	10.4	14.8	6.6	5.4	9.1
Ijazah <i>Degree</i>	17.7	14.8	22.6	19.9	17.1	24.3	7.5	5.2	12.5
Tiada sijil <i>No certificate</i>	3.1	3.4	2.5	2.2	2.4	1.8	7.3	7.7	6.2
Tidak berkenaan <i>Not applicable</i>	2.4	2.6	2.1	2.0	2.1	1.8	4.6	4.7	4.3

Jadual A2.10
Table A2.10

Tenaga buruh mengikut sijil tertinggi diperoleh dan kumpulan etnik, Malaysia, 2023
Labour force by highest certificate obtained and ethnic group, Malaysia, 2023

Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	16,366.8	14,293.1	9,756.6	3,451.2	996.1	89.1	2,073.7
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	1,164.5	747.9	450.6	221.8	65.3	10.1	416.6
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	1,517.0	1,121.2	721.1	282.8	105.0	12.3	395.8
SPM atau yang setaraf <i>SPM or equivalent</i>	7,154.6	6,620.0	4,684.4	1,459.5	436.1	40.0	534.6
STPM atau yang setaraf <i>STPM or equivalent</i>	553.0	531.8	366.9	130.9	29.9	4.2	21.1
Sijil <i>Certificate</i>	345.4	338.2	285.8	37.2	14.0	1.2	7.2
Diploma	1,824.8	1,790.6	1,258.6	415.5	109.9	6.6	34.2
Ijazah <i>Degree</i>	2,905.0	2,803.1	1,741.3	845.7	209.0	7.1	101.8
Tiada sijil <i>No certificate</i>	503.3	204.5	137.2	41.2	21.3	4.8	298.8
Tidak berkenaan <i>Not applicable</i>	399.3	135.8	110.7	16.7	5.7	2.8	263.5
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	7.1	5.2	4.6	6.4	6.6	11.4	20.1
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	9.3	7.8	7.4	8.2	10.5	13.8	19.1
SPM atau yang setaraf <i>SPM or equivalent</i>	43.7	46.3	48.0	42.3	43.8	44.8	25.8
STPM atau yang setaraf <i>STPM or equivalent</i>	3.4	3.7	3.8	3.8	3.0	4.7	1.0
Sijil <i>Certificate</i>	2.1	2.4	2.9	1.1	1.4	1.3	0.3
Diploma	11.1	12.5	12.9	12.0	11.0	7.4	1.6
Ijazah <i>Degree</i>	17.7	19.6	17.8	24.5	21.0	8.0	4.9
Tiada sijil <i>No certificate</i>	3.1	1.4	1.4	1.2	2.1	5.4	14.4
Tidak berkenaan <i>Not applicable</i>	2.4	1.0	1.1	0.5	0.6	3.1	12.7

Jadual A2.11: Tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2023
Table A2.11: Labour force by highest certificate obtained, ethnic group and sex, Malaysia, 2023

Lelaki/Male							
Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	10,188.5	8,549.6	5,927.2	1,989.7	575.6	57.1	1,638.9
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	815.8	487.0	299.9	138.6	42.0	6.6	328.8
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	1,065.3	735.7	493.2	175.6	58.9	8.0	329.6
SPM atau yang setaraf <i>SPM or equivalent</i>	4,665.2	4,219.6	3,083.8	842.0	267.7	26.1	445.6
STPM atau yang setaraf <i>STPM or equivalent</i>	311.2	296.0	200.3	77.5	15.8	2.4	15.2
Sijil <i>Certificate</i>	243.3	237.3	203.2	24.8	8.5	0.9	6.0
Diploma	962.0	934.4	647.5	226.3	56.0	4.6	27.6
Ijazah <i>Degree</i>	1,508.0	1,417.2	834.8	467.3	110.3	4.9	90.7
Tiada sijil <i>No certificate</i>	351.0	133.5	90.1	28.0	13.0	2.4	217.5
Tidak berkenaan <i>Not applicable</i>	266.7	88.9	74.5	9.6	3.5	1.3	177.8
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	8.0	5.7	5.1	7.0	7.3	11.5	20.1
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	10.5	8.6	8.3	8.8	10.2	14.0	20.1
SPM atau yang setaraf <i>SPM or equivalent</i>	45.8	49.4	52.0	42.3	46.5	45.7	27.2
STPM atau yang setaraf <i>STPM or equivalent</i>	3.1	3.5	3.4	3.9	2.7	4.2	0.9
Sijil <i>Certificate</i>	2.4	2.8	3.4	1.2	1.5	1.5	0.4
Diploma	9.4	10.9	10.9	11.4	9.7	8.0	1.7
Ijazah <i>Degree</i>	14.8	16.6	14.1	23.5	19.2	8.6	5.5
Tiada sijil <i>No certificate</i>	3.4	1.6	1.5	1.4	2.3	4.2	13.3
Tidak berkenaan <i>Not applicable</i>	2.6	1.0	1.3	0.5	0.6	2.3	10.9

Jadual A2.11: Tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2023 (samb.)
Table A2.11: Labour force by highest certificate obtained, ethnic group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female							
Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	6,178.3	5,743.5	3,829.4	1,461.5	420.5	32.1	434.8
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	348.7	260.8	150.8	83.2	23.3	3.6	87.9
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	451.7	385.5	227.9	107.2	46.1	4.3	66.2
SPM atau yang setaraf <i>SPM or equivalent</i>	2,489.4	2,400.4	1,600.5	617.5	168.5	13.9	89.0
STPM atau yang setaraf <i>STPM or equivalent</i>	241.8	235.9	166.5	53.4	14.1	1.8	5.9
Sijil <i>Certificate</i>	102.1	100.9	82.6	12.4	5.5	0.3	1.2
Diploma	862.7	856.2	611.1	189.1	53.9	2.0	6.5
Ijazah <i>Degree</i>	1,397.0	1,385.9	906.6	378.4	98.7	2.2	11.1
Tiada sijil <i>No certificate</i>	152.3	71.0	47.1	13.1	8.2	2.5	81.3
Tidak berkenaan <i>Not applicable</i>	132.6	46.9	36.2	7.1	2.1	1.5	85.7
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	5.6	4.5	3.9	5.7	5.5	11.1	20.2
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	7.3	6.7	6.0	7.3	11.0	13.4	15.2
SPM atau yang setaraf <i>SPM or equivalent</i>	40.3	41.8	41.8	42.2	40.1	43.3	20.5
STPM atau yang setaraf <i>STPM or equivalent</i>	3.9	4.1	4.3	3.7	3.4	5.7	1.4
Sijil <i>Certificate</i>	1.7	1.8	2.2	0.9	1.3	1.0	0.3
Diploma	14.0	14.9	16.0	12.9	12.8	6.3	1.5
Ijazah <i>Degree</i>	22.6	24.1	23.7	25.9	23.5	6.8	2.6
Tiada sijil <i>No certificate</i>	2.5	1.2	1.2	0.9	2.0	7.7	18.7
Tidak berkenaan <i>Not applicable</i>	2.1	0.8	0.9	0.5	0.5	4.6	19.7

Jadual A2.12: Tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2023
Table A2.12: Labour force by highest certificate obtained, ethnic group and strata, Malaysia, 2023

Bandar/Urban							
Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	13,505.4	12,004.5	7,710.1	3,296.5	940.4	57.6	1,500.9
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	780.1	505.2	241.8	199.7	58.0	5.7	274.9
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	1,122.8	837.8	474.7	258.5	97.7	6.9	285.0
SPM atau yang setaraf <i>SPM or equivalent</i>	5,967.9	5,543.1	3,721.5	1,385.5	409.1	26.9	424.8
STPM atau yang setaraf <i>STPM or equivalent</i>	459.1	445.2	287.5	126.5	28.4	2.8	13.8
Sijil <i>Certificate</i>	284.6	278.1	228.7	35.5	13.3	0.6	6.6
Diploma	1,636.5	1,605.9	1,087.9	406.4	106.3	5.4	30.6
Ijazah <i>Degree</i>	2,690.7	2,592.3	1,551.2	831.3	204.4	5.4	98.4
Tiada sijil <i>No certificate</i>	295.7	123.7	65.9	37.6	18.0	2.2	172.0
Tidak berkenaan <i>Not applicable</i>	268.0	73.2	51.0	15.3	5.2	1.6	194.9
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	5.8	4.2	3.1	6.1	6.2	9.9	18.3
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	8.3	7.0	6.2	7.8	10.4	12.0	19.0
SPM atau yang setaraf <i>SPM or equivalent</i>	44.2	46.2	48.3	42.0	43.5	46.7	28.3
STPM atau yang setaraf <i>STPM or equivalent</i>	3.4	3.7	3.7	3.8	3.0	4.8	0.9
Sijil <i>Certificate</i>	2.1	2.3	3.0	1.1	1.4	1.0	0.4
Diploma	12.1	13.4	14.1	12.3	11.3	9.3	2.0
Ijazah <i>Degree</i>	19.9	21.6	20.1	25.2	21.7	9.4	6.6
Tiada sijil <i>No certificate</i>	2.2	1.0	0.9	1.1	1.9	3.9	11.5
Tidak berkenaan <i>Not applicable</i>	2.0	0.6	0.7	0.5	0.6	2.9	13.0

Jadual A2.12: Tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2023 (samb.)
Table A2.12: Labour force by highest certificate obtained, ethnic group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural							
Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	2,861.4	2,288.6	2,046.5	154.8	55.7	31.6	572.8
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	384.3	242.6	208.9	22.1	7.3	4.4	141.7
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	394.2	283.4	246.4	24.3	7.3	5.4	110.8
SPM atau yang setaraf <i>SPM or equivalent</i>	1,186.8	1,076.9	962.9	74.0	27.0	13.1	109.8
STPM atau yang setaraf <i>STPM or equivalent</i>	93.9	86.6	79.4	4.3	1.5	1.4	7.3
Sijil <i>Certificate</i>	60.8	60.1	57.1	1.7	0.7	0.6	0.7
Diploma	188.3	184.7	170.8	9.0	3.6	1.2	3.6
Ijazah <i>Degree</i>	214.2	210.8	190.2	14.4	4.6	1.7	3.4
Tiada sijil <i>No certificate</i>	207.6	80.8	71.3	3.6	3.3	2.6	126.8
Tidak berkenaan <i>Not applicable</i>	131.3	62.6	59.7	1.4	0.4	1.2	68.7
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	13.4	10.6	10.2	14.3	13.1	14.0	24.7
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	13.8	12.4	12.0	15.7	13.1	17.2	19.3
SPM atau yang setaraf <i>SPM or equivalent</i>	41.5	47.1	47.0	47.8	48.5	41.4	19.2
STPM atau yang setaraf <i>STPM or equivalent</i>	3.3	3.8	3.9	2.8	2.7	4.5	1.3
Sijil <i>Certificate</i>	2.1	2.6	2.8	1.1	1.3	1.8	0.1
Diploma	6.6	8.1	8.3	5.8	6.5	3.9	0.6
Ijazah <i>Degree</i>	7.5	9.2	9.3	9.3	8.3	5.3	0.6
Tiada sijil <i>No certificate</i>	7.3	3.5	3.5	2.3	5.8	8.3	22.1
Tidak berkenaan <i>Not applicable</i>	4.6	2.7	2.9	0.9	0.8	3.7	12.0

Jadual A3.1: Nisbah guna tenaga kepada penduduk mengikut kumpulan umur, strata dan jantina, Malaysia, 2023
Table A3.1: Employment to population ratio by age group, strata and sex, Malaysia, 2023

Kumpulan Umur Age Group	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah (%) Total	67.7	79.6	54.3	68.9	79.5	57.0	62.6	79.7	42.0
15 - 19	21.8	22.2	21.3	23.7	23.1	24.4	14.4	19.0	9.4
20 - 24	59.6	72.1	44.8	59.2	71.3	44.9	61.0	75.0	44.5
25 - 29	83.4	90.6	74.6	84.8	89.7	78.8	77.6	94.2	55.8
30 - 34	84.4	94.1	73.0	86.1	94.5	76.6	76.7	92.5	55.4
35 - 39	82.9	97.1	66.9	83.9	97.2	69.5	77.9	96.9	52.7
40 - 44	85.6	96.9	72.7	87.1	97.1	76.0	77.6	95.8	53.8
45 - 49	77.8	95.4	59.0	78.3	95.2	60.5	75.4	96.3	50.6
50 - 54	72.4	92.0	52.1	73.3	91.8	53.8	68.7	92.8	44.5
55 - 59	58.5	80.9	35.7	57.6	78.8	36.1	61.9	89.4	34.0
60 - 64	33.9	46.8	20.5	32.8	44.5	20.6	38.3	56.0	19.9

Jadual A3.2: Nisbah guna tenaga kepada penduduk mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2023
Table A3.2: Employment to population ratio by age group and ethnic group, Malaysia, 2023

Kumpulan Umur Age Group	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah (%) Total	67.7	65.8	64.8	68.9	66.1	61.3	84.3
15 - 19	21.8	19.7	17.8	24.3	26.0	24.1	60.7
20 - 24	59.6	55.9	57.4	52.2	49.7	51.0	83.5
25 - 29	83.4	82.6	85.4	70.0	90.0	68.2	87.3
30 - 34	84.4	84.5	82.8	93.9	76.0	70.3	83.9
35 - 39	82.9	82.1	82.2	83.9	78.0	62.6	88.6
40 - 44	85.6	85.0	83.5	89.4	85.0	73.8	91.4
45 - 49	77.8	77.2	73.2	86.1	78.8	77.4	86.1
50 - 54	72.4	71.8	69.2	77.9	70.6	68.0	84.8
55 - 59	58.5	58.1	55.4	61.4	66.9	67.8	71.7
60 - 64	33.9	33.1	27.7	44.0	31.5	63.2	66.9

Jadual A3.3: Nisbah guna tenaga kepada penduduk mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2023
Table A3.3: Employment to population ratio by age group, ethnic group and sex, Malaysia, 2023

Kumpulan Umur Age Group	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Lelaki (%) Male	79.6	77.7	78.0	77.6	75.6	74.0	91.0
15 - 19	22.2	19.4	19.5	18.8	19.3	24.9	72.0
20 - 24	72.1	68.4	73.6	58.2	40.6	47.4	89.4
25 - 29	90.6	91.1	92.0	86.9	94.5	92.3	89.0
30 - 34	94.1	95.6	95.7	95.4	95.0	89.4	89.0
35 - 39	97.1	97.2	97.3	98.3	95.9	80.6	96.6
40 - 44	96.9	96.6	96.6	97.5	96.0	81.7	98.8
45 - 49	95.4	95.1	93.9	97.9	95.8	91.3	98.0
50 - 54	92.0	91.6	92.8	91.5	81.6	93.5	96.8
55 - 59	80.9	80.6	79.8	80.8	86.3	91.2	88.0
60 - 64	46.8	45.8	41.7	51.3	53.5	85.1	77.6
Perempuan Female	54.3	53.6	51.3	59.8	56.5	47.5	65.8
15 - 19	21.3	20.1	15.9	30.3	33.2	23.3	46.2
20 - 24	44.8	42.5	40.1	45.9	59.3	56.3	69.4
25 - 29	74.6	73.8	78.7	52.6	85.4	41.4	82.0
30 - 34	73.0	73.6	70.0	92.5	57.1	50.8	65.9
35 - 39	66.9	67.2	67.4	69.8	59.4	42.1	62.2
40 - 44	72.7	72.8	69.8	81.0	73.2	65.2	69.7
45 - 49	59.0	59.1	52.6	73.9	62.0	65.5	55.1
50 - 54	52.1	52.1	46.1	63.7	59.8	47.9	53.6
55 - 59	35.7	35.7	31.9	40.7	48.6	46.9	35.2
60 - 64	20.5	20.2	13.6	36.2	11.3	35.3	41.7

Jadual A3.4: Nisbah guna tenaga kepada penduduk mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2023
Table A3.4: Employment to population ratio by age group, ethnic group and strata, Malaysia, 2023

Kumpulan Umur <i>Age Group</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non- Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Bandar (%) <i>Urban</i>	68.9	67.4	66.9	69.1	66.6	56.2	83.6
15 - 19	23.7	21.9	20.1	25.0	27.8	22.6	60.7
20 - 24	59.2	56.0	58.3	51.8	48.7	31.1	82.7
25 - 29	84.8	84.4	89.0	69.1	90.4	64.6	86.7
30 - 34	86.1	86.7	85.6	94.3	75.7	64.8	82.5
35 - 39	83.9	83.5	84.2	83.9	78.2	59.7	87.9
40 - 44	87.1	86.8	85.7	89.9	85.4	70.8	91.9
45 - 49	78.3	77.9	73.1	86.9	79.1	70.1	84.4
50 - 54	73.3	72.7	69.8	78.3	71.4	66.8	84.4
55 - 59	57.6	57.2	53.2	61.2	67.6	59.9	71.4
60 - 64	32.8	32.2	24.9	43.6	30.9	55.9	64.3
Luar Bandar <i>Rural</i>	62.6	58.4	57.8	63.7	59.4	73.0	86.3
15 - 19	14.4	11.2	11.0	12.8	6.5	26.3	60.7
20 - 24	61.0	55.8	54.8	61.4	63.8	87.7	85.5
25 - 29	77.6	73.9	72.9	86.3	84.7	78.8	89.1
30 - 34	76.7	73.4	72.2	87.1	81.4	85.0	87.5
35 - 39	77.9	74.7	74.4	82.8	73.9	70.9	90.2
40 - 44	77.6	75.0	74.6	78.1	77.5	84.9	90.3
45 - 49	75.4	73.5	73.8	67.2	73.3	87.5	90.3
50 - 54	68.7	67.6	67.6	70.5	54.3	71.7	86.1
55 - 59	61.9	61.5	61.3	63.8	55.9	79.9	72.8
60 - 64	38.3	37.0	35.2	51.6	40.7	75.6	72.5

Jadual A4.1: Penduduk bekerja mengikut kumpulan umur, strata dan jantina, Malaysia, 2023
Table A4.1: Employed persons by age group, strata and sex, Malaysia, 2023

Kumpulan Umur Age Group	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total	15,813.4	9,849.5	5,963.8	13,082.3	7,952.3	5,129.9	2,731.1	1,897.2	833.9
15 - 19	604.2	322.9	281.3	520.1	264.6	255.5	84.2	58.4	25.8
20 - 24	1,796.2	1,177.3	618.9	1,417.0	925.1	491.9	379.2	252.2	127.0
25 - 29	2,420.4	1,451.9	968.5	1,991.8	1,156.0	835.7	428.6	295.8	132.8
30 - 34	2,431.6	1,465.5	966.1	2,033.6	1,190.2	843.4	397.9	275.3	122.6
35 - 39	2,370.0	1,469.4	900.7	1,985.4	1,196.3	789.1	384.6	273.1	111.5
40 - 44	2,129.5	1,286.1	843.4	1,814.9	1,066.0	748.9	314.6	220.2	94.5
45 - 49	1,528.5	968.6	560.0	1,278.6	795.5	483.1	250.0	173.1	76.8
50 - 54	1,219.5	789.4	430.2	1,008.9	646.7	362.2	210.7	142.7	68.0
55 - 59	868.4	605.4	263.1	686.0	472.6	213.5	182.4	132.8	49.6
60 - 64	444.9	313.1	131.7	346.0	239.4	106.6	98.8	73.7	25.2
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	3.8	3.3	4.7	4.0	3.3	5.0	3.1	3.1	3.1
20 - 24	11.4	12.0	10.4	10.8	11.6	9.6	13.9	13.3	15.2
25 - 29	15.3	14.7	16.2	15.2	14.5	16.3	15.7	15.6	15.9
30 - 34	15.4	14.9	16.2	15.5	15.0	16.4	14.6	14.5	14.7
35 - 39	15.0	14.9	15.1	15.2	15.0	15.4	14.1	14.4	13.4
40 - 44	13.5	13.1	14.1	13.9	13.4	14.6	11.5	11.6	11.3
45 - 49	9.7	9.8	9.4	9.8	10.0	9.4	9.2	9.1	9.2
50 - 54	7.7	8.0	7.2	7.7	8.1	7.1	7.7	7.5	8.2
55 - 59	5.5	6.1	4.4	5.2	5.9	4.2	6.7	7.0	5.9
60 - 64	2.8	3.2	2.2	2.6	3.0	2.1	3.6	3.9	3.0

Jadual A4.2: Penduduk bekerja mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2023
Table A4.2: Employed persons by age group and ethnic group, Malaysia, 2023

Kumpulan Umur <i>Age Group</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non- Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	15,813.4	13,809.3	9,401.7	3,367.1	955.9	84.7	2,004.0
15 - 19	604.2	519.4	337.4	133.8	44.6	3.7	84.8
20 - 24	1,796.2	1,461.5	1,112.7	258.7	80.2	10.0	334.7
25 - 29	2,420.4	1,953.7	1,476.7	325.0	139.2	12.8	466.7
30 - 34	2,431.6	2,060.4	1,454.3	467.8	125.6	12.7	371.2
35 - 39	2,370.0	2,069.5	1,458.5	464.3	133.5	13.0	300.6
40 - 44	2,129.5	1,923.1	1,266.9	502.6	142.7	10.9	206.4
45 - 49	1,528.5	1,410.9	869.4	427.4	106.9	7.2	117.7
50 - 54	1,219.5	1,150.6	705.0	357.0	82.7	6.0	68.9
55 - 59	868.4	835.5	501.0	259.8	70.3	4.4	32.9
60 - 64	444.9	424.8	219.9	170.7	30.2	4.0	20.1
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	3.8	3.8	3.6	4.0	4.7	4.3	4.2
20 - 24	11.4	10.6	11.8	7.7	8.4	11.8	16.7
25 - 29	15.3	14.1	15.7	9.7	14.6	15.1	23.3
30 - 34	15.4	14.9	15.5	13.9	13.1	15.0	18.5
35 - 39	15.0	15.0	15.5	13.8	14.0	15.4	15.0
40 - 44	13.5	13.9	13.5	14.9	14.9	12.9	10.3
45 - 49	9.7	10.2	9.2	12.7	11.2	8.5	5.9
50 - 54	7.7	8.3	7.5	10.6	8.7	7.1	3.4
55 - 59	5.5	6.1	5.3	7.7	7.4	5.2	1.6
60 - 64	2.8	3.1	2.3	5.1	3.2	4.7	1.0

Jadual A4.3: Penduduk bekerja mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2023
Table A4.3: Employed persons by age group and ethnic group, Malaysia, 2023

Lelaki/Male							
Kumpulan Umur Age Group	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	9,849.5	8,260.5	5,722.7	1,933.4	551.0	53.3	1,589.1
15 - 19	322.9	266.3	193.5	53.8	17.1	2.0	56.6
20 - 24	1,177.3	925.4	738.2	148.1	33.8	5.4	251.8
25 - 29	1,451.9	1,093.3	805.0	204.4	74.8	9.1	358.6
30 - 34	1,465.5	1,159.1	835.1	237.6	78.2	8.2	306.4
35 - 39	1,469.4	1,217.9	856.1	269.3	83.6	8.9	251.5
40 - 44	1,286.1	1,119.9	749.4	280.6	83.5	6.3	166.3
45 - 49	968.6	871.8	557.0	246.5	64.5	3.9	96.8
50 - 54	789.4	732.6	468.1	213.8	47.0	3.6	56.8
55 - 59	605.4	577.4	354.4	176.1	44.0	2.8	28.0
60 - 64	313.1	296.8	166.0	103.2	24.5	3.0	16.4
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	3.3	3.2	3.4	2.8	3.1	3.7	3.6
20 - 24	12.0	11.2	12.9	7.7	6.1	10.2	15.8
25 - 29	14.7	13.2	14.1	10.6	13.6	17.0	22.6
30 - 34	14.9	14.0	14.6	12.3	14.2	15.4	19.3
35 - 39	14.9	14.7	15.0	13.9	15.2	16.7	15.8
40 - 44	13.1	13.6	13.1	14.5	15.2	11.9	10.5
45 - 49	9.8	10.6	9.7	12.7	11.7	7.3	6.1
50 - 54	8.0	8.9	8.2	11.1	8.5	6.8	3.6
55 - 59	6.1	7.0	6.2	9.1	8.0	5.2	1.8
60 - 64	3.2	3.6	2.9	5.3	4.4	5.7	1.0

Jadual A4.3: Penduduk bekerja mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2023 (samb.)
Table A4.3: Employed persons by age group, ethnic group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female							
Kumpulan Umur Age Group	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	5,963.8	5,548.9	3,679.0	1,433.7	404.9	31.4	414.9
15 - 19	281.3	253.1	143.9	80.0	27.5	1.7	28.3
20 - 24	618.9	536.1	374.6	110.6	46.4	4.5	82.8
25 - 29	968.5	860.4	671.6	120.7	64.5	3.7	108.1
30 - 34	966.1	901.3	619.2	230.1	47.4	4.5	64.8
35 - 39	900.7	851.5	602.5	195.0	49.9	4.1	49.1
40 - 44	843.4	803.3	517.4	222.0	59.2	4.6	40.1
45 - 49	560.0	539.1	312.4	181.0	42.4	3.3	20.9
50 - 54	430.2	418.0	236.9	143.2	35.6	2.4	12.1
55 - 59	263.1	258.1	146.5	83.6	26.3	1.6	5.0
60 - 64	131.7	128.0	53.9	67.5	5.7	1.0	3.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	4.7	4.6	3.9	5.6	6.8	5.3	6.8
20 - 24	10.4	9.7	10.2	7.7	11.5	14.5	20.0
25 - 29	16.2	15.5	18.3	8.4	15.9	11.7	26.1
30 - 34	16.2	16.2	16.8	16.1	11.7	14.5	15.6
35 - 39	15.1	15.3	16.4	13.6	12.3	13.1	11.8
40 - 44	14.1	14.5	14.1	15.5	14.6	14.7	9.7
45 - 49	9.4	9.7	8.5	12.6	10.5	10.5	5.0
50 - 54	7.2	7.5	6.4	10.0	8.8	7.5	2.9
55 - 59	4.4	4.7	4.0	5.8	6.5	5.1	1.2
60 - 64	2.2	2.3	1.5	4.7	1.4	3.1	0.9

Jadual A4.4: Penduduk bekerja mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2023
Table A4.4: Employed persons by age group, ethnic group and strata, Malaysia, 2023

Bandar/Urban							
Kumpulan Umur Age Group	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	13,082.3	11,638.5	7,464.4	3,216.9	903.5	53.8	1,443.8
15 - 19	520.1	458.6	283.4	129.5	43.6	2.0	61.5
20 - 24	1,417.0	1,175.6	854.5	244.1	73.1	3.9	241.4
25 - 29	1,991.8	1,643.7	1,198.1	305.1	131.5	9.0	348.1
30 - 34	2,033.6	1,767.8	1,192.1	449.0	118.2	8.5	265.8
35 - 39	1,985.4	1,777.1	1,193.8	447.7	126.4	9.2	208.3
40 - 44	1,814.9	1,670.8	1,043.6	483.6	135.4	8.3	144.1
45 - 49	1,278.6	1,195.1	677.1	413.0	101.2	3.8	83.5
50 - 54	1,008.9	956.0	532.8	339.2	79.5	4.5	52.9
55 - 59	686.0	661.2	346.7	245.4	66.7	2.4	24.9
60 - 64	346.0	332.7	142.3	160.3	27.8	2.2	13.4
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	4.0	3.9	3.8	4.0	4.8	3.8	4.3
20 - 24	10.8	10.1	11.4	7.6	8.1	7.3	16.7
25 - 29	15.2	14.1	16.1	9.5	14.6	16.8	24.1
30 - 34	15.5	15.2	16.0	14.0	13.1	15.9	18.4
35 - 39	15.2	15.3	16.0	13.9	14.0	17.1	14.4
40 - 44	13.9	14.4	14.0	15.0	15.0	15.3	10.0
45 - 49	9.8	10.3	9.1	12.8	11.2	7.0	5.8
50 - 54	7.7	8.2	7.1	10.5	8.8	8.3	3.7
55 - 59	5.2	5.7	4.6	7.6	7.4	4.4	1.7
60 - 64	2.6	2.9	1.9	5.0	3.1	4.1	0.9

Jadual A4.4: Penduduk bekerja mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2023 (samb.)
Table A4.4: Employed persons by age group, ethnic group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural							
Kumpulan Umur Age Group	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	2,731.1	2,170.8	1,937.3	150.2	52.4	30.9	560.3
15 - 19	84.2	60.8	54.0	4.3	0.9	1.6	23.3
20 - 24	379.2	285.9	258.3	14.6	7.0	6.0	93.2
25 - 29	428.6	310.0	278.5	20.0	7.8	3.7	118.6
30 - 34	397.9	292.6	262.2	18.8	7.4	4.2	105.3
35 - 39	384.6	292.3	264.8	16.6	7.1	3.8	92.3
40 - 44	314.6	252.3	223.3	19.0	7.3	2.7	62.3
45 - 49	250.0	215.8	192.2	14.4	5.7	3.4	34.2
50 - 54	210.7	194.6	172.2	17.7	3.2	1.5	16.1
55 - 59	182.4	174.3	154.2	14.4	3.6	2.1	8.1
60 - 64	98.8	92.1	77.6	10.4	2.3	1.8	6.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	3.1	2.8	2.8	2.9	1.8	5.3	4.2
20 - 24	13.9	13.2	13.3	9.7	13.4	19.5	16.6
25 - 29	15.7	14.3	14.4	13.3	14.8	12.1	21.2
30 - 34	14.6	13.5	13.5	12.5	14.1	13.6	18.8
35 - 39	14.1	13.5	13.7	11.1	13.5	12.4	16.5
40 - 44	11.5	11.6	11.5	12.6	14.0	8.7	11.1
45 - 49	9.2	9.9	9.9	9.6	10.9	11.1	6.1
50 - 54	7.7	9.0	8.9	11.8	6.1	5.0	2.9
55 - 59	6.7	8.0	8.0	9.6	7.0	6.7	1.4
60 - 64	3.6	4.2	4.0	6.9	4.4	5.8	1.2

Jadual A4.5: Penduduk bekerja mengikut pekerjaan, strata dan jantina, Malaysia, 2023
Table A4.5: Employed persons by occupation, strata and sex, Malaysia, 2023

Pekerjaan Occupation	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total	15,813.4	9,849.5	5,963.8	13,082.3	7,952.3	5,129.9	2,731.1	1,897.2	833.9
Pengurus Managers	762.5	569.2	193.4	698.1	518.4	179.7	64.4	50.8	13.6
Profesional Professionals	2,141.5	1,067.6	1,074.0	1,960.8	982.3	978.5	180.8	85.3	95.5
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,906.8	1,354.6	552.2	1,753.8	1,255.1	498.7	153.0	99.5	53.6
Pekerja sokongan perkeranian Clerical support workers	1,562.9	497.1	1,065.8	1,411.8	447.5	964.3	151.1	49.6	101.5
Pekerja perkhidmatan dan jualan Service and sales workers	3,744.0	1,854.9	1,889.0	3,220.7	1,601.6	1,619.1	523.3	253.3	269.9
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	703.1	580.8	122.3	294.8	259.3	35.5	408.3	321.5	86.8
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,402.3	1,109.0	293.2	1,175.6	920.2	255.3	226.7	188.8	37.9
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	1,634.1	1,316.6	317.5	1,343.2	1,066.7	276.4	290.9	249.9	41.0
Pekerja asas Elementary occupations	1,956.2	1,499.8	456.4	1,223.6	901.3	322.3	732.6	598.5	134.1
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	4.8	5.8	3.2	5.3	6.5	3.5	2.4	2.7	1.6
Profesional Professionals	13.5	10.8	18.0	15.0	12.4	19.1	6.6	4.5	11.4
Juruteknik dan profesional bersekutu Technicians and associate professionals	12.1	13.8	9.3	13.4	15.8	9.7	5.6	5.2	6.4
Pekerja sokongan perkeranian Clerical support workers	9.9	5.0	17.9	10.8	5.6	18.8	5.5	2.6	12.2
Pekerja perkhidmatan dan jualan Service and sales workers	23.7	18.8	31.7	24.6	20.1	31.6	19.2	13.4	32.4
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	4.4	5.9	2.1	2.3	3.3	0.7	15.0	16.9	10.4
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	8.9	11.3	4.9	9.0	11.6	5.0	8.3	10.0	4.5
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	10.3	13.4	5.3	10.3	13.4	5.4	10.7	13.2	4.9
Pekerja asas Elementary occupations	12.4	15.2	7.7	9.4	11.3	6.3	26.8	31.5	16.1

Jadual A4.6: Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan jantina, Malaysia, 2023
Table A4.6: Employed persons by occupation, ethnic group and sex, Malaysia, 2023

Pekerjaan Occupation	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	15,813.4	13,809.3	9,401.7	3,367.1	955.9	84.7	2,004.0
Pengurus Managers	762.5	725.1	353.9	317.4	49.7	4.1	37.4
Profesional Professionals	2,141.5	2,063.5	1,383.0	538.9	137.9	3.8	78.0
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,906.8	1,853.1	1,216.6	481.1	147.9	7.4	53.8
Pekerja sokongan perkeranian Clerical support workers	1,562.9	1,544.6	983.8	443.5	111.2	6.1	18.2
Pekerja perkhidmatan dan jualan Service and sales workers	3,744.0	3,338.5	2,309.8	814.3	190.8	23.6	405.5
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	703.1	625.9	496.5	104.5	16.9	8.0	77.1
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,402.3	1,259.5	818.0	343.8	85.2	12.5	142.7
Operator mesin dan loji, dan pemasangan Plant and machine operators and assemblers	1,634.1	1,397.7	1,031.2	198.0	158.6	9.9	236.4
Pekerja asas Elementary occupations	1,956.2	1,001.4	808.9	125.6	57.5	9.3	954.9
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	4.8	5.3	3.8	9.4	5.2	4.9	1.9
Profesional Professionals	13.5	14.9	14.7	16.0	14.4	4.5	3.9
Juruteknik dan profesional bersekutu Technicians and associate professionals	12.1	13.4	12.9	14.3	15.5	8.8	2.7
Pekerja sokongan perkeranian Clerical support workers	9.9	11.2	10.5	13.2	11.6	7.2	0.9
Pekerja perkhidmatan dan jualan Service and sales workers	23.7	24.2	24.6	24.2	20.0	27.8	20.2
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	4.4	4.5	5.3	3.1	1.8	9.4	3.8
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	8.9	9.1	8.7	10.2	8.9	14.8	7.1
Operator mesin dan loji, dan pemasangan Plant and machine operators and assemblers	10.3	10.1	11.0	5.9	16.6	11.7	11.8
Pekerja asas Elementary occupations	12.4	7.3	8.6	3.7	6.0	11.0	47.6

Jadual A4.7: Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan jantina, Malaysia, 2023
Table A4.7: Employed persons by occupation, ethnic group and sex, Malaysia, 2023

Lelaki/Male							
Pekerjaan Occupation	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	9,849.5	8,260.5	5,722.7	1,933.4	551.0	53.3	1,589.1
Pengurus Managers	569.2	538.4	256.6	240.4	38.0	3.4	30.8
Profesional Professionals	1,067.6	1,000.6	685.7	261.3	51.5	2.0	67.0
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,354.6	1,311.5	836.5	357.5	112.3	5.2	43.1
Pekerja sokongan perkeranian Clerical support workers	497.1	483.6	326.5	118.5	36.2	2.4	13.5
Pekerja perkhidmatan dan jualan Service and sales workers	1,854.9	1,581.9	1,132.6	361.3	79.2	8.9	273.0
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	580.8	514.0	396.9	95.0	15.7	6.4	66.8
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,109.0	984.0	634.0	272.9	65.6	11.5	125.0
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	1,316.6	1,111.1	842.4	144.5	115.8	8.4	205.5
Pekerja asas Elementary occupations	1,499.8	735.5	611.5	82.1	36.7	5.2	764.4
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	5.8	6.5	4.5	12.4	6.9	6.4	1.9
Profesional Professionals	10.8	12.1	12.0	13.5	9.3	3.8	4.2
Juruteknik dan profesional bersekutu Technicians and associate professionals	13.8	15.9	14.6	18.5	20.4	9.8	2.7
Pekerja sokongan perkeranian Clerical support workers	5.0	5.9	5.7	6.1	6.6	4.5	0.8
Pekerja perkhidmatan dan jualan Service and sales workers	18.8	19.2	19.8	18.7	14.4	16.6	17.2
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	5.9	6.2	6.9	4.9	2.9	12.0	4.2
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	11.3	11.9	11.1	14.1	11.9	21.5	7.9
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	13.4	13.5	14.7	7.5	21.0	15.8	12.9
Pekerja asas Elementary occupations	15.2	8.9	10.7	4.2	6.7	9.7	48.1

Jadual A4.7: Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan jantina, Malaysia, 2023 (samb.)
Table A4.7: Employed persons by occupation, ethnic group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female							
Pekerjaan Occupation	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	5,963.8	5,548.9	3,679.0	1,433.7	404.9	31.4	414.9
Pengurus Managers	193.4	186.8	97.3	77.0	11.7	0.7	6.6
Profesional Professionals	1,074.0	1,063.0	697.3	277.6	86.4	1.8	11.0
Juruteknik dan profesional bersekutu Technicians and associate professionals	552.2	541.6	380.1	123.6	35.6	2.2	10.7
Pekerja sokongan perkeranian Clerical support workers	1,065.8	1,061.1	657.3	325.0	75.1	3.7	4.7
Pekerja perkhidmatan dan jualan Service and sales workers	1,889.0	1,756.6	1,177.2	453.0	111.7	14.7	132.5
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	122.3	112.0	99.6	9.5	1.2	1.6	10.3
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	293.2	275.5	184.0	70.9	19.6	1.0	17.7
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	317.5	286.6	188.8	53.5	42.8	1.5	30.9
Pekerja asas Elementary occupations	456.4	265.9	197.4	43.5	20.9	4.1	190.5
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	3.2	3.4	2.6	5.4	2.9	2.3	1.6
Profesional Professionals	18.0	19.2	19.0	19.4	21.3	5.7	2.6
Juruteknik dan profesional bersekutu Technicians and associate professionals	9.3	9.8	10.3	8.6	8.8	7.1	2.6
Pekerja sokongan perkeranian Clerical support workers	17.9	19.1	17.9	22.7	18.5	11.9	1.1
Pekerja perkhidmatan dan jualan Service and sales workers	31.7	31.7	32.0	31.6	27.6	46.7	31.9
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	2.1	2.0	2.7	0.7	0.3	5.2	2.5
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	4.9	5.0	5.0	4.9	4.8	3.2	4.3
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	5.3	5.2	5.1	3.7	10.6	4.7	7.4
Pekerja asas Elementary occupations	7.7	4.8	5.4	3.0	5.2	13.1	45.9

Jadual A4.8: Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan strata, Malaysia, 2023
Table A4.8: Employed persons by occupation, ethnic group and strata, Malaysia, 2023

Bandar/Urban	Warganegara Malaysia Malaysian citizens						Bukan warganegara Malaysia Non- Malaysian citizens
Pekerjaan Occupation	Jumlah Total	Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	13,082.3	11,638.5	7,464.4	3,216.9	903.5	53.8	1,443.8
Pengurus Managers	698.1	663.8	304.6	308.6	47.5	3.1	34.4
Profesional Professionals	1,960.8	1,890.1	1,224.8	528.8	134.0	2.5	70.6
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,753.8	1,704.2	1,083.5	470.6	144.5	5.7	49.6
Pekerja sokongan perkeranian Clerical support workers	1,411.8	1,395.8	853.9	429.4	108.2	4.3	16.0
Pekerja perkhidmatan dan jualan Service and sales workers	3,220.7	2,851.2	1,880.1	774.3	181.9	14.9	369.5
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	294.8	242.7	145.3	81.6	14.0	1.8	52.1
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,175.6	1,059.6	642.8	326.9	80.0	9.8	116.0
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	1,343.2	1,153.3	818.4	185.3	143.3	6.4	189.8
Pekerja asas Elementary occupations	1,223.6	677.8	511.2	111.3	50.0	5.4	545.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	5.3	5.7	4.1	9.6	5.3	5.8	2.4
Profesional Professionals	15.0	16.2	16.4	16.4	14.8	4.6	4.9
Juruteknik dan profesional bersekutu Technicians and associate professionals	13.4	14.6	14.5	14.6	16.0	10.5	3.4
Pekerja sokongan perkeranian Clerical support workers	10.8	12.0	11.4	13.3	12.0	8.0	1.1
Pekerja perkhidmatan dan jualan Service and sales workers	24.6	24.5	25.2	24.1	20.1	27.7	25.6
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	2.3	2.1	1.9	2.5	1.5	3.3	3.6
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	9.0	9.1	8.6	10.2	8.9	18.2	8.0
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	10.3	9.9	11.0	5.8	15.9	11.9	13.1
Pekerja asas Elementary occupations	9.4	5.8	6.8	3.5	5.5	10.0	37.8

Jadual A4.8: Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan strata, Malaysia, 2023 (samb.)
Table A4.8: Employed persons by occupation, ethnic group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural							
Pekerjaan Occupation	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	2,731.1	2,170.8	1,937.3	150.2	52.4	30.9	560.3
Pengurus Managers	64.4	61.4	49.3	8.8	2.2	1.1	3.0
Profesional Professionals	180.8	173.4	158.2	10.1	3.9	1.3	7.4
Juruteknik dan profesional bersekutu Technicians and associate professionals	153.0	148.9	133.2	10.5	3.4	1.8	4.2
Pekerja sokongan perkeranian Clerical support workers	151.1	148.9	129.9	14.0	3.1	1.8	2.2
Pekerja perkhidmatan dan jualan Service and sales workers	523.3	487.3	429.7	40.0	9.0	8.7	35.9
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	408.3	383.2	351.2	22.9	2.9	6.2	25.1
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	226.7	199.9	175.2	16.8	5.2	2.7	26.8
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	290.9	244.3	212.8	12.8	15.3	3.5	46.6
Pekerja asas Elementary occupations	732.6	323.5	297.8	14.3	7.5	3.9	409.1
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	2.4	2.8	2.5	5.9	4.2	3.6	0.5
Profesional Professionals	6.6	8.0	8.2	6.7	7.4	4.2	1.3
Juruteknik dan profesional bersekutu Technicians and associate professionals	5.6	6.9	6.9	7.0	6.5	5.7	0.7
Pekerja sokongan perkeranian Clerical support workers	5.5	6.9	6.7	9.4	5.9	5.9	0.4
Pekerja perkhidmatan dan jualan Service and sales workers	19.2	22.4	22.2	26.6	17.1	28.1	6.4
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	15.0	17.7	18.1	15.2	5.5	20.1	4.5
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	8.3	9.2	9.0	11.2	10.0	8.7	4.8
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	10.7	11.3	11.0	8.5	29.2	11.2	8.3
Pekerja asas Elementary occupations	26.8	14.9	15.4	9.5	14.3	12.6	73.0

Jadual A4.9: Penduduk bekerja mengikut pekerjaan dan kumpulan umur, Malaysia, 2023
Table A4.9: Employed persons by occupation and age group, Malaysia, 2023

Pekerjaan Occupation	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	15,813.4	604.2	1,796.2	2,420.4	2,431.6	2,370.0	2,129.5	1,528.5	1,219.5	868.4	444.9
Pengurus Managers	762.5	8.4	19.0	62.1	90.3	117.4	136.6	115.5	100.2	68.6	44.5
Profesional Professionals	2,141.5	49.9	89.8	268.9	359.3	377.1	405.9	278.5	186.3	101.6	24.2
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,906.8	32.2	130.5	314.5	328.8	356.6	300.3	191.5	138.8	86.3	27.4
Pekerja sokongan perkeranian Clerical support workers	1,562.9	80.6	159.6	266.2	290.5	252.1	202.7	129.0	102.7	53.6	25.8
Pekerja perkhidmatan dan jualan Service and sales workers	3,744.0	234.9	601.9	623.1	526.4	483.6	406.4	297.3	246.6	209.0	114.7
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	703.1	14.6	45.0	64.7	84.2	97.3	81.3	76.3	89.0	84.0	66.6
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,402.3	42.5	213.0	185.5	195.6	178.7	184.6	131.3	121.4	99.2	50.5
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	1,634.1	39.9	256.5	262.5	259.0	230.6	198.2	153.2	118.9	77.9	37.3
Pekerja asas Elementary occupations	1,956.2	101.2	281.1	372.9	297.5	276.7	213.4	155.9	115.6	88.2	53.8
Jumlah ('000) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	4.8	1.4	1.1	2.6	3.7	5.0	6.4	7.6	8.2	7.9	10.0
Profesional Professionals	13.5	8.3	5.0	11.1	14.8	15.9	19.1	18.2	15.3	11.7	5.4
Juruteknik dan profesional bersekutu Technicians and associate professionals	12.1	5.3	7.3	13.0	13.5	15.0	14.1	12.5	11.4	9.9	6.2
Pekerja sokongan perkeranian Clerical support workers	9.9	13.3	8.9	11.0	11.9	10.6	9.5	8.4	8.4	6.2	5.8
Pekerja perkhidmatan dan jualan Service and sales workers	23.7	38.9	33.5	25.7	21.6	20.4	19.1	19.5	20.2	24.1	25.8
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	4.4	2.4	2.5	2.7	3.5	4.1	3.8	5.0	7.3	9.7	15.0
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	8.9	7.0	11.9	7.7	8.0	7.5	8.7	8.6	10.0	11.4	11.4
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	10.3	6.6	14.3	10.8	10.7	9.7	9.3	10.0	9.8	9.0	8.4
Pekerja asas Elementary occupations	12.4	16.8	15.6	15.4	12.2	11.7	10.0	10.2	9.5	10.2	12.1

Jadual A4.10: Penduduk bekerja mengikut pekerjaan, kumpulan umur dan jantina, Malaysia, 2023
Table A4.10: Employed persons by occupation, age group and sex, Malaysia, 2023

Lelaki/Male											
Pekerjaan Occupation	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	9,849.5	322.9	1,177.3	1,451.9	1,465.5	1,469.4	1,286.1	968.6	789.4	605.4	313.1
Pengurus Managers	569.2	2.3	11.8	38.0	61.4	78.3	96.3	97.3	82.9	61.5	39.5
Profesional Professionals	1,067.6	5.0	42.4	136.5	175.0	184.5	210.4	145.8	91.0	59.2	17.8
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,354.6	14.8	86.0	209.3	221.4	259.6	213.8	146.7	107.6	72.5	22.8
Pekerja sokongan perkeranian Clerical support workers	497.1	17.8	64.9	79.1	96.4	79.1	53.5	39.8	34.7	22.7	9.1
Pekerja perkhidmatan dan jualan Service and sales workers	1,854.9	132.8	338.2	307.0	234.2	230.8	180.5	133.0	124.6	112.1	61.9
Pekerja mahir pertanian, perhutanan, penterbangan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	580.8	12.8	36.6	53.8	74.2	83.5	67.8	61.7	71.2	67.0	52.2
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,109.0	36.3	181.0	134.6	147.8	145.4	143.7	107.1	93.2	81.1	38.9
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	1,316.6	25.0	194.1	198.8	210.9	195.1	164.4	126.7	99.9	67.4	34.3
Pekerja asas Elementary occupations	1,499.8	76.4	222.3	294.8	244.1	213.2	155.6	110.5	84.3	62.0	36.6
Jumlah ('000) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	5.8	0.7	1.0	2.6	4.2	5.3	7.5	10.0	10.5	10.2	12.6
Profesional Professionals	10.8	1.5	3.6	9.4	11.9	12.6	16.4	15.1	11.5	9.8	5.7
Juruteknik dan profesional bersekutu Technicians and associate professionals	13.8	4.6	7.3	14.4	15.1	17.7	16.6	15.1	13.6	12.0	7.3
Pekerja sokongan perkeranian Clerical support workers	5.0	5.5	5.5	5.4	6.6	5.4	4.2	4.1	4.4	3.7	2.9
Pekerja perkhidmatan dan jualan Service and sales workers	18.8	41.1	28.7	21.1	16.0	15.7	14.0	13.7	15.8	18.5	19.8
Pekerja mahir pertanian, perhutanan, penterbangan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	5.9	4.0	3.1	3.7	5.1	5.7	5.3	6.4	9.0	11.1	16.7
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	11.3	11.2	15.4	9.3	10.1	9.9	11.2	11.1	11.8	13.4	12.4
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	13.4	7.7	16.5	13.7	14.4	13.3	12.8	13.1	12.7	11.1	11.0
Pekerja asas Elementary occupations	15.2	23.7	18.9	20.3	16.7	14.5	12.1	11.4	10.7	10.2	11.7

Jadual A4.10: Penduduk bekerja mengikut pekerjaan, kumpulan umur dan jantina, Malaysia, 2023 (samb.)
Table A4.10: Employed persons by occupation, age group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female											
Pekerjaan Occupation	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	5,963.8	281.3	618.9	968.5	966.1	900.7	843.4	560.0	430.2	263.1	131.7
Pengurus Managers	193.4	6.1	7.2	24.2	28.9	39.1	40.3	18.2	17.3	7.1	5.0
Profesional Professionals	1,074.0	44.9	47.4	132.4	184.3	192.7	195.5	132.8	95.3	42.4	6.4
Juruteknik dan profesional bersekutu Technicians and associate professionals	552.2	17.4	44.5	105.2	107.4	97.0	86.5	44.8	31.1	13.8	4.6
Pekerja sokongan perkeranian Clerical support workers	1,065.8	62.9	94.7	187.1	194.1	173.0	149.2	89.3	68.1	30.8	16.6
Pekerja perkhidmatan dan jualan Service and sales workers	1,889.0	102.2	263.7	316.1	292.2	252.8	225.9	164.3	122.0	97.0	52.9
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	122.3	1.8	8.4	10.9	10.0	13.8	13.5	14.6	17.9	17.0	14.4
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	293.2	6.3	32.0	50.9	47.7	33.3	40.9	24.2	28.2	18.1	11.6
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	317.5	14.9	62.3	63.7	48.1	35.5	33.8	26.5	19.1	10.5	3.0
Pekerja asas Elementary occupations	456.4	24.8	58.7	78.1	53.4	63.5	57.8	45.3	31.3	26.3	17.1
Jumlah ('000) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	3.2	2.2	1.2	2.5	3.0	4.3	4.8	3.2	4.0	2.7	3.8
Profesional Professionals	18.0	16.0	7.7	13.7	19.1	21.4	23.2	23.7	22.2	16.1	4.9
Juruteknik dan profesional bersekutu Technicians and associate professionals	9.3	6.2	7.2	10.9	11.1	10.8	10.3	8.0	7.2	5.3	3.5
Pekerja sokongan perkeranian Clerical support workers	17.9	22.3	15.3	19.3	20.1	19.2	17.7	15.9	15.8	11.7	12.6
Pekerja perkhidmatan dan jualan Service and sales workers	31.7	36.3	42.6	32.6	30.2	28.1	26.8	29.3	28.4	36.9	40.1
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	2.1	0.7	1.4	1.1	1.0	1.5	1.6	2.6	4.2	6.5	11.0
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	4.9	2.2	5.2	5.3	4.9	3.7	4.9	4.3	6.5	6.9	8.8
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	5.3	5.3	10.1	6.6	5.0	3.9	4.0	4.7	4.4	4.0	2.3
Pekerja asas Elementary occupations	7.7	8.8	9.5	8.1	5.5	7.0	6.9	8.1	7.3	10.0	13.0

Jadual A4.11: Penduduk bekerja mengikut pekerjaan, kumpulan umur dan strata, Malaysia, 2023
Table A4.11: Employed persons by occupation, age group and strata, Malaysia, 2023

Bandar/Urban											
Pekerjaan <i>Occupation</i>	Jumlah <i>Total</i>	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) <i>Total</i>	13,082.3	520.1	1,417.0	1,991.8	2,033.6	1,985.4	1,814.9	1,278.6	1,008.9	686.0	346.0
Pengurus <i>Managers</i>	698.1	8.2	17.1	54.4	82.1	109.8	128.2	107.4	92.0	59.8	39.1
Profesional <i>Professionals</i>	1,960.8	49.5	77.4	239.7	326.9	350.1	379.2	257.7	169.3	89.1	21.9
Juruteknik dan profesional bersekutu <i>Technicians and associate professionals</i>	1,753.8	31.4	112.3	284.8	302.9	329.1	281.7	177.4	129.1	79.6	25.4
Pekerja sokongan perkeranian <i>Clerical support workers</i>	1,411.8	78.7	136.2	234.4	263.9	228.2	184.9	118.9	94.4	47.6	24.6
Pekerja perkhidmatan dan jualan <i>Service and sales workers</i>	3,220.7	207.7	501.3	544.2	452.3	417.0	355.3	256.2	209.4	178.5	98.8
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan <i>Skilled agricultural, forestry, livestock and fishery workers</i>	294.8	6.4	18.4	37.3	43.6	46.6	32.6	25.6	33.6	26.9	24.0
Pekerja kemahiran dan pekerja pertukangan yang berkaitan <i>Craft and related trades workers</i>	1,175.6	36.6	180.3	148.2	162.9	148.9	156.6	111.1	104.5	84.5	42.0
Operator mesin dan loji, dan pemasang <i>Plant and machine operators and assemblers</i>	1,343.2	32.3	204.8	213.5	214.2	190.9	164.4	127.6	102.6	61.8	31.1
Pekerja asas <i>Elementary occupations</i>	1,223.6	69.3	169.2	235.3	184.7	164.7	132.0	96.6	74.0	58.3	39.3
Jumlah ('000) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus <i>Managers</i>	5.3	1.6	1.2	2.7	4.0	5.5	7.1	8.4	9.1	8.7	11.3
Profesional <i>Professionals</i>	15.0	9.5	5.5	12.0	16.1	17.6	20.9	20.2	16.8	13.0	6.3
Juruteknik dan profesional bersekutu <i>Technicians and associate professionals</i>	13.4	6.0	7.9	14.3	14.9	16.6	15.5	13.9	12.8	11.6	7.3
Pekerja sokongan perkeranian <i>Clerical support workers</i>	10.8	15.1	9.6	11.8	13.0	11.5	10.2	9.3	9.4	6.9	7.1
Pekerja perkhidmatan dan jualan <i>Service and sales workers</i>	24.6	39.9	35.4	27.3	22.2	21.0	19.6	20.0	20.8	26.0	28.6
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan <i>Skilled agricultural, forestry, livestock and fishery workers</i>	2.3	1.2	1.3	1.9	2.1	2.3	1.8	2.0	3.3	3.9	6.9
Pekerja kemahiran dan pekerja pertukangan yang berkaitan <i>Craft and related trades workers</i>	9.0	7.0	12.7	7.4	8.0	7.5	8.6	8.7	10.4	12.3	12.1
Operator mesin dan loji, dan pemasang <i>Plant and machine operators and assemblers</i>	10.3	6.2	14.5	10.7	10.5	9.6	9.1	10.0	10.2	9.0	9.0
Pekerja asas <i>Elementary occupations</i>	9.4	13.3	11.9	11.8	9.1	8.3	7.3	7.6	7.3	8.5	11.4

Jadual A4.11: Penduduk bekerja mengikut pekerjaan, kumpulan umur dan strata, Malaysia, 2023 (samb.)
Table A4.11: Employed persons by occupation, age group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural											
Pekerjaan Occupation	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	2,731.1	84.2	379.2	428.6	397.9	384.6	314.6	250.0	210.7	182.4	98.8
Pengurus Managers	64.4	0.2	1.8	7.7	8.2	7.6	8.4	8.1	8.1	8.8	5.4
Profesional Professionals	180.8	0.3	12.3	29.1	32.4	27.0	26.7	20.8	17.1	12.6	2.3
Juruteknik dan profesional bersekutu Technicians and associate professionals	153.0	0.8	18.2	29.7	25.9	27.5	18.6	14.1	9.6	6.7	2.0
Pekerja sokongan perkeranian Clerical support workers	151.1	1.9	23.4	31.8	26.7	23.8	17.8	10.1	8.3	6.0	1.2
Pekerja perkhidmatan dan jualan Service and sales workers	523.3	27.2	100.6	78.9	74.0	66.6	51.2	41.1	37.2	30.5	15.9
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	408.3	8.2	26.6	27.4	40.6	50.7	48.8	50.7	55.5	57.1	42.7
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	226.7	6.0	32.7	37.3	32.6	29.8	28.0	20.2	16.9	14.7	8.6
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	290.9	7.7	51.7	49.0	44.8	39.7	33.8	25.6	16.3	16.0	6.2
Pekerja asas Elementary occupations	732.6	31.9	111.8	137.6	112.7	111.9	81.4	59.2	41.7	30.0	14.4
Jumlah ('000) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	2.4	0.2	0.5	1.8	2.1	2.0	2.7	3.3	3.9	4.8	5.5
Profesional Professionals	6.6	0.4	3.3	6.8	8.1	7.0	8.5	8.3	8.1	6.9	2.4
Juruteknik dan profesional bersekutu Technicians and associate professionals	5.6	0.9	4.8	6.9	6.5	7.1	5.9	5.6	4.6	3.7	2.1
Pekerja sokongan perkeranian Clerical support workers	5.5	2.3	6.2	7.4	6.7	6.2	5.7	4.0	3.9	3.3	1.2
Pekerja perkhidmatan dan jualan Service and sales workers	19.2	32.3	26.5	18.4	18.6	17.3	16.3	16.4	17.6	16.7	16.1
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	15.0	9.8	7.0	6.4	10.2	13.2	15.5	20.3	26.3	31.3	43.2
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	8.3	7.1	8.6	8.7	8.2	7.7	8.9	8.1	8.0	8.1	8.7
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	10.7	9.1	13.6	11.4	11.3	10.3	10.8	10.2	7.7	8.8	6.3
Pekerja asas Elementary occupations	26.8	37.9	29.5	32.1	28.3	29.1	25.9	23.7	19.8	16.4	14.6

Jadual A4.12: Penduduk bekerja mengikut industri, strata dan jantina, Malaysia, 2023

Table A4.12: Employed persons by industry, strata and sex, Malaysia, 2023

Industri <i>Industry</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah¹ ('000) <i>Total</i>	15,813.4	9,849.5	5,963.8	13,082.3	7,952.3	5,129.9	2,731.1	1,897.2	833.9
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	1,437.4	1,195.9	241.6	522.3	429.1	93.1	915.2	766.8	148.4
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	88.8	59.1	29.7	77.1	50.4	26.7	11.7	8.7	3.0
Pembuatan <i>Manufacturing</i>	2,597.8	1,704.6	893.2	2,270.7	1,480.9	789.8	327.1	223.7	103.4
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	81.5	73.9	7.6	71.1	64.5	6.6	10.4	9.4	1.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	85.5	68.2	17.2	74.9	59.1	15.8	10.5	9.1	1.4
Pembinaan <i>Construction</i>	1,284.5	1,127.6	156.9	1,063.5	918.5	145.1	221.0	209.2	11.8
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	2,991.5	1,693.9	1,297.6	2,647.3	1,500.8	1,146.5	344.2	193.1	151.1
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	735.3	581.4	153.9	648.8	503.4	145.4	86.5	78.0	8.5
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	1,592.8	815.5	777.3	1,372.0	714.0	658.0	220.8	101.5	119.3
Maklumat dan komunikasi <i>Information and communication</i>	268.1	182.1	86.0	257.8	175.4	82.5	10.3	6.7	3.6
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	434.2	208.2	226.0	416.3	199.9	216.4	18.0	8.4	9.6
Aktiviti hartanah <i>Real estate activities</i>	92.8	57.0	35.8	90.5	55.4	35.2	2.3	1.6	0.7
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	390.3	212.5	177.8	372.2	204.6	167.6	18.1	7.9	10.2
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	886.3	542.1	344.3	740.7	435.0	305.7	145.7	107.1	38.6
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	797.1	563.3	233.8	688.8	491.8	197.1	108.2	71.5	36.7
Pendidikan <i>Education</i>	989.5	341.2	648.4	847.6	293.9	553.8	141.9	47.3	94.6
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	626.4	223.9	402.4	560.3	204.3	355.9	66.1	19.6	46.5
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	72.5	39.2	33.3	64.2	34.8	29.4	8.4	4.5	3.9
Aktiviti perkhidmatan lain <i>Other service activities</i>	261.6	154.5	107.1	228.4	131.6	96.8	33.2	22.9	10.3
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	99.2	5.4	93.9	67.7	5.2	62.6	31.4	0.2	31.2

Jadual A4.12 Penduduk bekerja mengikut industri, strata dan jantina, Malaysia, 2023 (samb.)

Table A4.12 Employed persons by industry, strata and sex, Malaysia, 2023 (cont'd)

Industri Industry	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ¹ (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	9.1	12.1	4.1	4.0	5.4	1.8	33.5	40.4	17.8
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	0.6	0.6	0.5	0.6	0.6	0.5	0.4	0.5	0.4
Pembuatan <i>Manufacturing</i>	16.4	17.3	15.0	17.4	18.6	15.4	12.0	11.8	12.4
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	0.5	0.8	0.1	0.5	0.8	0.1	0.4	0.5	0.1
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	0.5	0.7	0.3	0.6	0.7	0.3	0.4	0.5	0.2
Pembinaan <i>Construction</i>	8.1	11.4	2.6	8.1	11.6	2.8	8.1	11.0	1.4
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	18.9	17.2	21.8	20.2	18.9	22.3	12.6	10.2	18.1
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	4.6	5.9	2.6	5.0	6.3	2.8	3.2	4.1	1.0
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	10.1	8.3	13.0	10.5	9.0	12.8	8.1	5.3	14.3
Maklumat dan komunikasi <i>Information and communication</i>	1.7	1.8	1.4	2.0	2.2	1.6	0.4	0.4	0.4
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	2.7	2.1	3.8	3.2	2.5	4.2	0.7	0.4	1.2
Aktiviti hartanah <i>Real estate activities</i>	0.6	0.6	0.6	0.7	0.7	0.7	0.1	0.1	0.1
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	2.5	2.2	3.0	2.8	2.6	3.3	0.7	0.4	1.2
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	5.6	5.5	5.8	5.7	5.5	6.0	5.3	5.6	4.6
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	5.0	5.7	3.9	5.3	6.2	3.8	4.0	3.8	4.4
Pendidikan <i>Education</i>	6.3	3.5	10.9	6.5	3.7	10.8	5.2	2.5	11.3
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	4.0	2.3	6.7	4.3	2.6	6.9	2.4	1.0	5.6
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	0.5	0.4	0.6	0.5	0.4	0.6	0.3	0.2	0.5
Aktiviti perkhidmatan lain <i>Other service activities</i>	1.7	1.6	1.8	1.7	1.7	1.9	1.2	1.2	1.2
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	0.6	0.1	1.6	0.5	0.1	1.2	1.1	0.0	3.7

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.13
Table A4.13

Penduduk bekerja mengikut industri dan kumpulan etnik, Malaysia, 2023
Employed persons by industry and ethnic group, Malaysia, 2023

Industry <i>Industri</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non- Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ¹ ('000) <i>Total</i>	15,813.4	13,809.3	9,401.7	3,367.1	955.9	84.7	2,004.0
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	1,437.4	963.1	770.2	150.0	28.0	14.9	474.4
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	88.8	84.7	49.6	21.9	13.0	0.2	4.1
Pembuatan <i>Manufacturing</i>	2,597.8	2,231.8	1,488.6	541.5	186.6	15.2	366.0
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	81.5	79.2	65.7	7.7	5.8	0.1	2.3
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	85.5	81.5	48.3	21.7	11.5	-	4.0
Pembinaan <i>Construction</i>	1,284.5	985.8	634.9	288.2	55.4	7.5	298.7
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	2,991.5	2,677.1	1,622.1	868.2	169.0	18.0	314.4
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	735.3	706.7	473.2	142.4	88.6	2.5	28.6
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	1,592.8	1,363.2	917.8	370.5	66.8	8.1	229.6
Maklumat dan komunikasi <i>Information and communication</i>	268.1	251.9	163.5	67.8	19.2	1.3	16.2
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	434.2	431.4	239.3	154.0	35.8	2.3	2.9
Aktiviti hartanah <i>Real estate activities</i>	92.8	91.0	41.3	42.6	6.6	0.6	1.8
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	390.3	377.7	194.4	142.9	40.1	0.3	12.6
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	886.3	774.2	567.2	122.9	80.6	3.4	112.2
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	797.1	796.1	716.9	55.6	22.7	0.9	0.9
Pendidikan <i>Education</i>	989.5	975.9	769.4	149.7	55.8	0.9	13.7
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	626.4	617.1	470.1	104.3	38.5	4.2	9.3
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	72.5	64.4	35.0	23.8	4.5	1.1	8.2
Aktiviti perkhidmatan lain <i>Other service activities</i>	261.6	248.2	130.9	89.0	26.9	1.4	13.4
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	99.2	8.5	3.5	2.5	0.5	2.0	90.8

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.13: Penduduk bekerja mengikut industri dan kumpulan etnik, Malaysia, 2023 (samb.)
Table A4.13: Employed persons by industry and ethnic group, Malaysia, 2023 (cont'd)

Industry Industri	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ¹ (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	9.1	7.0	8.2	4.5	2.9	17.6	23.7
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	0.6	0.6	0.5	0.7	1.4	0.2	0.2
Pembuatan <i>Manufacturing</i>	16.4	16.2	15.8	16.1	19.5	17.9	18.3
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	0.5	0.6	0.7	0.2	0.6	0.1	0.1
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	0.5	0.6	0.5	0.6	1.2	-	0.2
Pembinaan <i>Construction</i>	8.1	7.1	6.8	8.6	5.8	8.9	14.9
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	18.9	19.4	17.3	25.8	17.7	21.3	15.7
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	4.6	5.1	5.0	4.2	9.3	3.0	1.4
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	10.1	9.9	9.8	11.0	7.0	9.6	11.5
Maklumat dan komunikasi <i>Information and communication</i>	1.7	1.8	1.7	2.0	2.0	1.5	0.8
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	2.7	3.1	2.5	4.6	3.7	2.7	0.1
Aktiviti hartanah <i>Real estate activities</i>	0.6	0.7	0.4	1.3	0.7	0.7	0.1
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	2.5	2.7	2.1	4.2	4.2	0.4	0.6
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	5.6	5.6	6.0	3.7	8.4	4.0	5.6
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	5.0	5.8	7.6	1.7	2.4	1.1	0.0
Pendidikan <i>Education</i>	6.3	7.1	8.2	4.4	5.8	1.1	0.7
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	4.0	4.5	5.0	3.1	4.0	5.0	0.5
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	0.5	0.5	0.4	0.7	0.5	1.3	0.4
Aktiviti perkhidmatan lain <i>Other service activities</i>	1.7	1.8	1.4	2.6	2.8	1.7	0.7
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	0.6	0.1	0.0	0.1	0.1	2.4	4.5

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.14: Penduduk bekerja mengikut industri, kumpulan etnik dan jantina, Malaysia, 2023
Table A4.14: Employed persons by industry, ethnic group and sex, Malaysia, 2023

Lelaki/Male							
Industry Industri	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah¹ ('000) Total	9,849.5	8,260.5	5,722.7	1,933.4	551.0	53.3	1,589.1
Pertanian, perhutanan dan perikanan Agriculture, forestry and fishing	1,195.9	769.7	624.0	111.7	21.6	12.5	426.2
Perlombongan dan pengkuarian Mining and quarrying	59.1	55.1	35.4	11.9	7.8	0.0	4.0
Pembuatan Manufacturing	1,704.6	1,398.5	940.0	334.9	113.5	10.2	306.2
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	73.9	73.2	61.1	6.7	5.4	-	0.8
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	68.2	64.5	40.5	14.5	9.5	-	3.7
Pembinaan Construction	1,127.6	831.3	555.1	227.0	41.9	7.2	296.4
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal Wholesale and retail trade; repair of motor vehicles and motorcycles	1,693.9	1,435.0	844.6	495.8	86.7	7.9	258.9
Pengangkutan dan penyimpanan Transportation and storage	581.4	555.4	397.4	84.3	71.5	2.2	26.0
Penginapan dan aktiviti perkhidmatan makanan dan minuman Accommodation and food and beverage service activities	815.5	676.9	444.5	200.2	27.7	4.4	138.7
Maklumat dan komunikasi Information and communication	182.1	168.8	118.4	40.8	8.8	0.8	13.3
Aktiviti kewangan dan insurans/takaful Financial and insurance/takaful activities	208.2	207.1	111.4	72.8	21.7	1.2	1.1
Aktiviti hartanah Real estate activities	57.0	55.2	21.2	29.3	4.2	0.6	1.7
Aktiviti profesional, saintifik dan teknikal Professional, scientific and technical activities	212.5	200.7	105.4	73.0	22.0	0.2	11.8
Aktiviti pentadbiran dan khidmat sokongan Administrative and support service activities	542.1	473.7	379.1	48.8	43.9	1.9	68.4
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	563.3	562.6	519.9	29.3	12.8	0.5	0.7
Pendidikan Education	341.2	331.5	274.1	44.2	13.1	0.1	9.7
Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	223.9	219.8	143.1	55.1	18.7	2.9	4.1
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	39.2	31.7	18.7	11.0	2.0	0.0	7.6
Aktiviti perkhidmatan lain Other service activities	154.5	147.4	87.5	41.2	17.9	0.6	7.1
Aktiviti isi rumah sebagai majikan Activities of households as employers	5.4	2.6	1.1	1.1	0.4	-	2.9

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.14
Table A4.14

Penduduk bekerja mengikut industri, kumpulan etnik dan jantina, Malaysia, 2023 (samb.)
Employed persons by industry, ethnic group and sex, Malaysia, 2023 (cont'd)

Lelaki/Male							
Industri Industry	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ¹ (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pertanian, perhutanan dan perikanan Agriculture, forestry and fishing	12.1	9.3	10.9	5.8	3.9	23.5	26.8
Perlombongan dan pengkuarian Mining and quarrying	0.6	0.7	0.6	0.6	1.4	0.0	0.3
Pembuatan Manufacturing	17.3	16.9	16.4	17.3	20.6	19.1	19.3
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.8	0.9	1.1	0.3	1.0	-	0.1
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.7	0.8	0.7	0.7	1.7	-	0.2
Pembinaan Construction	11.4	10.1	9.7	11.7	7.6	13.5	18.7
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal Wholesale and retail trade; repair of motor vehicles and motorcycles	17.2	17.4	14.8	25.6	15.7	14.8	16.3
Pengangkutan dan penyimpanan Transportation and storage	5.9	6.7	6.9	4.4	13.0	4.1	1.6
Penginapan dan aktiviti perkhidmatan makanan dan minuman Accommodation and food and beverage service activities	8.3	8.2	7.8	10.4	5.0	8.3	8.7
Maklumat dan komunikasi Information and communication	1.8	2.0	2.1	2.1	1.6	1.5	0.8
Aktiviti kewangan dan insurans/takaful Financial and insurance/takaful activities	2.1	2.5	1.9	3.8	3.9	2.3	0.1
Aktiviti hartanah Real estate activities	0.6	0.7	0.4	1.5	0.8	1.1	0.1
Aktiviti profesional, saintifik dan teknikal Professional, scientific and technical activities	2.2	2.4	1.8	3.8	4.0	0.4	0.7
Aktiviti pentadbiran dan khidmat sokongan Administrative and support service activities	5.5	5.7	6.6	2.5	8.0	3.6	4.3
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	5.7	6.8	9.1	1.5	2.3	0.9	0.0
Pendidikan Education	3.5	4.0	4.8	2.3	2.4	0.2	0.6
Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	2.3	2.7	2.5	2.8	3.4	5.4	0.3
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.4	0.4	0.3	0.6	0.4	-	0.5
Aktiviti perkhidmatan lain Other service activities	1.6	1.8	1.5	2.1	3.2	1.1	0.4
Aktiviti isi rumah sebagai majikan Activities of households as employers	0.1	0.0	0.0	0.1	0.1	-	0.2

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.14 Penduduk bekerja mengikut industri, kumpulan etnik dan jantina, Malaysia, 2023 (samb.)
Table A4.14 Employed persons by industry, ethnic group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female							
Industry Industri	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ¹ ('000) Total	5,963.8	5,548.9	3,679.0	1,433.7	404.9	31.4	414.9
Pertanian, perhutanan dan perikanan Agriculture, forestry and fishing	241.6	193.4	146.2	38.3	6.4	2.4	48.2
Perlombongan dan pengkuarian Mining and quarrying	29.7	29.6	14.2	10.0	5.3	0.1	0.2
Pembuatan Manufacturing	893.2	833.3	548.6	206.6	73.1	5.0	59.9
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	7.6	6.1	4.6	1.0	0.4	0.1	1.5
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	17.2	17.0	7.7	7.2	2.0	-	0.3
Pembinaan Construction	156.9	154.5	79.8	61.1	13.5	0.2	2.3
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal Wholesale and retail trade; repair of motor vehicles and motorcycles	1,297.6	1,242.1	777.4	372.4	82.2	10.1	55.5
Pengangkutan dan penyimpanan Transportation and storage	153.9	151.3	75.7	58.1	17.1	0.4	2.6
Penginapan dan aktiviti perkhidmatan makanan dan minuman Accommodation and food and beverage service activities	777.3	686.4	473.3	170.4	39.1	3.6	90.9
Maklumat dan komunikasi Information and communication	86.0	83.1	45.1	27.1	10.4	0.5	2.9
Aktiviti kewangan dan insurans/takaful Financial and insurance/takaful activities	226.0	224.3	127.9	81.3	14.0	1.0	1.8
Aktiviti hartanah Real estate activities	35.8	35.7	20.1	13.2	2.4	-	0.1
Aktiviti profesional, saintifik dan teknikal Professional, scientific and technical activities	177.8	177.1	88.9	69.9	18.1	0.1	0.7
Aktiviti pentadbiran dan khidmat sokongan Administrative and support service activities	344.3	300.5	188.1	74.0	36.8	1.6	43.8
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	233.8	233.5	197.0	26.3	9.9	0.4	0.3
Pendidikan Education	648.4	644.4	495.3	105.5	42.8	0.8	4.0
Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	402.4	397.3	327.0	49.2	19.8	1.3	5.2
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	33.3	32.7	16.3	12.8	2.5	1.1	0.6
Aktiviti perkhidmatan lain Other service activities	107.1	100.8	43.3	47.8	9.0	0.7	6.3
Aktiviti isi rumah sebagai majikan Activities of households as employers	93.9	5.9	2.4	1.4	0.1	2.0	87.9

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.14: Penduduk bekerja mengikut industri, kumpulan etnik dan jantina, Malaysia, 2023 (samb.)
Table A4.14: Employed persons by industry, ethnic group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female							
Industry Industri	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ¹ (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pertanian, perhutanan dan perikanan Agriculture, forestry and fishing	4.1	3.5	4.0	2.7	1.6	7.6	11.6
Perlombongan dan pengkuarian Mining and quarrying	0.5	0.5	0.4	0.7	1.3	0.3	0.0
Pembuatan Manufacturing	15.0	15.0	14.9	14.4	18.1	15.9	14.4
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.1	0.1	0.1	0.1	0.1	0.3	0.4
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.3	0.3	0.2	0.5	0.5	-	0.1
Pembinaan Construction	2.6	2.8	2.2	4.3	3.3	0.6	0.6
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal Wholesale and retail trade; repair of motor vehicles and motorcycles	21.8	22.4	21.1	26.0	20.3	32.2	13.4
Pengangkutan dan penyimpanan Transportation and storage	2.6	2.7	2.1	4.1	4.2	1.3	0.6
Penginapan dan aktiviti perkhidmatan makanan dan minuman Accommodation and food and beverage service activities	13.0	12.4	12.9	11.9	9.7	11.5	21.9
Maklumat dan komunikasi Information and communication	1.4	1.5	1.2	1.9	2.6	1.6	0.7
Aktiviti kewangan dan insurans/takaful Financial and insurance/takaful activities	3.8	4.0	3.5	5.7	3.5	3.2	0.4
Aktiviti hartanah Real estate activities	0.6	0.6	0.5	0.9	0.6	-	0.0
Aktiviti profesional, saintifik dan teknikal Professional, scientific and technical activities	3.0	3.2	2.4	4.9	4.5	0.3	0.2
Aktiviti pentadbiran dan khidmat sokongan Administrative and support service activities	5.8	5.4	5.1	5.2	9.1	5.1	10.6
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	3.9	4.2	5.4	1.8	2.4	1.3	0.1
Pendidikan Education	10.9	11.6	13.5	7.4	10.6	2.5	1.0
Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	6.7	7.2	8.9	3.4	4.9	4.1	1.3
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.6	0.6	0.4	0.9	0.6	3.5	0.1
Aktiviti perkhidmatan lain Other service activities	1.8	1.8	1.2	3.3	2.2	2.2	1.5
Aktiviti isi rumah sebagai majikan Activities of households as employers	1.6	0.1	0.1	0.1	0.0	6.4	21.2

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.15: Penduduk bekerja mengikut industri, kumpulan etnik dan strata, Malaysia, 2023
Table A4.15: Employed persons by industry, ethnic group and strata, Malaysia, 2023

Bandar/Urban							
Industry Industri	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ¹ ('000) Total	13,082.3	11,638.5	7,464.4	3,216.9	903.5	53.8	1,443.8
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	522.3	408.2	267.0	116.8	20.1	4.3	114.0
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	77.1	74.0	40.2	21.2	12.5	0.1	3.2
Pembuatan <i>Manufacturing</i>	2,270.7	1,958.2	1,251.1	521.6	174.1	11.4	312.5
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	71.1	68.9	55.8	7.3	5.7	0.1	2.2
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	74.9	71.1	38.7	21.4	11.1	-	3.8
Pembinaan <i>Construction</i>	1,063.5	823.6	487.2	276.7	53.2	6.6	239.9
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	2,647.3	2,351.4	1,354.2	827.1	159.1	11.0	295.9
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	648.8	623.2	399.2	138.6	84.3	1.1	25.6
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	1,372.0	1,164.8	740.8	354.1	64.0	5.9	207.2
Maklumat dan komunikasi <i>Information and communication</i>	257.8	241.8	154.3	67.2	19.0	1.2	16.0
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	416.3	413.8	224.0	152.2	35.3	2.3	2.5
Aktiviti hartanah <i>Real estate activities</i>	90.5	88.7	39.3	42.4	6.5	0.6	1.8
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	372.2	359.6	178.5	141.3	39.7	0.1	12.6
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	740.7	636.7	438.5	119.0	76.9	2.3	103.9
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	688.8	687.9	611.7	53.7	21.9	0.6	0.9
Pendidikan <i>Education</i>	847.6	834.0	635.8	144.3	53.5	0.5	13.6
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	560.3	551.8	409.7	102.0	37.1	3.0	8.4
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	64.2	56.0	28.3	23.2	4.5	-	8.2
Aktiviti perkhidmatan lain <i>Other service activities</i>	228.4	217.3	107.3	84.3	24.8	0.9	11.1
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	67.7	7.5	2.7	2.4	0.5	1.9	60.4

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.15: Penduduk bekerja mengikut industri, kumpulan etnik dan strata, Malaysia, 2023 (samb.)
Table A4.15: Employed persons by industry, ethnic group and strata, Malaysia, 2023 (cont'd)

Bandar/Urban							
Industry Industri	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ¹ (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pertanian, perhutanan dan perikanan Agriculture, forestry and fishing	4.0	3.5	3.6	3.6	2.2	8.0	7.9
Perlombongan dan pengkuarian Mining and quarrying	0.6	0.6	0.5	0.7	1.4	0.2	0.2
Pembuatan Manufacturing	17.4	16.8	16.8	16.2	19.3	21.2	21.6
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.5	0.6	0.7	0.2	0.6	0.2	0.2
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.6	0.6	0.5	0.7	1.2	-	0.3
Pembinaan Construction	8.1	7.1	6.5	8.6	5.9	12.3	16.6
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal Wholesale and retail trade; repair of motor vehicles and motorcycles	20.2	20.2	18.1	25.7	17.6	20.4	20.5
Pengangkutan dan penyimpanan Transportation and storage	5.0	5.4	5.3	4.3	9.3	2.0	1.8
Penginapan dan aktiviti perkhidmatan makanan dan minuman Accommodation and food and beverage service activities	10.5	10.0	9.9	11.0	7.1	11.0	14.4
Maklumat dan komunikasi Information and communication	2.0	2.1	2.1	2.1	2.1	2.2	1.1
Aktiviti kewangan dan insurans/takaful Financial and insurance/takaful activities	3.2	3.6	3.0	4.7	3.9	4.3	0.2
Aktiviti hartanah Real estate activities	0.7	0.8	0.5	1.3	0.7	1.1	0.1
Aktiviti profesional, saintifik dan teknikal Professional, scientific and technical activities	2.8	3.1	2.4	4.4	4.4	0.2	0.9
Aktiviti pentadbiran dan khidmat sokongan Administrative and support service activities	5.7	5.5	5.9	3.7	8.5	4.3	7.2
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	5.3	5.9	8.2	1.7	2.4	1.1	0.1
Pendidikan Education	6.5	7.2	8.5	4.5	5.9	0.9	0.9
Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	4.3	4.7	5.5	3.2	4.1	5.6	0.6
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.5	0.5	0.4	0.7	0.5	-	0.6
Aktiviti perkhidmatan lain Other service activities	1.7	1.9	1.4	2.6	2.7	1.7	0.8
Aktiviti isi rumah sebagai majikan Activities of households as employers	0.5	0.1	0.0	0.1	0.1	3.5	4.2

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.15: Penduduk bekerja mengikut industri, kumpulan etnik dan strata, Malaysia, 2023
Table A4.15 Employed persons by industry, ethnic group and strata, Malaysia, 2023

Luar bandar/Rural							
Industry Industri	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ¹ ('000) Total	2,731.1	2,170.8	1,937.3	150.2	52.4	30.9	560.3
Pertanian, perhutanan dan perikanan Agriculture, forestry and fishing	915.2	554.8	503.2	33.2	7.9	10.6	360.4
Perlombongan dan pengkuarian Mining and quarrying	11.7	10.8	9.4	0.7	0.6	0.0	0.9
Pembuatan Manufacturing	327.1	273.6	237.5	19.9	12.5	3.8	53.5
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	10.4	10.3	9.9	0.4	0.1	-	0.1
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	10.5	10.3	9.6	0.4	0.4	-	0.2
Pembinaan Construction	221.0	162.2	147.7	11.5	2.2	0.8	58.8
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal Wholesale and retail trade; repair of motor vehicles and motorcycles	344.2	325.7	267.9	41.0	9.9	6.9	18.5
Pengangkutan dan penyimpanan Transportation and storage	86.5	83.5	73.9	3.8	4.3	1.4	3.0
Penginapan dan aktiviti perkhidmatan makanan dan minuman Accommodation and food and beverage service activities	220.8	198.4	177.0	16.4	2.8	2.2	22.4
Maklumat dan komunikasi Information and communication	10.3	10.1	9.2	0.6	0.2	0.1	0.2
Aktiviti kewangan dan insurans/takaful Financial and insurance/takaful activities	18.0	17.6	15.3	1.8	0.5	-	0.4
Aktiviti hartanah Real estate activities	2.3	2.3	2.0	0.2	0.1	-	-
Aktiviti profesional, saintifik dan teknikal Professional, scientific and technical activities	18.1	18.1	15.8	1.6	0.5	0.2	-
Aktiviti pentadbiran dan khidmat sokongan Administrative and support service activities	145.7	137.5	128.7	3.8	3.8	1.1	8.2
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	108.2	108.2	105.2	1.9	0.8	0.3	0.0
Pendidikan Education	141.9	141.8	133.6	5.4	2.4	0.5	0.1
Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	66.1	65.3	60.4	2.3	1.4	1.2	0.8
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	8.4	8.4	6.7	0.6	-	1.1	-
Aktiviti perkhidmatan lain Other service activities	33.2	30.9	23.6	4.7	2.2	0.5	2.3
Aktiviti isi rumah sebagai majikan Activities of households as employers	31.4	1.0	0.8	0.0	-	0.1	30.4

¹Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.15: Penduduk bekerja mengikut industri, kumpulan etnik dan strata, Malaysia, 2023 (samb.)
Table A4.15: Employed persons by industry, ethnic group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural							
Industry Industri	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ¹ (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pertanian, perhutanan dan perikanan Agriculture, forestry and fishing	33.5	25.6	26.0	22.1	15.1	34.3	64.3
Perlombongan dan pengkuarian Mining and quarrying	0.4	0.5	0.5	0.5	1.1	-	0.2
Pembuatan Manufacturing	12.0	12.6	12.3	13.2	23.9	12.3	9.5
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.4	0.5	0.5	0.3	0.2	-	0.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.4	0.5	0.5	0.3	0.8	-	0.0
Pembinaan Construction	8.1	7.5	7.6	7.7	4.2	2.6	10.5
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal Wholesale and retail trade; repair of motor vehicles and motorcycles	12.6	15.0	13.8	27.3	18.9	22.3	3.3
Pengangkutan dan penyimpanan Transportation and storage	3.2	3.8	3.8	2.5	8.2	4.5	0.5
Penginapan dan aktiviti perkhidmatan makanan dan minuman Accommodation and food and beverage service activities	8.1	9.1	9.1	10.9	5.3	7.1	4.0
Maklumat dan komunikasi Information and communication	0.4	0.5	0.5	0.4	0.4	0.3	0.0
Aktiviti kewangan dan insurans/takaful Financial and insurance/takaful activities	0.7	0.8	0.8	1.2	1.0	-	0.1
Aktiviti hartanah Real estate activities	0.1	0.1	0.1	0.1	0.2	-	-
Aktiviti profesional, saintifik dan teknikal Professional, scientific and technical activities	0.7	0.8	0.8	1.1	1.0	0.6	-
Aktiviti pentadbiran dan khidmat sokongan Administrative and support service activities	5.3	6.3	6.6	2.5	7.3	3.6	1.5
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	4.0	5.0	5.4	1.3	1.5	1.0	-
Pendidikan Education	5.2	6.5	6.9	3.6	4.6	1.6	0.0
Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	2.4	3.0	3.1	1.5	2.7	3.9	0.1
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.3	0.4	0.3	0.4	-	3.6	-
Aktiviti perkhidmatan lain Other service activities	1.2	1.4	1.2	3.1	4.2	1.6	0.4
Aktiviti isi rumah sebagai majikan Activities of households as employers	1.1	0.0	0.0	0.0	-	0.3	5.4

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.16: Penduduk bekerja mengikut industri dan kumpulan umur, Malaysia, 2023
Table A4.16: Employed persons by industry and age group, Malaysia, 2023

Industry Industri	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah¹ ('000) Total	15,813.4	604.2	1,796.2	2,420.4	2,431.6	2,370.0	2,129.5	1,528.5	1,219.5	868.4	444.9
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	1,437.4	34.3	158.5	218.6	200.2	199.3	165.6	131.6	127.7	111.1	90.6
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	88.8	1.9	12.9	18.1	18.6	12.8	10.3	6.3	4.8	2.1	1.0
Pembuatan <i>Manufacturing</i>	2,597.8	82.2	348.6	472.0	442.6	362.0	322.4	232.8	169.4	117.9	47.9
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	81.5	0.6	6.4	12.1	15.7	13.5	12.8	8.5	6.8	4.1	1.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	85.5	2.1	10.7	19.9	11.3	10.2	9.1	8.8	7.0	3.7	2.6
Pembinaan <i>Construction</i>	1,284.5	40.7	116.3	186.0	186.6	170.5	178.6	157.6	117.6	84.2	46.4
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	2,991.5	181.3	505.7	510.8	460.6	382.6	341.5	212.4	187.1	130.1	79.4
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	735.3	18.2	68.3	115.1	120.4	107.8	87.6	76.4	76.0	40.4	25.1
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	1,592.8	89.2	239.4	242.8	205.6	225.3	186.1	142.6	108.7	95.8	57.3
Maklumat dan komunikasi <i>Information and communication</i>	268.1	12.3	21.5	37.3	45.5	47.0	45.5	31.6	18.5	7.4	1.3
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	434.2	16.9	25.5	49.1	78.1	87.6	85.1	46.2	24.3	16.1	5.4
Aktiviti hartanah <i>Real estate activities</i>	92.8	0.8	3.7	8.5	17.6	16.2	19.4	12.6	7.8	4.3	1.8
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	390.3	23.0	17.3	54.3	75.7	69.7	56.7	45.1	31.6	10.7	6.2
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	886.3	49.4	104.2	152.4	125.1	115.4	97.4	83.1	72.9	57.1	29.2
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	797.1	3.8	24.7	66.3	125.9	186.3	157.2	95.1	67.8	56.5	13.5
Pendidikan <i>Education</i>	989.5	14.7	37.3	85.9	127.0	177.9	200.8	146.6	116.8	72.4	10.0
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	626.4	13.0	34.7	96.9	112.6	120.6	99.3	54.5	48.0	32.4	14.4
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	72.5	3.4	10.3	12.5	10.6	9.4	8.5	7.1	4.8	3.9	2.0
Aktiviti perkhidmatan lain <i>Other service activities</i>	261.6	10.9	30.5	39.6	38.6	40.0	34.6	23.7	19.1	16.2	8.3
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	99.2	5.4	19.7	22.4	13.2	15.6	11.0	6.0	2.7	1.9	1.2

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.16: Penduduk bekerja mengikut industri dan kumpulan umur, Malaysia, 2023 (samb.)
Table A4.16: Employed persons by industry and age group, Malaysia, 2023 (cont'd)

Industry Industri	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ¹ (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	9.1	5.7	8.8	9.0	8.2	8.4	7.8	8.6	10.5	12.8	20.4
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	0.6	0.3	0.7	0.7	0.8	0.5	0.5	0.4	0.4	0.2	0.2
Pembuatan <i>Manufacturing</i>	16.4	13.6	19.4	19.5	18.2	15.3	15.1	15.2	13.9	13.6	10.8
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	0.5	0.1	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.2
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	0.5	0.3	0.6	0.8	0.5	0.4	0.4	0.6	0.6	0.4	0.6
Pembinaan <i>Construction</i>	8.1	6.7	6.5	7.7	7.7	7.2	8.4	10.3	9.6	9.7	10.4
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	18.9	30.0	28.2	21.1	18.9	16.1	16.0	13.9	15.3	15.0	17.8
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	4.6	3.0	3.8	4.8	5.0	4.5	4.1	5.0	6.2	4.7	5.6
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	10.1	14.8	13.3	10.0	8.5	9.5	8.7	9.3	8.9	11.0	12.9
Maklumat dan komunikasi <i>Information and communication</i>	1.7	2.0	1.2	1.5	1.9	2.0	2.1	2.1	1.5	0.9	0.3
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	2.7	2.8	1.4	2.0	3.2	3.7	4.0	3.0	2.0	1.9	1.2
Aktiviti hartanah <i>Real estate activities</i>	0.6	0.1	0.2	0.4	0.7	0.7	0.9	0.8	0.6	0.5	0.4
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	2.5	3.8	1.0	2.2	3.1	2.9	2.7	3.0	2.6	1.2	1.4
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	5.6	8.2	5.8	6.3	5.1	4.9	4.6	5.4	6.0	6.6	6.6
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	5.0	0.6	1.4	2.7	5.2	7.9	7.4	6.2	5.6	6.5	3.0
Pendidikan <i>Education</i>	6.3	2.4	2.1	3.5	5.2	7.5	9.4	9.6	9.6	8.3	2.2
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	4.0	2.2	1.9	4.0	4.6	5.1	4.7	3.6	3.9	3.7	3.2
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4
Aktiviti perkhidmatan lain <i>Other service activities</i>	1.7	1.8	1.7	1.6	1.6	1.7	1.6	1.6	1.6	1.9	1.9
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	0.6	0.9	1.1	0.9	0.5	0.7	0.5	0.4	0.2	0.2	0.3

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.17: Penduduk bekerja mengikut industri, kumpulan umur dan jantina, Malaysia, 2023
Table A4.17: Employed persons by industry, age group and sex, Malaysia, 2023

Lelaki/Male											
Industry <i>Industri</i>	Jumlah <i>Total</i>	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ¹ ('000) <i>Total</i>	9,849.5	322.9	1,177.3	1,451.9	1,465.5	1,469.4	1,286.1	968.6	789.4	605.4	313.1
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	1,195.9	31.8	137.5	187.0	167.7	173.1	140.1	106.2	98.6	87.8	66.1
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	59.1	1.0	9.9	10.4	10.2	9.5	7.4	4.4	3.5	1.8	1.0
Pembuatan <i>Manufacturing</i>	1,704.6	44.3	248.4	301.6	283.1	238.9	207.4	157.2	112.0	83.6	28.2
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	73.9	0.6	5.9	10.6	14.2	11.8	11.8	7.7	6.5	4.0	1.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	68.2	1.7	5.8	16.7	9.8	7.6	6.9	7.3	6.6	3.4	2.5
Pembinaan <i>Construction</i>	1,127.6	28.2	98.9	155.0	165.9	153.6	161.6	131.7	105.1	82.2	45.3
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	1,693.9	103.3	313.6	248.8	220.7	207.3	190.8	142.6	124.3	86.0	56.5
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	581.4	7.9	45.0	84.3	99.5	89.9	73.0	62.3	58.0	38.7	22.7
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	815.5	51.2	139.8	134.8	109.1	114.7	74.1	58.6	56.8	49.2	27.2
Maklumat dan komunikasi <i>Information and communication</i>	182.1	1.6	12.3	25.4	29.6	33.7	36.8	23.9	11.2	6.7	0.8
Aktiviti kewangan dan insurans/ takaful <i>Financial and insurance/takaful activities</i>	208.2	4.1	11.2	22.0	36.5	44.2	37.5	26.1	13.7	9.4	3.4
Aktiviti hartanah <i>Real estate activities</i>	57.0	0.8	1.8	6.3	5.9	10.3	13.5	7.4	6.3	3.2	1.5
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	212.5	1.7	6.3	22.9	29.6	50.1	38.2	34.5	18.0	7.4	3.7
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	542.1	26.1	70.4	88.1	67.3	73.0	62.5	50.9	44.6	38.0	21.2
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	563.3	1.4	18.0	44.5	94.1	133.1	106.1	63.6	45.1	45.6	11.7
Pendidikan <i>Education</i>	341.2	4.3	9.6	25.0	48.1	55.6	65.5	48.3	48.0	30.3	6.5
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	223.9	9.4	15.5	37.9	44.6	40.8	26.5	16.8	15.5	12.5	4.6
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	39.2	1.5	7.0	3.7	6.0	4.2	4.9	4.9	2.2	3.1	1.7
Aktiviti perkhidmatan lain <i>Other service activities</i>	154.5	2.0	20.5	26.4	22.7	17.6	20.7	13.3	12.6	11.5	7.2
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	5.4	0.0	0.1	0.4	1.0	0.4	0.8	0.9	0.7	0.7	0.4

Jadual A4.17: Penduduk bekerja mengikut industri, kumpulan umur dan jantina, Malaysia, 2023 (samb.)
Table A4.17: Employed persons by industry, age group and sex, Malaysia, 2023 (cont'd)

Lelaki/Male											
Industry <i>Industri</i>	Jumlah <i>Total</i>	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ¹ (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	12.1	9.8	11.7	12.9	11.4	11.8	10.9	11.0	12.5	14.5	21.1
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	0.6	0.3	0.8	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.3
Pembuatan <i>Manufacturing</i>	17.3	13.7	21.1	20.8	19.3	16.3	16.1	16.2	14.2	13.8	9.0
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	0.8	0.2	0.5	0.7	1.0	0.8	0.9	0.8	0.8	0.7	0.3
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	0.7	0.5	0.5	1.2	0.7	0.5	0.5	0.8	0.8	0.6	0.8
Pembinaan <i>Construction</i>	11.4	8.7	8.4	10.7	11.3	10.5	12.6	13.6	13.3	13.6	14.5
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	17.2	32.0	26.6	17.1	15.1	14.1	14.8	14.7	15.7	14.2	18.0
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	5.9	2.4	3.8	5.8	6.8	6.1	5.7	6.4	7.3	6.4	7.3
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	8.3	15.9	11.9	9.3	7.4	7.8	5.8	6.0	7.2	8.1	8.7
Maklumat dan komunikasi <i>Information and communication</i>	1.8	0.5	1.0	1.7	2.0	2.3	2.9	2.5	1.4	1.1	0.3
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	2.1	1.3	1.0	1.5	2.5	3.0	2.9	2.7	1.7	1.6	1.1
Aktiviti hartanah <i>Real estate activities</i>	0.6	0.2	0.2	0.4	0.4	0.7	1.0	0.8	0.8	0.5	0.5
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	2.2	0.5	0.5	1.6	2.0	3.4	3.0	3.6	2.3	1.2	1.2
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	5.5	8.1	6.0	6.1	4.6	5.0	4.9	5.3	5.6	6.3	6.8
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	5.7	0.4	1.5	3.1	6.4	9.1	8.2	6.6	5.7	7.5	3.7
Pendidikan <i>Education</i>	3.5	1.3	0.8	1.7	3.3	3.8	5.1	5.0	6.1	5.0	2.1
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	2.3	2.9	1.3	2.6	3.0	2.8	2.1	1.7	2.0	2.1	1.5
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	0.4	0.5	0.6	0.3	0.4	0.3	0.4	0.5	0.3	0.5	0.5
Aktiviti perkhidmatan lain <i>Other service activities</i>	1.6	0.6	1.7	1.8	1.5	1.2	1.6	1.4	1.6	1.9	2.3
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.17: Penduduk bekerja mengikut industri, kumpulan umur dan jantina, Malaysia, 2023 (samb.)
Table A4.17: Employed persons by industry, age group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female											
Industry <i>Industri</i>	Jumlah <i>Total</i>	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah¹ ('000) <i>Total</i>	5,963.8	281.3	618.9	968.5	966.1	900.7	843.4	560.0	430.2	263.1	131.7
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	241.6	2.6	21.0	31.5	32.5	26.2	25.4	25.5	29.2	23.3	24.5
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	29.7	0.9	3.1	7.7	8.4	3.4	2.9	1.8	1.3	0.3	0.0
Pembuatan <i>Manufacturing</i>	893.2	37.9	100.2	170.4	159.5	123.1	115.0	75.6	57.5	34.3	19.7
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	7.6	-	0.6	1.5	1.5	1.7	0.9	0.9	0.4	0.1	-
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	17.2	0.4	4.9	3.2	1.5	2.6	2.2	1.5	0.4	0.3	0.1
Pembinaan <i>Construction</i>	156.9	12.5	17.3	30.9	20.7	17.0	17.0	25.9	12.5	2.0	1.1
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	1,297.6	78.0	192.1	262.0	239.9	175.2	150.7	69.8	62.8	44.1	22.9
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	153.9	10.3	23.3	30.7	20.9	17.9	14.6	14.0	18.0	1.7	2.5
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	777.3	38.1	99.5	108.0	96.5	110.6	112.0	84.0	51.9	46.5	30.1
Maklumat dan komunikasi <i>Information and communication</i>	86.0	10.7	9.3	11.9	16.0	13.3	8.7	7.6	7.3	0.8	0.5
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	226.0	12.8	14.2	27.0	41.6	43.4	47.6	20.1	10.6	6.6	2.1
Aktiviti hartanah <i>Real estate activities</i>	35.8	-	2.0	2.3	11.6	5.9	5.9	5.2	1.6	1.2	0.3
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	177.8	21.4	11.0	31.4	46.1	19.6	18.5	10.6	13.5	3.3	2.5
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	344.3	23.3	33.8	64.3	57.8	42.4	35.0	32.2	28.3	19.1	8.0
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	233.8	2.4	6.7	21.7	31.8	53.2	51.1	31.5	22.7	10.9	1.8
Pendidikan <i>Education</i>	648.4	10.4	27.7	60.9	79.0	122.4	135.4	98.3	68.8	42.0	3.5
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	402.4	3.6	19.2	59.0	68.0	79.9	72.8	37.7	32.6	19.9	9.9
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	33.3	1.9	3.3	8.8	4.6	5.2	3.6	2.3	2.6	0.8	0.3
Aktiviti perkhidmatan lain <i>Other service activities</i>	107.1	8.9	10.1	13.2	15.9	22.4	13.9	10.5	6.4	4.7	1.1
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	93.9	5.4	19.6	22.0	12.2	15.3	10.2	5.1	2.0	1.2	0.9

Jadual A4.17: Penduduk bekerja mengikut industri, kumpulan umur dan jantina, Malaysia, 2023 (samb.)
Table A4.17: Employed persons by industry, age group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female											
Industry <i>Industri</i>	Jumlah <i>Total</i>	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ¹ (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	4.1	0.9	3.4	3.3	3.4	2.9	3.0	4.6	6.8	8.9	18.6
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	0.5	0.3	0.5	0.8	0.9	0.4	0.3	0.3	0.3	0.1	0.0
Pembuatan <i>Manufacturing</i>	15.0	13.5	16.2	17.6	16.5	13.7	13.6	13.5	13.4	13.0	15.0
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	0.1	-	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.0	-
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	0.3	0.1	0.8	0.3	0.2	0.3	0.3	0.3	0.1	0.1	0.1
Pembinaan <i>Construction</i>	2.6	4.4	2.8	3.2	2.1	1.9	2.0	4.6	2.9	0.8	0.8
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	21.8	27.7	31.0	27.1	24.8	19.5	17.9	12.5	14.6	16.8	17.4
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	2.6	3.7	3.8	3.2	2.2	2.0	1.7	2.5	4.2	0.6	1.9
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	13.0	13.5	16.1	11.2	10.0	12.3	13.3	15.0	12.1	17.7	22.9
Maklumat dan komunikasi <i>Information and communication</i>	1.4	3.8	1.5	1.2	1.7	1.5	1.0	1.4	1.7	0.3	0.4
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	3.8	4.6	2.3	2.8	4.3	4.8	5.6	3.6	2.5	2.5	1.6
Aktiviti hartanah <i>Real estate activities</i>	0.6	-	0.3	0.2	1.2	0.7	0.7	0.9	0.4	0.5	0.2
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	3.0	7.6	1.8	3.2	4.8	2.2	2.2	1.9	3.1	1.3	1.9
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	5.8	8.3	5.5	6.6	6.0	4.7	4.1	5.8	6.6	7.3	6.1
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	3.9	0.9	1.1	2.2	3.3	5.9	6.1	5.6	5.3	4.1	1.4
Pendidikan <i>Education</i>	10.9	3.7	4.5	6.3	8.2	13.6	16.1	17.6	16.0	16.0	2.7
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	6.7	1.3	3.1	6.1	7.0	8.9	8.6	6.7	7.6	7.6	7.5
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	0.6	0.7	0.5	0.9	0.5	0.6	0.4	0.4	0.6	0.3	0.2
Aktiviti perkhidmatan lain <i>Other service activities</i>	1.8	3.2	1.6	1.4	1.6	2.5	1.6	1.9	1.5	1.8	0.8
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	1.6	1.9	3.2	2.3	1.3	1.7	1.2	0.9	0.5	0.5	0.7

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.18: Penduduk bekerja mengikut industri, kumpulan umur dan strata, Malaysia, 2023
Table A4.18: Employed persons by industry, age group and strata, Malaysia, 2023

Bandar/Urban											
Industri Industry	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ¹ ('000) Total	13,082.3	520.1	1,417.0	1,991.8	2,033.6	1,985.4	1,814.9	1,278.6	1,008.9	686.0	346.0
Pertanian, perhutanan dan perikanan Agriculture, forestry and fishing	522.3	9.7	71.2	98.4	73.7	58.7	50.5	39.0	46.7	36.7	37.7
Perlombongan dan pengkuarian Mining and quarrying	77.1	1.4	11.8	16.7	16.5	10.4	8.8	5.1	4.0	1.6	0.8
Pembuatan Manufacturing	2,270.7	74.6	285.6	405.5	383.3	324.0	292.1	209.0	151.3	103.6	41.8
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	71.1	0.5	4.5	10.3	13.4	11.5	11.6	8.1	6.5	3.8	0.8
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	74.9	1.9	9.2	17.9	9.6	8.7	7.9	8.3	6.2	3.0	2.4
Pembinaan Construction	1,063.5	36.1	85.3	144.1	155.6	145.0	153.1	135.3	101.3	69.4	38.4
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal Wholesale and retail trade; repair of motor vehicles and motorcycles	2,647.3	162.1	425.6	444.4	416.2	342.7	311.9	190.6	169.9	114.0	69.8
Pengangkutan dan penyimpanan Transportation and storage	648.8	17.0	57.8	102.1	106.7	94.1	76.6	67.3	70.5	34.8	21.9
Penginapan dan aktiviti perkhidmatan makanan dan minuman Accommodation and food and beverage service activities	1,372.0	75.6	192.8	211.1	179.5	201.1	165.2	121.1	92.2	83.2	50.3
Maklumat dan komunikasi Information and communication	257.8	11.9	19.7	34.5	44.4	45.5	44.3	31.1	18.0	7.2	1.3
Aktiviti kewangan dan insurans/takaful Financial and insurance/takaful activities	416.3	16.8	23.3	45.4	74.3	84.1	83.6	45.0	23.1	15.5	5.1
Aktiviti hartanah Real estate activities	90.5	0.7	3.5	8.0	17.4	15.8	19.2	12.4	7.6	4.1	1.8
Aktiviti profesional, saintifik dan teknikal Professional, scientific and technical activities	372.2	22.9	15.0	49.2	72.2	67.6	55.0	44.2	30.4	10.0	5.7
Aktiviti pentadbiran dan khidmat sokongan Administrative and support service activities	740.7	45.6	87.5	130.1	107.1	93.5	81.7	67.6	58.2	44.7	24.9
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	688.8	3.4	19.5	54.8	107.5	161.4	139.2	84.9	59.5	46.6	11.9
Pendidikan Education	847.6	14.0	29.4	70.9	105.2	154.7	176.7	128.3	98.2	61.5	8.7
Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	560.3	12.3	30.4	88.0	99.4	109.5	88.5	47.7	43.3	28.5	12.8
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	64.2	3.2	8.6	11.1	9.4	7.8	8.1	6.6	4.2	3.6	1.7
Aktiviti perkhidmatan lain Other service activities	228.4	10.1	26.9	35.0	33.3	35.8	30.6	21.2	15.6	12.4	7.3
Aktiviti isi rumah sebagai majikan Activities of households as employers	67.7	0.1	9.5	14.2	8.9	13.7	10.3	5.7	2.3	1.9	1.2

¹Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.18: Penduduk bekerja mengikut industri, kumpulan umur dan strata, Malaysia, 2023 (samb.)

Table A4.18: Employed persons by industry, age group and strata, Malaysia, 2023 (cont'd)

Bandar/Urban											
Industri Industry	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ¹ (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	4.0	1.9	5.0	4.9	3.6	3.0	2.8	3.1	4.6	5.3	10.9
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	0.6	0.3	0.8	0.8	0.8	0.5	0.5	0.4	0.4	0.2	0.2
Pembuatan <i>Manufacturing</i>	17.4	14.3	20.2	20.4	18.8	16.3	16.1	16.3	15.0	15.1	12.1
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	0.5	0.1	0.3	0.5	0.7	0.6	0.6	0.6	0.6	0.6	0.2
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	0.6	0.4	0.6	0.9	0.5	0.4	0.4	0.6	0.6	0.4	0.7
Pembinaan <i>Construction</i>	8.1	6.9	6.0	7.2	7.7	7.3	8.4	10.6	10.0	10.1	11.1
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	20.2	31.2	30.0	22.3	20.5	17.3	17.2	14.9	16.8	16.6	20.2
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	5.0	3.3	4.1	5.1	5.2	4.7	4.2	5.3	7.0	5.1	6.3
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	10.5	14.5	13.6	10.6	8.8	10.1	9.1	9.5	9.1	12.1	14.5
Maklumat dan komunikasi <i>Information and communication</i>	2.0	2.3	1.4	1.7	2.2	2.3	2.4	2.4	1.8	1.0	0.4
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	3.2	3.2	1.6	2.3	3.7	4.2	4.6	3.5	2.3	2.3	1.5
Aktiviti hartanah <i>Real estate activities</i>	0.7	0.1	0.2	0.4	0.9	0.8	1.1	1.0	0.8	0.6	0.5
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	2.8	4.4	1.1	2.5	3.6	3.4	3.0	3.5	3.0	1.5	1.6
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	5.7	8.8	6.2	6.5	5.3	4.7	4.5	5.3	5.8	6.5	7.2
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	5.3	0.7	1.4	2.8	5.3	8.1	7.7	6.6	5.9	6.8	3.4
Pendidikan <i>Education</i>	6.5	2.7	2.1	3.6	5.2	7.8	9.7	10.0	9.7	9.0	2.5
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	4.3	2.4	2.1	4.4	4.9	5.5	4.9	3.7	4.3	4.2	3.7
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	0.5	0.6	0.6	0.6	0.5	0.4	0.4	0.5	0.4	0.5	0.5
Aktiviti perkhidmatan lain <i>Other service activities</i>	1.7	1.9	1.9	1.8	1.6	1.8	1.7	1.7	1.5	1.8	2.1
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	0.5	0.0	0.7	0.7	0.4	0.7	0.6	0.4	0.2	0.3	0.3

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.18: Penduduk bekerja mengikut industri, kumpulan umur dan strata, Malaysia, 2023 (samb.)

Table A4.18: *Employed persons by industry, age group and strata, Malaysia, 2023 (cont'd)*

Luar bandar/Rural											
Industri Industry	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ¹ ('000) Total	2,731.1	84.2	379.2	428.6	397.9	384.6	314.6	250.0	210.7	182.4	98.8
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	915.2	24.6	87.3	120.1	126.5	140.5	115.1	92.6	81.1	74.5	52.9
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	11.7	0.5	1.1	1.3	2.1	2.4	1.5	1.1	0.8	0.6	0.3
Pembuatan <i>Manufacturing</i>	327.1	7.6	63.0	66.5	59.3	38.0	30.4	23.8	18.1	14.3	6.2
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	10.4	0.1	2.0	1.7	2.2	2.1	1.2	0.4	0.3	0.3	0.2
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	10.5	0.2	1.5	2.0	1.8	1.6	1.2	0.5	0.8	0.7	0.2
Pembinaan <i>Construction</i>	221.0	4.6	31.0	41.9	31.0	25.6	25.4	22.3	16.3	14.8	8.0
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	344.2	19.2	80.1	66.4	44.3	39.9	29.6	21.7	17.2	16.2	9.7
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	86.5	1.2	10.5	13.0	13.7	13.7	11.0	9.0	5.5	5.7	3.2
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	220.8	13.6	46.5	31.7	26.0	24.3	21.0	21.6	16.5	12.6	7.0
Maklumat dan komunikasi <i>Information and communication</i>	10.3	0.4	1.8	2.8	1.2	1.6	1.2	0.5	0.5	0.3	0.1
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	18.0	0.1	2.2	3.6	3.8	3.5	1.6	1.2	1.1	0.5	0.3
Aktiviti hartanah <i>Real estate activities</i>	2.3	0.0	0.2	0.6	0.2	0.4	0.2	0.2	0.2	0.2	-
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	18.1	0.2	2.3	5.0	3.5	2.1	1.6	0.9	1.2	0.7	0.4
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	145.7	3.9	16.7	22.3	18.1	22.0	15.7	15.6	14.7	12.4	4.3
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	108.2	0.4	5.2	11.4	18.3	24.9	18.1	10.2	8.3	9.9	1.6
Pendidikan <i>Education</i>	141.9	0.7	7.9	15.0	21.9	23.2	24.1	18.3	18.7	10.9	1.4
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	66.1	0.7	4.3	8.9	13.2	11.1	10.8	6.8	4.7	3.8	1.7
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	8.4	0.2	1.7	1.4	1.2	1.6	0.4	0.5	0.6	0.3	0.4
Aktiviti perkhidmatan lain <i>Other service activities</i>	33.2	0.8	3.7	4.6	5.3	4.2	4.0	2.5	3.5	3.8	1.0
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	31.4	5.3	10.2	8.2	4.3	2.0	0.7	0.3	0.5	0.0	0.0

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.18: Penduduk bekerja mengikut industri, kumpulan umur dan strata, Malaysia, 2023 (samb.)

Table A4.18: Employed persons by industry, age group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural											
Industri Industry	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ¹ (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pertanian, perhutanan dan perikanan Agriculture, forestry and fishing	33.5	29.2	23.0	28.0	31.8	36.5	36.6	37.0	38.5	40.8	53.5
Perlombongan dan pengkuarian Mining and quarrying	0.4	0.6	0.3	0.3	0.5	0.6	0.5	0.4	0.4	0.3	0.3
Pembuatan Manufacturing	12.0	9.0	16.6	15.5	14.9	9.9	9.7	9.5	8.6	7.8	6.3
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.4	0.1	0.5	0.4	0.6	0.5	0.4	0.2	0.1	0.2	0.2
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.4	0.2	0.4	0.5	0.5	0.4	0.4	0.2	0.4	0.4	0.2
Pembinaan Construction	8.1	5.5	8.2	9.8	7.8	6.7	8.1	8.9	7.7	8.1	8.1
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal Wholesale and retail trade; repair of motor vehicles and motorcycles	12.6	22.8	21.1	15.5	11.1	10.4	9.4	8.7	8.2	8.9	9.8
Pengangkutan dan penyimpanan Transportation and storage	3.2	1.4	2.8	3.0	3.4	3.6	3.5	3.6	2.6	3.1	3.2
Penginapan dan aktiviti perkhidmatan makanan dan minuman Accommodation and food and beverage service activities	8.1	16.2	12.3	7.4	6.5	6.3	6.7	8.6	7.8	6.9	7.1
Maklumat dan komunikasi Information and communication	0.4	0.5	0.5	0.7	0.3	0.4	0.4	0.2	0.2	0.2	0.1
Aktiviti kewangan dan insurans/takaful Financial and insurance/takaful activities	0.7	0.1	0.6	0.8	1.0	0.9	0.5	0.5	0.5	0.3	0.3
Aktiviti hartanah Real estate activities	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-
Aktiviti profesional, saintifik dan teknikal Professional, scientific and technical activities	0.7	0.2	0.6	1.2	0.9	0.5	0.5	0.4	0.6	0.4	0.4
Aktiviti pentadbiran dan khidmat sokongan Administrative and support service activities	5.3	4.6	4.4	5.2	4.5	5.7	5.0	6.2	7.0	6.8	4.4
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	4.0	0.5	1.4	2.7	4.6	6.5	5.8	4.1	3.9	5.4	1.6
Pendidikan Education	5.2	0.8	2.1	3.5	5.5	6.0	7.7	7.3	8.9	6.0	1.4
Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	2.4	0.8	1.1	2.1	3.3	2.9	3.4	2.7	2.2	2.1	1.7
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.3	0.2	0.4	0.3	0.3	0.4	0.1	0.2	0.3	0.2	0.4
Aktiviti perkhidmatan lain Other service activities	1.2	1.0	1.0	1.1	1.3	1.1	1.3	1.0	1.7	2.1	1.0
Aktiviti isi rumah sebagai majikan Activities of households as employers	1.1	6.3	2.7	1.9	1.1	0.5	0.2	0.1	0.2	0.0	0.0

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.19: Penduduk bekerja mengikut taraf pekerjaan, strata dan jantina, Malaysia, 2023
Table A4.19: Employed persons by status in employment, strata and sex, Malaysia, 2023

Taraf pekerjaan <i>Status in employment</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) <i>Total</i>	15,813.4	9,849.6	5,963.8	13,082.3	7,952.3	5,129.9	2,731.1	1,897.2	833.9
Majikan <i>Employer</i>	578.2	453.4	124.7	537.7	419.4	118.3	40.5	34.0	6.4
Pekerja <i>Employee</i>	12,419.7	7,527.9	4,891.8	10,376.3	6,141.4	4,234.9	2,043.4	1,386.5	656.9
Bekerja sendiri <i>Own account worker</i>	2,375.2	1,665.1	710.1	1,780.9	1,220.3	560.6	594.3	444.8	149.5
Pekerja keluarga tanpa gaji <i>Unpaid family worker</i>	440.3	203.2	237.2	387.4	171.2	216.1	52.9	31.9	21.0
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan <i>Employer</i>	3.7	4.6	2.1	4.1	5.3	2.3	1.5	1.8	0.8
Pekerja <i>Employee</i>	78.5	76.4	82.0	79.3	77.2	82.6	74.8	73.1	78.8
Bekerja sendiri <i>Own account worker</i>	15.0	16.9	11.9	13.6	15.3	10.9	21.8	23.4	17.9
Pekerja keluarga tanpa gaji <i>Unpaid family worker</i>	2.8	2.1	4.0	3.0	2.2	4.2	1.9	1.7	2.5

Jadual A4.20: Penduduk bekerja mengikut taraf pekerjaan dan kumpulan etnik, Malaysia, 2023
Table A4.20: Employed persons by status in employment and ethnic group, Malaysia, 2023

Taraf pekerjaan <i>Status in employment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	15,813.4	13,809.3	9,401.7	3,367.1	955.9	84.7	2,004.0
Majikan <i>Employer</i>	578.2	563.1	260.6	256.8	42.4	3.3	15.0
Pekerja <i>Employee</i>	12,419.7	10,669.2	7,330.7	2,526.5	758.9	53.1	1,750.5
Bekerja sendiri <i>Own account worker</i>	2,375.2	2,155.9	1,582.3	441.0	115.4	17.2	219.3
Pekerja keluarga tanpa gaji <i>Unpaid family worker</i>	440.3	421.1	228.0	142.8	39.2	11.1	19.2
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan <i>Employer</i>	3.7	4.1	2.8	7.6	4.4	3.9	0.7
Pekerja <i>Employee</i>	78.5	77.3	78.0	75.0	79.4	62.7	87.3
Bekerja sendiri <i>Own account worker</i>	15.0	15.6	16.8	13.1	12.1	20.3	10.9
Pekerja keluarga tanpa gaji <i>Unpaid family worker</i>	2.8	3.0	2.4	4.2	4.1	13.1	1.0

Jadual A4.21: Penduduk bekerja mengikut taraf pekerjaan, kumpulan etnik dan jantina, Malaysia, 2023
Table A4.21: Employed persons by status in employment, ethnic group and sex, Malaysia, 2023

Lelaki/Male							
Taraf pekerjaan Status in employment	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	9,849.5	8,260.5	5,722.7	1,933.4	551.0	53.3	1,589.1
Majikan Employer	453.4	440.1	196.3	206.3	34.3	3.1	13.4
Pekerja Employee	7,527.9	6,126.8	4,332.9	1,351.3	413.0	29.5	1,401.1
Bekerja sendiri Own account worker	1,665.1	1,503.2	1,088.6	318.5	83.2	12.9	161.9
Pekerja keluarga tanpa gaji Unpaid family worker	203.2	190.4	104.9	57.3	20.5	7.7	12.7
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	4.6	5.3	3.4	10.7	6.2	5.9	0.8
Pekerja Employee	76.4	74.2	75.7	69.9	75.0	55.3	88.2
Bekerja sendiri Own account worker	16.9	18.2	19.0	16.5	15.1	24.3	10.2
Pekerja keluarga tanpa gaji Unpaid family worker	2.1	2.3	1.8	3.0	3.7	14.5	0.8

Jadual A4.21: Penduduk bekerja mengikut taraf pekerjaan, kumpulan etnik dan jantina, Malaysia, 2023 (samb.)
Table A4.21: Employed persons by status in employment, ethnic group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female							
Taraf pekerjaan Status in employment	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	5,963.8	5,548.9	3,679.0	1,433.7	404.9	31.4	414.9
Majikan Employer	124.7	123.1	64.3	50.6	8.1	0.2	1.7
Pekerja Employee	4,891.8	4,542.4	2,997.8	1,175.1	345.9	23.6	349.4
Bekerja sendiri Own account worker	710.1	652.7	493.7	122.5	32.2	4.2	57.4
Pekerja keluarga tanpa gaji Unpaid family worker	237.2	230.7	123.2	85.5	18.7	3.4	6.5
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	2.1	2.2	1.7	3.5	2.0	0.6	0.4
Pekerja Employee	82.0	81.9	81.5	82.0	85.4	75.2	84.2
Bekerja sendiri Own account worker	11.9	11.8	13.4	8.5	8.0	13.5	13.8
Pekerja keluarga tanpa gaji Unpaid family worker	4.0	4.2	3.3	6.0	4.6	10.7	1.6

Jadual A4.22: Penduduk bekerja mengikut taraf pekerjaan, kumpulan etnik dan strata, Malaysia, 2023
Table A4.22: Employed persons by status in employment, ethnic group and strata, Malaysia, 2023

Bandar/Urban							
Taraf pekerjaan Status in employment	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	13,082.3	11,638.5	7,464.4	3,216.9	903.5	53.8	1,443.8
Majikan Employer	537.7	523.2	230.2	249.6	40.8	2.6	14.5
Pekerja Employee	10,376.3	9,144.7	5,971.1	2,422.2	716.2	35.3	1,231.6
Bekerja sendiri Own account worker	1,780.9	1,599.9	1,077.7	406.2	108.9	7.1	181.0
Pekerja keluarga tanpa gaji Unpaid family worker	387.4	370.7	185.5	138.9	37.5	8.8	16.7
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	4.1	4.5	3.1	7.8	4.5	4.8	1.0
Pekerja Employee	79.3	78.6	80.0	75.3	79.3	65.6	85.3
Bekerja sendiri Own account worker	13.6	13.7	14.4	12.6	12.1	13.3	12.5
Pekerja keluarga tanpa gaji Unpaid family worker	3.0	3.2	2.5	4.3	4.2	16.4	1.2

Jadual A4.22: Penduduk bekerja mengikut taraf pekerjaan, kumpulan etnik dan strata, Malaysia, 2023 (samb.)
Table A4.22: Employed persons by status in employment, ethnic group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural							
Taraf pekerjaan Status in employment	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non- Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	2,731.1	2,170.8	1,937.3	150.2	52.4	30.9	560.3
Majikan Employer	40.5	40.0	30.4	7.2	1.6	0.8	0.5
Pekerja Employee	2,043.4	1,524.5	1,359.7	104.3	42.7	17.8	518.9
Bekerja sendiri Own account worker	594.3	556.0	504.6	34.8	6.5	10.0	38.3
Pekerja keluarga tanpa gaji Unpaid family worker	52.9	50.4	42.6	4.0	1.6	2.3	2.5
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	1.5	1.8	1.6	4.8	3.0	2.5	0.1
Pekerja Employee	74.8	70.2	70.2	69.4	81.5	57.6	92.6
Bekerja sendiri Own account worker	21.8	25.6	26.0	23.1	12.4	32.5	6.8
Pekerja keluarga tanpa gaji Unpaid family worker	1.9	2.3	2.2	2.6	3.1	7.4	0.4

Jadual A4.23: Penduduk bekerja mengikut taraf pekerjaan dan kumpulan umur, Malaysia, 2023
Table A4.23: Employed persons by status in employment and age group, Malaysia, 2023

Taraf pekerjaan Status in employment	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	15,813.4	604.2	1,796.2	2,420.4	2,431.6	2,370.0	2,129.5	1,528.5	1,219.5	868.4	444.9
Majikan Employer	578.2	4.3	14.5	47.6	63.4	85.8	104.8	94.3	79.4	50.2	33.9
Pekerja Employee	12,419.7	507.2	1,457.1	1,967.2	2,013.2	1,927.7	1,690.1	1,158.4	874.9	574.3	249.5
Bekerja sendiri Own account worker	2,375.2	69.9	255.4	311.2	277.5	304.3	299.2	244.2	235.0	224.4	154.0
Pekerja keluarga tanpa gaji Unpaid family worker	440.3	22.9	69.2	94.4	77.5	52.2	35.4	31.6	30.2	19.4	7.6
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	3.7	0.7	0.8	2.0	2.6	3.6	4.9	6.2	6.5	5.8	7.6
Pekerja Employee	78.5	83.9	81.1	81.3	82.8	81.3	79.4	75.8	71.7	66.1	56.1
Bekerja sendiri Own account worker	15.0	11.6	14.2	12.9	11.4	12.8	14.1	16.0	19.3	25.8	34.6
Pekerja keluarga tanpa gaji Unpaid family worker	2.8	3.8	3.9	3.9	3.2	2.2	1.7	2.1	2.5	2.2	1.7

Jadual A4.24: Penduduk bekerja mengikut taraf pekerjaan, kumpulan umur dan jantina, Malaysia, 2023
Table A4.24: Employed persons by status in employment, age group and sex, Malaysia, 2023

Lelaki/Male											
Taraf pekerjaan Status in employment	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	9,849.5	322.9	1,177.3	1,451.9	1,465.5	1,469.4	1,286.1	968.6	789.4	605.4	313.1
Majikan Employer	453.4	1.5	8.7	30.8	45.3	62.9	74.8	82.7	68.9	46.5	31.2
Pekerja Employee	7,527.9	254.7	930.3	1,187.1	1,191.1	1,168.3	1,004.0	700.3	532.7	389.1	170.1
Bekerja sendiri Own account worker	1,665.1	56.3	199.1	200.5	192.5	211.6	190.2	171.9	174.4	160.2	108.3
Pekerja keluarga tanpa gaji Unpaid family worker	203.2	10.3	39.2	33.4	36.6	26.5	17.1	13.7	13.3	9.6	3.5
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	4.6	0.5	0.7	2.1	3.1	4.3	5.8	8.5	8.7	7.7	10.0
Pekerja Employee	76.4	78.9	79.0	81.8	81.3	79.5	78.1	72.3	67.5	64.3	54.3
Bekerja sendiri Own account worker	16.9	17.4	16.9	13.8	13.1	14.4	14.8	17.7	22.1	26.5	34.6
Pekerja keluarga tanpa gaji Unpaid family worker	2.1	3.2	3.3	2.3	2.5	1.8	1.3	1.4	1.7	1.6	1.1

Jadual A4.24: Penduduk bekerja mengikut taraf pekerjaan, kumpulan umur dan jantina, Malaysia, 2023 (samb.)
Table A4.24: Employed persons by status in employment, age group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female											
Taraf pekerjaan Status in employment	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	5,963.8	281.3	618.9	968.5	966.1	900.7	843.4	560.0	430.2	263.1	131.7
Majikan Employer	124.7	2.7	5.8	16.7	18.1	22.9	30.0	11.6	10.5	3.7	2.6
Pekerja Employee	4,891.8	252.5	526.7	780.2	822.1	759.4	686.1	458.1	342.2	185.2	79.3
Bekerja sendiri Own account worker	710.1	13.5	56.3	110.7	85.0	92.7	109.0	72.3	60.6	64.3	45.7
Pekerja keluarga tanpa gaji Unpaid family worker	237.2	12.6	30.1	60.9	40.9	25.7	18.3	17.9	16.9	9.8	4.1
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	2.1	1.0	0.9	1.7	1.9	2.5	3.6	2.1	2.4	1.4	2.0
Pekerja Employee	82.0	89.8	85.1	80.6	85.1	84.3	81.3	81.8	79.6	70.4	60.2
Bekerja sendiri Own account worker	11.9	4.8	9.1	11.4	8.8	10.3	12.9	12.9	14.1	24.4	34.7
Pekerja keluarga tanpa gaji Unpaid family worker	4.0	4.5	4.9	6.3	4.2	2.9	2.2	3.2	3.9	3.7	3.1

Jadual A4.25: Penduduk bekerja mengikut taraf pekerjaan, kumpulan umur dan strata, Malaysia, 2023
Table A4.25: Employed persons by status in employment, age group and strata, Malaysia, 2023

Bandar/Urban											
Taraf pekerjaan <i>Status in employment</i>	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) <i>Total</i>	13,082.3	520.1	1,417.0	1,991.8	2,033.6	1,985.4	1,814.9	1,278.6	1,008.9	686.0	346.0
Majikan <i>Employer</i>	537.7	4.3	13.4	42.7	58.5	80.6	99.0	88.9	74.6	45.1	30.6
Pekerja <i>Employee</i>	10,376.3	437.4	1,132.9	1,612.4	1,691.3	1,628.5	1,456.8	989.9	744.1	472.9	210.1
Bekerja sendiri <i>Own account worker</i>	1,780.9	58.7	211.9	250.6	212.4	230.6	229.3	172.6	163.6	151.6	99.6
Pekerja keluarga tanpa gaji <i>Unpaid family worker</i>	387.4	19.7	58.9	86.1	71.4	45.7	29.8	27.1	26.5	16.4	5.7
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan <i>Employer</i>	4.1	0.8	0.9	2.1	2.9	4.1	5.5	7.0	7.4	6.6	8.9
Pekerja <i>Employee</i>	79.3	84.1	79.9	81.0	83.2	82.0	80.3	77.4	73.8	68.9	60.7
Bekerja sendiri <i>Own account worker</i>	13.6	11.3	15.0	12.6	10.4	11.6	12.6	13.5	16.2	22.1	28.8
Pekerja keluarga tanpa gaji <i>Unpaid family worker</i>	3.0	3.8	4.2	4.3	3.5	2.3	1.6	2.1	2.6	2.4	1.7

Jadual A4.25: Penduduk bekerja mengikut taraf pekerjaan, kumpulan umur dan strata, Malaysia, 2023 (samb.)
Table A4.25: Employed persons by status in employment, age group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural											
Taraf pekerjaan Status in employment	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	2,731.1	84.2	379.2	428.6	397.9	384.6	314.6	250.0	210.7	182.4	98.8
Majikan Employer	40.4	0.0	1.2	4.9	4.9	5.3	5.8	5.4	4.8	5.1	3.2
Pekerja Employee	2,043.4	69.8	324.2	354.9	321.9	299.2	233.4	168.5	130.8	101.4	39.4
Bekerja sendiri Own account worker	594.3	11.2	43.5	60.6	65.1	73.7	69.9	71.6	71.4	72.9	54.4
Pekerja keluarga tanpa gaji Unpaid family worker	52.9	3.3	10.4	8.2	6.0	6.5	5.6	4.4	3.7	3.0	1.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	1.5	0.0	0.3	1.1	1.2	1.4	1.8	2.2	2.3	2.8	3.2
Pekerja Employee	74.8	82.9	85.5	82.8	80.9	77.8	74.2	67.4	62.1	55.6	39.9
Bekerja sendiri Own account worker	21.8	13.3	11.5	14.1	16.4	19.2	22.2	28.7	33.9	40.0	55.0
Pekerja keluarga tanpa gaji Unpaid family worker	1.9	3.9	2.7	1.9	1.5	1.7	1.8	1.8	1.7	1.6	1.9

Jadual A4.26: Penduduk bekerja mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2023
Table A4.26: Employed persons by educational attainment, strata and sex, Malaysia, 2023

Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) <i>Total</i>	15,813.4	9,849.5	5,963.8	13,082.3	7,952.3	5,129.9	2,731.1	1,897.2	833.9
Tiada pendidikan rasmi <i>No formal education</i>	378.2	253.4	124.7	246.8	161.1	85.6	131.4	92.3	39.1
Rendah <i>Primary</i>	1,268.1	911.1	357.0	766.4	537.3	229.1	501.7	373.8	127.9
Menengah <i>Secondary</i>	8,558.0	5,678.5	2,879.5	7,002.9	4,549.9	2,453.0	1,555.1	1,128.6	426.5
Tertiari <i>Tertiary</i>	5,609.1	3,006.5	2,602.6	5,066.1	2,704.0	2,362.2	542.9	302.6	240.4
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi <i>No formal education</i>	2.4	2.6	2.1	1.9	2.0	1.7	4.8	4.9	4.7
Rendah <i>Primary</i>	8.0	9.3	6.0	5.9	6.8	4.5	18.4	19.7	15.3
Menengah <i>Secondary</i>	54.1	57.7	48.3	53.5	57.2	47.8	56.9	59.5	51.2
Tertiari <i>Tertiary</i>	35.5	30.5	43.6	38.7	34.0	46.0	19.9	15.9	28.8

Jadual A4.27: Penduduk bekerja mengikut pencapaian pendidikan dan kumpulan etnik, Malaysia, 2023
Table A4.27: Employed persons by educational attainment and ethnic group, Malaysia, 2023

Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	15,813.4	13,809.3	9,401.7	3,367.1	955.9	84.7	2,004.0
Tiada pendidikan rasmi <i>No formal education</i>	378.2	124.2	103.1	13.8	4.4	2.8	254.0
Rendah <i>Primary</i>	1,268.1	630.0	414.3	150.0	53.2	12.5	638.1
Menengah <i>Secondary</i>	8,558.0	7,604.2	5,268.0	1,750.5	535.9	49.8	953.8
Tertiari <i>Tertiary</i>	5,609.1	5,450.9	3,616.3	1,452.7	362.3	19.6	158.2
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi <i>No formal education</i>	2.4	0.9	1.1	0.4	0.5	3.3	12.7
Rendah <i>Primary</i>	8.0	4.6	4.4	4.5	5.6	14.7	31.8
Menengah <i>Secondary</i>	54.1	55.1	56.0	52.0	56.1	58.8	47.6
Tertiari <i>Tertiary</i>	35.5	39.5	38.5	43.1	37.9	23.2	7.9

Jadual A4.28: Penduduk bekerja mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2023
Table A4.28: Employed persons by educational attainment, ethnic group and sex, Malaysia, 2023

Lelaki/Male							
Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	9,849.5	8,260.5	5,722.7	1,933.4	551.0	53.3	1,589.1
Tiada pendidikan rasmi <i>No formal education</i>	253.4	80.3	68.7	7.8	2.5	1.3	173.2
Rendah <i>Primary</i>	911.1	422.3	286.9	93.8	33.9	7.7	488.8
Menengah <i>Secondary</i>	5,678.5	4,884.7	3,484.3	1,040.0	328.7	31.8	793.7
Tertiari <i>Tertiary</i>	3,006.5	2,873.2	1,882.8	791.8	185.9	12.5	133.4
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi <i>No formal education</i>	2.6	1.0	1.2	0.4	0.4	2.5	10.9
Rendah <i>Primary</i>	9.3	5.1	5.0	4.8	6.2	14.5	30.8
Menengah <i>Secondary</i>	57.7	59.1	60.9	53.8	59.6	59.6	49.9
Tertiari <i>Tertiary</i>	30.5	34.8	32.9	41.0	33.7	23.5	8.4

Jadual A4.28: Penduduk bekerja mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2023 (samb.)
Table A4.28: Employed persons by educational attainment, ethnic group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female							
Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non- Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	5,963.8	5,548.9	3,679.0	1,433.7	404.9	31.4	414.9
Tiada pendidikan rasmi <i>No formal education</i>	124.7	43.9	34.4	6.0	1.9	1.5	80.8
Rendah <i>Primary</i>	357.0	207.7	127.4	56.2	19.3	4.8	149.3
Menengah <i>Secondary</i>	2,879.5	2,719.5	1,783.7	710.5	207.2	18.0	160.1
Tertiari <i>Tertiary</i>	2,602.6	2,577.8	1,733.4	660.9	176.4	7.1	24.8
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi <i>No formal education</i>	2.1	0.8	0.9	0.4	0.5	4.7	19.5
Rendah <i>Primary</i>	6.0	3.7	3.5	3.9	4.8	15.2	36.0
Menengah <i>Secondary</i>	48.3	49.0	48.5	49.6	51.2	57.5	38.6
Tertiari <i>Tertiary</i>	43.6	46.5	47.1	46.1	43.6	22.6	6.0

Jadual A4.29: Penduduk bekerja mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2023
Table A4.29: Employed persons by educational attainment, ethnic group and strata, Malaysia, 2023

Bandar/Urban							
Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	13,082.3	11,638.5	7,464.4	3,216.9	903.5	53.8	1,443.8
Tiada pendidikan rasmi <i>No formal education</i>	246.8	63.1	44.9	12.6	4.0	1.6	183.6
Rendah <i>Primary</i>	766.4	376.3	193.8	131.0	45.1	6.3	390.2
Menengah <i>Secondary</i>	7,002.9	6,276.6	4,093.6	1,649.9	501.9	31.2	726.3
Tertiari <i>Tertiary</i>	5,066.1	4,922.5	3,132.1	1,423.4	352.5	14.6	143.7
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi <i>No formal education</i>	1.9	0.5	0.6	0.4	0.4	3.1	12.7
Rendah <i>Primary</i>	5.9	3.2	2.6	4.1	5.0	11.8	27.0
Menengah <i>Secondary</i>	53.5	53.9	54.8	51.3	55.6	58.1	50.3
Tertiari <i>Tertiary</i>	38.7	42.3	42.0	44.2	39.0	27.1	10.0

Jadual A4.29: Penduduk bekerja mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2023 (samb.)

Table A4.29: Employed persons by educational attainment, ethnic group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural							
Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	2,731.1	2,170.8	1,937.3	150.2	52.4	30.9	560.3
Tiada pendidikan rasmi <i>No formal education</i>	131.4	61.1	58.2	1.3	0.4	1.2	70.3
Rendah <i>Primary</i>	501.7	253.7	220.5	19.0	8.2	6.1	247.9
Menengah <i>Secondary</i>	1,555.1	1,327.6	1,174.4	100.6	34.0	18.5	227.5
Tertiari <i>Tertiary</i>	542.9	528.4	484.2	29.4	9.8	5.1	14.5
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi <i>No formal education</i>	4.8	2.8	3.0	0.9	0.8	3.7	12.6
Rendah <i>Primary</i>	18.4	11.7	11.4	12.6	15.6	19.9	44.3
Menengah <i>Secondary</i>	56.9	61.2	60.6	67.0	64.9	60.0	40.6
Tertiari <i>Tertiary</i>	19.9	24.3	25.0	19.5	18.7	16.4	2.6

Jadual A4.30: Penduduk bekerja mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2023
Table A4.30: Employed persons by highest certificate obtained, strata and sex, Malaysia, 2023

Sijil tertinggi diperoleh Highest certificate obtained	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total	15,813.4	9,849.5	5,963.8	13,082.3	7,952.3	5,129.9	2,731.1	1,897.2	833.9
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	1,110.7	775.3	335.4	739.3	495.0	244.2	371.4	280.3	91.1
PT3/PMR/SRP/LCE/SRA atau yang setaraf PT3/PMR/SRP/LCE/SRA or equivalent	1,464.7	1,029.3	435.4	1,083.2	737.0	346.2	381.6	292.3	89.2
SPM atau yang setaraf SPM or equivalent	6,899.5	4,509.3	2,390.3	5,778.9	3,715.9	2,063.0	1,120.6	793.3	327.3
STPM atau yang setaraf STPM or equivalent	532.3	298.1	234.1	443.6	250.8	192.8	88.6	47.3	41.3
Sijil Certificate	334.3	236.6	97.7	276.8	193.0	83.8	57.5	43.6	13.9
Diploma	1,774.9	934.1	840.8	1,597.2	832.2	765.1	177.7	101.9	75.8
Ijazah Degree	2,851.1	1,484.5	1,366.6	2,645.6	1,383.3	1,262.3	205.5	101.2	104.3
Tiada sijil No certificate	474.8	334.1	140.7	272.5	185.1	87.5	202.3	149.0	53.3
Tidak berkenaan Not applicable	371.0	248.3	122.8	245.1	160.0	85.1	126.0	88.3	37.7
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	7.0	7.9	5.6	5.6	6.2	4.8	13.6	14.8	10.9
PT3/PMR/SRP/LCE/SRA atau yang setaraf PT3/PMR/SRP/LCE/SRA or equivalent	9.3	10.5	7.3	8.3	9.3	6.7	14.0	15.4	10.7
SPM atau yang setaraf SPM or equivalent	43.6	45.8	40.1	44.2	46.7	40.2	41.0	41.8	39.2
STPM atau yang setaraf STPM or equivalent	3.4	3.0	3.9	3.4	3.2	3.8	3.2	2.5	5.0
Sijil Certificate	2.1	2.4	1.6	2.1	2.4	1.6	2.1	2.3	1.7
Diploma	11.2	9.5	14.1	12.2	10.5	14.9	6.5	5.4	9.1
Ijazah Degree	18.0	15.1	22.9	20.2	17.4	24.6	7.5	5.3	12.5
Tiada sijil No certificate	3.0	3.4	2.4	2.1	2.3	1.7	7.4	7.9	6.4
Tidak berkenaan Not applicable	2.3	2.5	2.1	1.9	2.0	1.7	4.6	4.7	4.5

Jadual A4.31: Penduduk bekerja mengikut sijil tertinggi diperoleh dan kumpulan etnik, Malaysia, 2023

Table A4.31: Employed persons by highest certificate obtained and ethnic group, Malaysia, 2023

Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	15,813.4	13,809.3	9,401.7	3,367.1	955.9	84.7	2,004.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	1,110.7	705.0	428.2	204.8	62.1	9.9	405.7
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	1,464.7	1,074.6	689.0	274.7	99.4	11.4	390.2
SPM atau yang setaraf <i>SPM or equivalent</i>	6,899.5	6,383.0	4,502.9	1,424.9	417.5	37.7	516.5
STPM atau yang setaraf <i>STPM or equivalent</i>	532.3	512.7	352.7	127.2	28.5	4.2	19.5
Sijil <i>Certificate</i>	334.3	327.1	275.8	36.8	13.3	1.2	7.2
Diploma	1,774.9	1,742.0	1,219.1	409.9	107.0	6.0	32.9
Ijazah <i>Degree</i>	2,851.1	2,753.5	1,704.9	837.9	204.0	6.7	97.7
Tiada sijil <i>No certificate</i>	474.8	188.5	127.1	37.1	19.6	4.7	286.3
Tidak berkenaan <i>Not applicable</i>	371.0	122.9	102.0	13.8	4.4	2.8	248.1
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	7.0	5.1	4.6	6.1	6.5	11.7	20.2
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	9.3	7.8	7.3	8.2	10.4	13.5	19.5
SPM atau yang setaraf <i>SPM or equivalent</i>	43.6	46.2	47.9	42.3	43.7	44.5	25.8
STPM atau yang setaraf <i>STPM or equivalent</i>	3.4	3.7	3.8	3.8	3.0	5.0	1.0
Sijil <i>Certificate</i>	2.1	2.4	2.9	1.1	1.4	1.4	0.4
Diploma	11.2	12.6	13.0	12.2	11.2	7.1	1.6
Ijazah <i>Degree</i>	18.0	19.9	18.1	24.9	21.3	7.9	4.9
Tiada sijil <i>No certificate</i>	3.0	1.4	1.4	1.1	2.0	5.6	14.3
Tidak berkenaan <i>Not applicable</i>	2.3	0.9	1.1	0.4	0.5	3.3	12.4

Jadual A4.32: Penduduk bekerja mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2023

Table A4.32: Employed persons by highest certificate obtained, ethnic group and sex, Malaysia, 2023

Lelaki/Male							
Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	9,849.5	8,260.5	5,722.7	1,933.4	551.0	53.3	1,589.1
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	775.3	455.7	285.8	123.7	39.7	6.4	319.7
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	1,029.3	705.0	471.8	170.6	55.2	7.4	324.3
SPM atau yang setaraf <i>SPM or equivalent</i>	4,509.3	4,076.3	2,974.0	821.2	257.1	24.0	432.9
STPM atau yang setaraf <i>STPM or equivalent</i>	298.1	284.5	192.8	74.6	14.6	2.4	13.6
Sijil <i>Certificate</i>	236.6	230.6	197.5	24.5	7.7	0.9	6.0
Diploma	934.1	907.8	626.3	223.5	54.0	4.0	26.4
Ijazah <i>Degree</i>	1,484.5	1,397.5	821.9	462.8	108.3	4.6	87.0
Tiada sijil <i>No certificate</i>	334.1	123.9	85.0	24.7	11.9	2.3	210.2
Tidak berkenaan <i>Not applicable</i>	248.3	79.3	67.7	7.8	2.5	1.3	169.0
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	7.9	5.5	5.0	6.4	7.2	12.1	20.1
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	10.5	8.5	8.2	8.8	10.0	13.8	20.4
SPM atau yang setaraf <i>SPM or equivalent</i>	45.8	49.3	52.0	42.5	46.7	45.0	27.2
STPM atau yang setaraf <i>STPM or equivalent</i>	3.0	3.4	3.4	3.9	2.7	4.5	0.9
Sijil <i>Certificate</i>	2.4	2.8	3.5	1.3	1.4	1.6	0.4
Diploma	9.5	11.0	10.9	11.6	9.8	7.6	1.7
Ijazah <i>Degree</i>	15.1	16.9	14.4	23.9	19.7	8.5	5.5
Tiada sijil <i>No certificate</i>	3.4	1.5	1.5	1.3	2.2	4.3	13.2
Tidak berkenaan <i>Not applicable</i>	2.5	1.0	1.2	0.4	0.4	2.5	10.6

Jadual A4.32: Penduduk bekerja mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2023 (samb.)
Table A4.32: Employed persons by highest certificate obtained, ethnic group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female							
Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	5,963.8	5,548.9	3,679.0	1,433.7	404.9	31.4	414.9
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	335.4	249.3	142.4	81.1	22.4	3.5	86.0
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	435.4	369.5	217.2	104.1	44.2	4.0	65.9
SPM atau yang setaraf <i>SPM or equivalent</i>	2,390.3	2,306.7	1,528.9	603.6	160.5	13.7	83.6
STPM atau yang setaraf <i>STPM or equivalent</i>	234.1	228.2	159.9	52.6	13.9	1.8	5.9
Sijil <i>Certificate</i>	97.7	96.5	78.3	12.3	5.5	0.3	1.2
Diploma	840.8	834.3	592.8	186.5	53.0	2.0	6.5
Ijazah <i>Degree</i>	1,366.6	1,356.0	883.0	375.1	95.7	2.1	10.6
Tiada sijil <i>No certificate</i>	140.7	64.7	42.1	12.4	7.7	2.5	76.1
Tidak berkenaan <i>Not applicable</i>	122.8	43.6	34.2	6.0	1.9	1.5	79.1
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	5.6	4.5	3.9	5.7	5.5	11.1	20.7
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	7.3	6.7	5.9	7.3	10.9	12.8	15.9
SPM atau yang setaraf <i>SPM or equivalent</i>	40.1	41.6	41.6	42.1	39.6	43.6	20.1
STPM atau yang setaraf <i>STPM or equivalent</i>	3.9	4.1	4.3	3.7	3.4	5.8	1.4
Sijil <i>Certificate</i>	1.6	1.7	2.1	0.9	1.4	1.0	0.3
Diploma	14.1	15.0	16.1	13.0	13.1	6.3	1.6
Ijazah <i>Degree</i>	22.9	24.4	24.0	26.2	23.6	6.7	2.6
Tiada sijil <i>No certificate</i>	2.4	1.2	1.1	0.9	1.9	7.8	18.3
Tidak berkenaan <i>Not applicable</i>	2.1	0.8	0.9	0.4	0.5	4.7	19.1

Jadual A4.33: Penduduk bekerja mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2023
Table A4.33: Employed persons by highest certificate obtained, ethnic group and strata, Malaysia, 2023

Bandar/Urban		Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non-Malaysian citizens
Sijil tertinggi diperoleh Highest certificate obtained	Jumlah Total	Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total	13,082.3	11,638.5	7,464.4	3,216.9	903.5	53.8	1,443.8
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	739.3	472.0	228.6	183.0	54.9	5.6	267.3
PT3/PMR/SRP/LCE/ SRA atau yang setaraf PT3/PMR/SRP/LCE/ SRA or equivalent	1,083.2	802.4	452.9	250.8	92.7	6.0	280.8
SPM atau yang setaraf SPM or equivalent	5,778.9	5,371.1	3,600.3	1,353.5	392.3	25.1	407.8
STPM atau yang setaraf STPM or equivalent	443.6	431.2	278.3	123.1	27.1	2.8	12.4
Sijil Certificate	276.8	270.3	221.9	35.1	12.7	0.6	6.6
Diploma	1,597.2	1,567.5	1,057.7	401.2	103.8	4.8	29.7
Ijazah Degree	2,645.6	2,551.4	1,522.4	824.2	199.7	5.1	94.3
Tiada sijil No certificate	272.5	110.4	58.3	33.6	16.4	2.1	162.1
Tidak berkenaan Not applicable	245.1	62.2	44.1	12.5	4.0	1.6	182.9
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	5.7	4.1	3.1	5.7	6.1	10.4	18.5
PT3/PMR/SRP/LCE/ SRA atau yang setaraf PT3/PMR/SRP/LCE/ SRA or equivalent	8.3	6.9	6.1	7.8	10.3	11.2	19.4
SPM atau yang setaraf SPM or equivalent	44.2	46.1	48.2	42.1	43.4	46.7	28.2
STPM atau yang setaraf STPM or equivalent	3.4	3.7	3.7	3.8	3.0	5.2	0.9
Sijil Certificate	2.1	2.3	3.0	1.1	1.4	1.1	0.5
Diploma	12.2	13.5	14.2	12.5	11.5	9.0	2.1
Ijazah Degree	20.2	21.9	20.4	25.6	22.1	9.4	6.5
Tiada sijil No certificate	2.1	0.9	0.8	1.0	1.8	4.0	11.2
Tidak berkenaan Not applicable	1.9	0.5	0.6	0.4	0.4	3.1	12.7

Jadual A4.33: Penduduk bekerja mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2023 (samb.)
Table A4.33: Employed persons by highest certificate obtained, ethnic group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural							
Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	2,731.1	2,170.8	1,937.3	150.2	52.4	30.9	560.3
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	371.4	233.0	199.6	21.8	7.2	4.4	138.4
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	381.6	272.2	236.2	23.9	6.7	5.4	109.4
SPM atau yang setaraf <i>SPM or equivalent</i>	1,120.6	1,011.9	902.7	71.4	25.2	12.6	108.7
STPM atau yang setaraf <i>STPM or equivalent</i>	88.6	81.5	74.4	4.2	1.5	1.4	7.2
Sijil <i>Certificate</i>	57.5	56.8	54.0	1.7	0.6	0.6	0.7
Diploma	177.7	174.5	161.4	8.7	3.2	1.2	3.2
Ijazah <i>Degree</i>	205.5	202.1	182.5	13.7	4.3	1.6	3.4
Tiada sijil <i>No certificate</i>	202.3	78.1	68.8	3.5	3.2	2.6	124.1
Tidak berkenaan <i>Not applicable</i>	126.0	60.7	57.9	1.3	0.4	1.2	65.2
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	13.6	10.7	10.3	14.5	13.8	14.1	24.7
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	14.0	12.5	12.2	15.9	12.8	17.4	19.5
SPM atau yang setaraf <i>SPM or equivalent</i>	41.0	46.6	46.6	47.5	48.1	40.8	19.4
STPM atau yang setaraf <i>STPM or equivalent</i>	3.2	3.8	3.8	2.8	2.8	4.6	1.3
Sijil <i>Certificate</i>	2.1	2.6	2.8	1.1	1.1	1.9	0.1
Diploma	6.5	8.0	8.3	5.8	6.1	3.9	0.6
Ijazah <i>Degree</i>	7.5	9.3	9.4	9.1	8.3	5.2	0.6
Tiada sijil <i>No certificate</i>	7.4	3.6	3.5	2.4	6.1	8.5	22.2
Tidak berkenaan <i>Not applicable</i>	4.6	2.8	3.0	0.9	0.8	3.7	11.6

Jadual A4.34: Min dan median jam bekerja mengikut kumpulan umur dan jantina, Malaysia, 2023
Table A4.34: Mean and median hours worked by age group and sex, Malaysia, 2023

Kumpulan Umur Age Group	Min Mean			Median Median		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah Total	44.8	45.7	43.3	48.0	48.0	45.0
15 - 19	44.2	44.6	43.8	48.0	48.0	45.0
20 - 24	45.6	46.0	44.7	48.0	48.0	48.0
25 - 29	45.8	46.7	44.3	48.0	48.0	45.0
30 - 34	45.1	46.3	43.2	48.0	48.0	45.0
35 - 39	44.8	45.8	43.2	48.0	48.0	44.0
40 - 44	44.7	45.7	43.2	45.0	48.0	42.0
45 - 49	44.3	45.5	42.4	45.0	48.0	40.0
50 - 54	43.8	44.9	41.8	45.0	48.0	40.0
55 - 59	43.4	44.1	41.5	45.0	45.0	40.0
60 - 64	42.3	42.8	41.1	40.0	44.0	40.0

Jadual A4.35: Min dan median jam bekerja mengikut pekerjaan dan jantina, Malaysia, 2023
Table A4.35: Mean and median hours worked by occupation and sex, Malaysia, 2023

Pekerjaan Occupation	Min Mean			Median Median		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total	44.8	45.7	43.3	48.0	48.0	45.0
Pengurus Managers	45.7	46.1	44.7	48.0	48.0	45.0
Profesional Professionals	42.9	44.1	41.6	40.0	45.0	40.0
Juruteknik dan profesional bersekutu Technicians and associate professionals	45.2	45.8	43.9	48.0	48.0	45.0
Pekerja sokongan perkeranian Clerical support workers	44.6	45.5	44.2	45.0	48.0	45.0
Pekerja perkhidmatan dan jualan Service and sales workers	44.7	46.3	43.2	48.0	48.0	45.0
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	40.1	41.0	36.2	40.0	40.0	36.0
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	44.3	45.6	39.4	48.0	48.0	40.0
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	47.8	48.0	47.0	48.0	48.0	48.0
Pekerja asas Elementary occupations	45.8	45.8	45.7	48.0	48.0	48.0

Jadual A4.36: Min dan median jam bekerja mengikut industri dan jantina, Malaysia, 2023
Table A4.36: Mean and median hours worked by industry and sex, Malaysia, 2023

Industri Industry	Min Mean			Median Median		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ¹ Total	44.8	45.7	43.3	48.0	48.0	45.0
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	42.6	43.2	39.3	45.0	48.0	40.0
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	45.7	46.1	44.8	48.0	48.0	48.0
Pembuatan <i>Manufacturing</i>	46.4	47.6	44.0	48.0	48.0	45.0
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	46.4	46.5	45.5	48.0	48.0	48.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	45.4	45.6	44.8	48.0	48.0	48.0
Pembinaan <i>Construction</i>	45.9	46.1	44.6	48.0	48.0	48.0
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	45.2	46.3	43.7	48.0	48.0	48.0
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	46.7	47.4	44.0	48.0	48.0	45.0
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	44.5	45.7	43.2	48.0	48.0	45.0
Maklumat dan komunikasi <i>Information and communication</i>	44.9	45.1	44.3	45.0	48.0	45.0
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	44.7	45.1	44.3	45.0	45.0	45.0
Aktiviti hartanah <i>Real estate activities</i>	44.3	44.7	43.6	45.0	48.0	42.0
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	45.3	45.7	44.9	48.0	48.0	45.0
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	46.4	47.8	44.0	48.0	48.0	45.0
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	42.3	42.7	41.5	40.0	40.0	40.0
Pendidikan <i>Education</i>	40.5	41.5	39.9	40.0	40.0	40.0
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	43.5	44.5	42.9	40.0	45.0	40.0
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	43.7	44.0	43.5	45.0	48.0	45.0
Aktiviti perkhidmatan lain <i>Other service activities</i>	43.6	43.5	43.8	45.0	45.0	45.0
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	53.6	46.9	54.0	48.0	45.0	48.0

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual A4.37: Min dan median jam bekerja mengikut taraf pekerjaan dan jantina, Malaysia, 2023
Table A4.37: Mean and median hours worked by status in employment and sex, Malaysia, 2023

Taraf pekerjaan Status in employment	Min Mean			Median Median		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total	44.8	45.7	43.3	48.0	48.0	45.0
Majikan Employer	45.8	46.1	44.9	48.0	48.0	45.0
Pekerja Employee	45.3	46.3	43.7	48.0	48.0	45.0
Bekerja sendiri Own account worker	42.0	42.9	40.0	40.0	42.0	40.0
Pekerja keluarga tanpa gaji Unpaid family worker	43.7	45.3	42.3	48.0	48.0	42.0

Jadual A4.38: Penduduk bekerja kurang dari 30 jam dan sektor, Malaysia, 2023
Table A4.38: Employed persons working less than 30 hours and sector, Malaysia, 2023

Sebab bekerja kurang dari 30 jam <i>Reason for working less than 30 hours</i>	Jumlah <i>Total</i>	Pertanian <i>Agriculture</i>	Pelombongan dan Pengkuarian <i>Mining & quarrying</i>	Pembuatan <i>Manufacturing</i>	Pembinaan <i>Construction</i>	Perkhidmatan <i>Services</i>
Jumlah ('000) Total	226.3	24.8	0.5	30.1	10.6	160.3
Kerja tidak mencukupi/ memang keadaan kerja begitu <i>Insufficient work/nature of the job</i>	164.1	13.5	0.3	22.4	7.9	120.1
Bersara/lanjut usia <i>Retired/old age</i>	3.4	0.9	-	0.3	0.2	2.1
Kerja rumah/ tanggungjawab keluarga <i>Housework/family responsibilities</i>	15.2	4.2	-	3.1	0.3	7.6
Cuti <i>Leave</i>	36.6	1.8	0.2	3.9	1.6	29.1
Sakit/cedera <i>Illness/injury</i>	1.3	0.3	-	-	0.3	0.7
Keadaan cuaca <i>Weather condition</i>	5.7	4.2	-	0.5	0.3	0.7
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0
Kerja tidak mencukupi/ memang keadaan kerja begitu <i>Insufficient work/nature of the job</i>	72.5	54.4	62.1	74.3	74.1	74.9
Bersara/lanjut usia <i>Retired/old age</i>	1.5	3.4	-	1.0	2.2	1.3
Kerja rumah/ tanggungjawab keluarga <i>Housework/family responsibilities</i>	6.7	16.9	-	10.3	2.7	4.7
Cuti <i>Leave</i>	16.2	7.4	37.9	12.8	15.2	18.2
Sakit/cedera <i>Illness/injury</i>	0.6	1.1	-	0.0	2.6	0.5
Keadaan cuaca <i>Weather condition</i>	2.5	16.9	-	1.6	3.2	0.4

Jadual A4.39: Penduduk bekerja mengikut sebab bekerja kurang dari 30 jam dan jantina, Malaysia, 2023
Table A4.39: Employed persons by reasons for working less than 30 hours and sex, Malaysia, 2023

Sebab bekerja kurang dari 30 jam <i>Reason for working less than 30 hours</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) Total	226.3	91.8	134.5
Kerja tidak mencukupi/ memang keadaan kerja begitu <i>Insufficient work/nature of the job</i>	164.1	70.0	94.0
Sanggup menerima tambahan kerja <i>Willing to accept additional work</i>	137.5	61.6	75.9
Tidak sanggup menerima tambahan kerja <i>Unwilling to accept additional work</i>	26.5	8.4	18.1
Bersara/lanjut usia <i>Retired/old age</i>	3.4	2.4	1.0
Kerja rumah/ tanggungjawab keluarga <i>Housework/family responsibilities</i>	15.2	0.9	14.3
Cuti <i>Leave</i>	36.6	13.1	23.5
Sakit/cedera <i>Illness/injury</i>	1.3	1.0	0.3
Keadaan cuaca <i>Weather condition</i>	5.7	4.4	1.3
Jumlah (%) Total	100.0	100.0	100.0
Kerja tidak mencukupi/ memang keadaan kerja begitu <i>Insufficient work/nature of the job</i>	72.5	76.3	69.9
Sanggup menerima tambahan kerja <i>Willing to accept additional work</i>	83.8	88.0	80.7
Tidak sanggup menerima tambahan kerja <i>Unwilling to accept additional work</i>	16.2	12.0	19.3
Bersara/lanjut usia <i>Retired/old age</i>	1.5	2.6	0.8
Kerja rumah/ tanggungjawab keluarga <i>Housework/family responsibilities</i>	6.7	1.0	10.6
Cuti <i>Leave</i>	16.2	14.3	17.5
Sakit/cedera <i>Illness/injury</i>	0.6	1.1	0.2
Keadaan cuaca <i>Weather condition</i>	2.5	4.8	1.0

Jadual A5.1: Kadar pengangguran mengikut kumpulan umur, strata dan jantina, Malaysia, 2023
Table A5.1: Unemployment rate by age group, strata and sex, Malaysia, 2023

Kumpulan Umur Age Group	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah (%) Total	3.4	3.3	3.5	3.1	3.2	4.0	4.6	3.1	5.8
15 - 19	15.1	19.1	9.9	14.0	19.0	19.7	21.0	8.2	23.6
20 - 24	9.6	8.2	12.0	8.6	7.3	11.2	12.9	10.9	16.1
25 - 29	3.2	2.9	3.6	2.8	2.6	4.0	4.8	3.1	6.6
30 - 34	2.1	2.2	1.9	2.1	2.4	1.8	2.2	1.8	3.1
35 - 39	1.3	1.2	1.6	1.2	1.1	1.9	1.9	1.5	1.9
40 - 44	1.2	1.1	1.4	1.1	1.0	1.5	1.6	1.3	2.0
45 - 49	1.4	1.0	1.9	1.5	1.1	0.8	0.8	2.1	0.8
50 - 54	1.2	1.6	0.5	1.2	1.7	1.3	1.1	0.4	0.9
55 - 59	1.3	1.6	0.7	1.4	1.8	1.0	0.9	0.7	0.7
60 - 64	4.0	4.8	2.2	4.5	5.3	3.0	2.5	2.6	0.8

Jadual A5.2: Kadar pengangguran mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2023
Table A5.2: Unemployment rate by age group and ethnic group, Malaysia, 2023

Kumpulan Umur <i>Age Group</i>	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia <i>Non- Malaysian citizens</i>
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah (%) <i>Total</i>	3.4	3.4	3.6	2.4	4.0	5.0	3.4
15 - 19	15.1	15.8	16.6	14.6	10.8	32.5	10.5
20 - 24	9.6	10.4	10.9	6.9	14.1	10.3	5.5
25 - 29	3.2	3.3	3.5	2.4	3.3	3.3	2.6
30 - 34	2.1	1.8	1.9	1.2	2.5	4.5	3.9
35 - 39	1.3	1.3	1.4	1.0	1.8	-	1.4
40 - 44	1.2	1.2	1.1	1.3	2.1	1.8	0.6
45 - 49	1.4	1.4	1.5	1.2	1.2	-	1.2
50 - 54	1.2	1.2	0.9	0.6	5.8	-	1.7
55 - 59	1.3	1.2	1.3	1.0	1.2	1.4	5.1
60 - 64	4.0	3.6	3.4	3.9	2.8	5.9	13.0

Jadual A5.3: Kadar pengangguran mengikut kumpulan etnik, strata dan jantina, Malaysia, 2023
Table A5.3: Unemployment rate by ethnic group, strata and sex, Malaysia, 2023

Kumpulan Umur Age Group	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah (%) Total	3.4	3.3	3.5	3.1	3.2	3.1	4.6	4.0	5.8
Warganegara Malaysia Malaysian citizens	3.4	3.4	3.4	3.0	3.1	2.9	5.1	4.6	6.3
Bumiputera	3.6	3.4	3.9	3.2	3.1	3.3	5.3	4.7	6.5
Cina Chinese	2.4	2.8	1.9	2.4	2.9	1.8	2.9	2.3	4.2
India Indians	4.0	4.3	3.7	3.9	4.2	3.6	5.9	5.5	6.8
Lain-lain Others	5.0	6.6	2.2	6.6	8.4	2.6	2.2	2.6	1.6
Bukan warganegara Malaysia Non-Malaysian citizens	3.4	3.0	4.6	3.8	3.4	5.2	2.2	2.2	2.0

Jadual A5.4: Kadar pengangguran mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2023
Table A5.4: Unemployment rate by educational attainment, strata and sex, Malaysia, 2023

Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah (%) <i>Total</i>	3.4	3.3	3.5	3.1	3.2	3.1	4.6	4.0	5.8
Tiada pendidikan rasmi <i>No formal education</i>	7.2	7.1	7.3	8.8	8.3	9.7	3.9	4.8	1.8
Rendah <i>Primary</i>	3.7	3.1	5.1	4.5	3.7	6.3	2.3	2.2	2.8
Menengah <i>Secondary</i>	3.7	3.5	4.0	3.4	3.3	3.5	5.1	4.4	6.8
Tertiari <i>Tertiary</i>	2.6	2.7	2.5	2.3	2.5	2.1	5.2	4.2	6.3

Jadual A6.1: Penganggur mengikut kumpulan umur, strata dan jantina, Malaysia, 2023
Table A6.1: Unemployed persons by age group, strata and sex, Malaysia, 2023

Kumpulan umur Age group	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total	553.4	338.9	214.5	423.2	260.2	163.0	130.3	78.7	51.5
15 - 19	107.2	76.4	30.8	84.9	62.1	22.8	22.3	14.3	8.0
20 - 24	189.8	105.0	84.7	133.8	73.4	60.4	56.0	31.6	24.3
25 - 29	79.5	43.5	36.0	57.7	31.2	26.6	21.8	12.3	9.5
30 - 34	52.7	33.7	19.1	43.9	28.7	15.2	8.8	4.9	3.9
35 - 39	32.4	18.2	14.2	24.9	12.8	12.0	7.6	5.4	2.1
40 - 44	25.3	13.7	11.6	20.0	10.4	9.6	5.2	3.3	2.0
45 - 49	21.0	9.9	11.0	19.0	8.6	10.4	1.9	1.3	0.6
50 - 54	15.1	13.0	2.2	12.7	11.1	1.6	2.4	1.8	0.6
55 - 59	11.7	9.8	1.9	10.1	8.5	1.6	1.7	1.4	0.3
60 - 64	18.7	15.7	3.0	16.2	13.4	2.8	2.5	2.3	0.2
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	19.4	22.5	14.4	20.1	23.9	14.0	17.1	18.2	15.5
20 - 24	34.3	31.0	39.5	31.6	28.2	37.1	43.0	40.2	47.2
25 - 29	14.4	12.8	16.8	13.6	12.0	16.3	16.7	15.6	18.3
30 - 34	9.5	9.9	8.9	10.4	11.0	9.3	6.8	6.3	7.5
35 - 39	5.9	5.4	6.6	5.9	4.9	7.4	5.8	6.9	4.2
40 - 44	4.6	4.0	5.4	4.7	4.0	5.9	4.0	4.1	3.8
45 - 49	3.8	2.9	5.1	4.5	3.3	6.4	1.5	1.7	1.2
50 - 54	2.7	3.8	1.0	3.0	4.3	1.0	1.9	2.3	1.2
55 - 59	2.1	2.9	0.9	2.4	3.3	1.0	1.3	1.8	0.6
60 - 64	3.4	4.6	1.4	3.8	5.1	1.7	1.9	2.9	0.4

Jadual A6.2: Penganggur mengikut kumpulan etnik, strata dan jantina, Malaysia, 2023
Table A6.2: Unemployed persons by ethnic group, strata and sex, Malaysia, 2023

Kumpulan etnik <i>Ethnic group</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) <i>Total</i>	553.4	338.9	214.5	423.2	260.2	163.0	130.3	78.7	51.5
Warganegara Malaysia <i>Malaysian citizens</i>	483.7	289.1	194.6	366.0	221.1	144.9	117.7	68.1	49.7
Bumiputera	354.9	204.5	150.4	245.7	141.4	104.3	109.2	63.1	46.2
Cina <i>Chinese</i>	84.1	56.3	27.8	79.6	53.9	25.7	4.5	2.4	2.1
India <i>Indians</i>	40.3	24.6	15.7	37.0	22.5	14.5	3.3	2.1	1.2
Lain-lain <i>Others</i>	4.5	3.8	0.7	3.8	3.3	0.5	0.7	0.5	0.2
Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>	69.7	49.8	19.9	57.2	39.1	18.0	12.5	10.7	1.9
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Warganegara Malaysia <i>Malaysian citizens</i>	87.4	85.3	90.7	86.5	85.0	88.9	90.3	86.4	96.4
Bumiputera	73.4	70.7	77.3	67.1	64.0	71.9	92.8	92.7	92.9
Cina <i>Chinese</i>	17.4	19.5	14.3	21.8	24.4	17.8	3.8	3.5	4.2
India <i>Indians</i>	8.3	8.5	8.0	10.1	10.2	10.0	2.8	3.1	2.4
Lain-lain <i>Others</i>	0.9	1.3	0.4	1.0	1.5	0.3	0.6	0.7	0.4
Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>	12.6	14.7	9.3	13.5	15.0	11.1	9.6	13.6	3.6

Jadual A6.3: **Penganggur mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2023**
Table A6.3: *Unemployed persons by educational attainment, strata and sex, Malaysia, 2023*

Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) <i>Total</i>	553.4	338.9	214.5	423.2	260.2	163.0	130.3	78.7	51.5
Tiada pendidikan rasmi <i>No formal education</i>	29.1	19.3	9.9	23.8	14.6	9.2	5.4	4.6	0.7
Rendah <i>Primary</i>	48.5	29.3	19.2	36.4	20.9	15.5	12.1	8.4	3.6
Menengah <i>Secondary</i>	327.3	207.7	119.6	244.1	155.4	88.7	83.2	52.3	30.9
Tertiari <i>Tertiary</i>	148.5	82.6	65.8	118.8	69.3	49.6	29.6	13.4	16.3
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi <i>No formal education</i>	5.3	5.7	4.6	5.6	5.6	5.6	4.1	5.9	1.4
Rendah <i>Primary</i>	8.8	8.7	8.9	8.6	8.0	9.5	9.3	10.7	7.1
Menengah <i>Secondary</i>	59.1	61.3	55.8	57.7	59.7	54.4	63.9	66.4	59.9
Tertiari <i>Tertiary</i>	26.8	24.4	30.7	28.1	26.6	30.4	22.8	17.0	31.6

Jadual A6.4: Penganggur mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2023
Table A6.4: Unemployed persons by highest certificate obtained, strata and sex, Malaysia, 2023

Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) <i>Total</i>	553.4	338.9	214.5	423.2	260.2	163.0	130.3	78.7	51.5
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	53.8	40.5	13.3	40.9	30.6	10.3	12.9	9.9	3.0
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	52.3	36.0	16.2	39.6	26.9	12.7	12.6	9.1	3.5
SPM atau yang setaraf <i>SPM or equivalent</i>	255.1	156.0	99.1	188.9	116.1	72.8	66.2	39.9	26.3
STPM atau yang setaraf <i>STPM or equivalent</i>	20.7	13.1	7.6	15.4	11.1	4.3	5.3	1.9	3.3
Sijil <i>Certificate</i>	11.1	6.7	4.4	7.8	5.0	2.8	3.3	1.7	1.6
Diploma	49.8	27.9	21.9	39.3	22.3	16.9	10.6	5.6	5.0
Ijazah <i>Degree</i>	53.8	23.4	30.4	45.1	20.9	24.2	8.7	2.5	6.2
Tiada sijil <i>No certificate</i>	28.5	16.9	11.5	23.1	13.4	9.7	5.3	3.5	1.8
Tidak berkenaan <i>Not applicable</i>	28.3	18.5	9.9	23.0	13.8	9.2	5.4	4.6	0.7
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	9.7	11.9	6.2	9.7	11.8	6.3	9.9	12.5	5.9
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	9.4	10.6	7.6	9.4	10.3	7.8	9.7	11.6	6.8
SPM atau yang setaraf <i>SPM or equivalent</i>	46.1	46.0	46.2	44.6	44.6	44.7	50.8	50.6	51.1
STPM atau yang setaraf <i>STPM or equivalent</i>	3.7	3.9	3.6	3.6	4.3	2.6	4.0	2.5	6.5
Sijil <i>Certificate</i>	2.0	2.0	2.1	1.8	1.9	1.7	2.5	2.2	3.1
Diploma	9.0	8.2	10.2	9.3	8.6	10.4	8.1	7.1	9.7
Ijazah <i>Degree</i>	9.7	6.9	14.2	10.7	8.0	14.8	6.7	3.2	12.1
Tiada sijil <i>No certificate</i>	5.1	5.0	5.4	5.5	5.2	6.0	4.1	4.5	3.5
Tidak berkenaan <i>Not applicable</i>	5.1	5.4	4.6	5.4	5.3	5.6	4.1	5.9	1.4

Jadual A6.5: Penganggur mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2023 Table A6.5: Unemploye persons by highest certificate obtained, strata and sex, Malaysia, 2023									
Pengalaman bekerja <i>Working experience</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) <i>Total</i>	553.4	338.9	214.5	423.2	260.2	163.0	130.3	78.7	51.5
Pernah bekerja <i>Worked before</i>	208.2	136.6	71.7	163.3	106.2	57.1	44.9	30.3	14.6
Tidak pernah bekerja <i>Never worked before</i>	345.2	202.4	142.8	259.8	154.0	105.9	85.4	48.4	37.0
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pernah bekerja <i>Worked before</i>	37.6	40.3	33.4	38.6	40.8	35.0	34.5	38.5	28.2
Tidak pernah bekerja <i>Never worked before</i>	62.4	59.7	66.6	61.4	59.2	65.0	65.5	61.5	71.8

Jadual A6.6: Penganggur mengikut pengalaman bekerja, kumpulan umur, strata dan jantina, Malaysia, 2023
Table A6.6: Unemployed persons by working experience, age group, strata and sex, Malaysia, 2023

Kumpulan umur Age group	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total	553.4	338.9	214.5	423.2	260.2	163.0	130.3	78.7	51.5
15 - 19	107.2	76.4	30.8	84.9	62.1	22.8	22.3	14.3	8.0
20 - 24	189.8	105.0	84.7	133.8	73.4	60.4	56.0	31.6	24.3
25 - 29	79.5	43.5	36.0	57.7	31.2	26.6	21.8	12.3	9.5
30 - 34	52.7	33.7	19.1	43.9	28.7	15.2	8.8	4.9	3.9
35 - 39	32.4	18.2	14.2	24.9	12.8	12.0	7.6	5.4	2.1
40 - 54	61.4	36.6	24.8	51.8	30.2	21.6	9.6	6.4	3.2
55 - 64	30.5	25.5	4.9	26.3	21.9	4.4	4.2	3.7	0.5
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	19.4	22.5	14.3	20.1	23.9	14.0	17.1	18.2	15.5
20 - 24	34.3	31.0	39.5	31.6	28.2	37.1	43.0	40.2	47.2
25 - 29	14.4	12.8	16.8	13.6	12.0	16.3	16.7	15.7	18.3
30 - 34	9.5	9.9	8.9	10.4	11.0	9.3	6.8	6.3	7.5
35 - 39	5.9	5.4	6.6	5.9	4.9	7.4	5.8	6.9	4.2
40 - 54	11.1	10.8	11.6	12.2	11.6	13.2	7.4	8.1	6.2
55 - 64	5.5	7.5	2.3	6.2	8.4	2.7	3.2	4.7	1.0

Jadual A6.6: Penganggur mengikut pengalaman bekerja, kumpulan umur, strata dan jantina, Malaysia, 2023 (samb.)
Table A6.6: Unemployed persons by working experience, age group, strata and sex, Malaysia, 2023 (cont'd)

Kumpulan umur Age group	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Pernah bekerja ('000) Worked before	208.2	136.6	71.7	163.3	106.2	57.1	44.9	30.3	14.6
15 - 19	11.3	7.7	3.6	8.2	5.4	2.8	3.1	2.3	0.8
20 - 24	56.0	31.4	24.6	41.2	21.9	19.3	14.8	9.4	5.3
25 - 29	28.9	17.1	11.8	21.6	13.6	8.0	7.3	3.5	3.8
30 - 34	31.4	21.4	10.0	26.2	18.3	7.9	5.1	3.1	2.1
35 - 39	20.0	11.8	8.2	14.8	7.6	7.2	5.2	4.2	1.0
40 - 54	40.3	28.8	11.5	33.9	23.8	10.1	6.4	5.0	1.4
55 - 64	20.4	18.4	2.0	17.4	15.6	1.8	3.0	2.9	0.2
Pernah bekerja (%) Worked before	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	5.4	5.6	5.0	5.0	5.1	4.9	6.8	7.5	5.3
20 - 24	26.9	23.0	34.4	25.2	20.6	33.8	32.9	31.1	36.6
25 - 29	13.9	12.5	16.5	13.2	12.8	14.0	16.3	11.5	26.3
30 - 34	15.1	15.6	13.9	16.0	17.2	13.9	11.5	10.2	14.1
35 - 39	9.6	8.7	11.4	9.1	7.2	12.6	11.5	13.9	6.6
40 - 54	19.3	21.1	16.0	20.8	22.4	17.6	14.2	16.4	9.7
55 - 64	9.8	13.5	2.8	10.6	14.7	3.2	6.8	9.4	1.3

Jadual A6.6: Penganggur mengikut pengalaman bekerja, kumpulan umur, strata dan jantina, Malaysia, 2023 (samb.)
Table A6.6: Unemployed persons by working experience, age group, strata and sex, Malaysia, 2023 (cont'd)

Kumpulan umur Age group	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Tidak pernah bekerja ('000) Never worked before	345.2	202.4	142.8	259.8	154.0	105.9	85.4	48.4	37.0
15 - 19	95.9	68.7	27.2	76.7	56.7	20.0	19.3	12.0	7.2
20 - 24	133.8	73.7	60.1	92.6	51.4	41.1	41.2	22.2	19.0
25 - 29	50.6	26.4	24.2	36.1	17.6	18.6	14.5	8.8	5.6
30 - 34	21.4	12.3	9.1	17.7	10.4	7.2	3.7	1.9	1.8
35 - 39	12.4	6.4	6.0	10.0	5.2	4.9	2.4	1.2	1.2
40 - 54	21.1	7.8	13.3	17.9	6.4	11.5	3.2	1.4	1.8
55 - 64	10.1	7.1	2.9	8.9	6.3	2.6	1.2	0.8	0.3
Tidak pernah bekerja (%) Never worked before	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	27.8	33.9	19.0	29.5	36.8	18.9	22.6	24.9	19.5
20 - 24	38.7	36.4	42.1	35.6	33.4	38.8	48.3	45.9	51.4
25 - 29	14.7	13.1	16.9	13.9	11.4	17.5	16.9	18.3	15.2
30 - 34	6.2	6.1	6.3	6.8	6.8	6.8	4.3	3.8	4.9
35 - 39	3.6	3.2	4.2	3.9	3.4	4.6	2.8	2.5	3.2
40 - 54	6.1	3.9	9.3	6.9	4.1	10.9	3.8	3.0	4.8
55 - 64	2.9	3.5	2.1	3.4	4.1	2.5	1.4	1.7	0.9

Jadual A6.7: Penganggur aktif mengikut tempoh menganggur, strata dan jantina, Malaysia, 2023
Table A6.7: Active unemployed persons by duration of unemployment, strata and sex, Malaysia, 2023

Tempoh menganggur <i>Duration of unemployment</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) <i>Total</i>	422.4	251.7	170.7	335.1	201.2	133.9	87.3	50.4	36.9
Kurang dari 3 bulan <i>Less than 3 month</i>	239.2	146.8	92.4	198.8	122.4	76.4	40.4	24.4	16.0
3 bulan-kurang dari 6 bulan <i>3 month-less than 6 month</i>	108.4	59.8	48.7	84.2	46.3	37.9	24.2	13.5	10.8
6 bulan-kurang dari 1 tahun <i>6 month- less than 1 year</i>	47.7	27.7	20.1	33.4	19.5	13.9	14.3	8.2	6.2
1-3 tahun <i>1-3 years</i>	23.6	15.7	7.9	16.6	11.9	4.7	7.0	3.8	3.2
Lebih daripada 3 tahun <i>More than 3 years</i>	3.5	1.8	1.7	2.1	1.2	0.9	1.4	0.6	0.7
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Kurang dari 3 bulan <i>Less than 3 month</i>	56.6	58.3	54.1	59.3	60.8	57.1	46.2	48.4	43.4
3 bulan-kurang dari 6 bulan <i>3 month-less than 6 month</i>	25.7	23.7	28.5	25.1	23.0	28.3	27.8	26.7	29.2
6 bulan-kurang dari 1 tahun <i>6 month- less than 1 year</i>	11.3	11.0	11.8	10.0	9.7	10.4	16.4	16.2	16.7
1-3 tahun <i>1-3 years</i>	5.6	6.2	4.6	5.0	5.9	3.5	8.0	7.5	8.7
Lebih daripada 3 tahun <i>More than 3 years</i>	0.8	0.7	1.0	0.6	0.6	0.7	1.6	1.3	2.0

Jadual A6.8: Langkah-langkah yang telah diambil untuk mendapatkan kerja oleh penganggur mengikut jantina, Malaysia, 2023
Table A6.8: Steps taken to obtain jobs by unemployed persons by sex, Malaysia, 2023

Langkah-langkah yang telah diambil untuk mendapatkan kerja <i>Steps taken to obtain jobs</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ¹ ('000) <i>Total</i>	1,426.0	846.4	579.6
Jabatan Tenaga Kerja/Agensi Pekerjaan <i>Labour Department/Employment Agency</i>	324.6	190.2	134.4
Menjawab iklan/mengiklan <i>Answer advertisement/advertise</i>	339.9	200.9	139.0
Menghantar surat permohonan <i>Send applications</i>	348.9	206.7	142.2
Beritahu sahabat/saudara mara <i>Inform friends/relatives</i>	169.4	99.3	70.2
Lain-lain <i>Others</i>	243.1	149.3	93.8

Jadual A7.1
Table A7.1

Penduduk luar tenaga buruh mengikut kumpulan umur, strata dan jantina, Malaysia, 2023
Population outside labour force by age group, strata and sex, Malaysia, 2023

Kumpulan umur Age group	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total	6,997.8	2,188.3	4,809.5	5,493.8	1,784.3	3,709.5	1,504.0	404.0	1,100.0
15 - 19	2,064.4	1,053.5	1,010.9	1,587.9	819.5	768.5	476.5	234.1	242.4
20 - 24	1,028.5	351.5	677.0	842.0	299.1	542.9	186.5	52.5	134.0
25 - 29	400.8	107.1	293.8	298.9	101.0	197.9	101.9	6.0	95.9
30 - 34	395.6	57.8	337.9	283.4	40.4	242.9	112.3	17.3	94.9
35 - 39	457.0	25.1	431.9	355.8	21.9	333.9	101.3	3.3	98.0
40 - 44	333.1	27.2	305.9	247.6	20.9	226.7	85.5	6.3	79.2
45 - 49	415.6	36.7	378.9	335.9	31.3	304.6	79.6	5.4	74.3
50 - 54	448.9	55.8	393.1	355.6	46.6	309.0	93.3	9.2	84.1
55 - 59	604.5	133.0	471.5	494.1	118.5	375.5	110.4	14.4	96.0
60 - 64	849.4	340.6	508.7	692.6	285.1	407.5	156.8	55.5	101.2
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	29.5	48.1	21.0	28.9	45.9	20.7	31.7	57.9	22.0
20 - 24	14.7	16.1	14.1	15.3	16.8	14.6	12.4	13.0	12.2
25 - 29	5.7	4.9	6.1	5.4	5.7	5.3	6.8	1.5	8.7
30 - 34	5.7	2.6	7.0	5.2	2.3	6.5	7.5	4.3	8.6
35 - 39	6.5	1.1	9.0	6.5	1.2	9.0	6.7	0.8	8.9
40 - 44	4.8	1.2	6.4	4.5	1.2	6.1	5.7	1.6	7.2
45 - 49	5.9	1.7	7.9	6.1	1.8	8.2	5.3	1.3	6.8
50 - 54	6.4	2.6	8.2	6.5	2.6	8.3	6.2	2.3	7.6
55 - 59	8.6	6.1	9.8	9.0	6.6	10.1	7.3	3.6	8.7
60 - 64	12.1	15.6	10.6	12.6	16.0	11.0	10.4	13.7	9.2

Jadual A7.2: Penduduk luar tenaga buruh mengikut kumpulan etnik, strata dan jantina, Malaysia, 2023
Table A7.2: Population outside labour force by ethnic group, strata and sex, Malaysia, 2023

Kumpulan Umur Age Group	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total	6,997.8	2,188.3	4,809.5	5,493.8	1,784.3	3,709.5	1,504.0	404.0	1,100.0
Warganegara Malaysia Malaysian citizens	6,694.6	2,081.0	4,613.6	5,267.0	1,686.5	3,580.5	1,427.6	394.6	1,033.0
Bumiputera	4,757.8	1,410.8	3,347.0	3,454.7	1,051.4	2,403.3	1,303.1	359.5	943.7
Cina Chinese	1,438.5	501.8	936.7	1,357.3	478.6	878.8	81.1	23.2	57.9
India Indians	449.4	153.4	296.0	416.8	143.9	272.9	32.6	9.5	23.1
Lain-lain Others	48.9	15.0	33.9	38.2	12.6	25.6	10.7	2.4	8.3
Bukan warganegara Malaysia Non-Malaysian citizens	303.2	107.3	196.0	226.8	97.8	128.9	76.4	9.4	67.0
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Warganegara Malaysia Malaysian citizens	95.7	95.1	95.9	95.9	94.5	96.5	94.9	97.7	93.9
Bumiputera	71.1	67.8	72.5	65.6	62.3	67.1	91.3	91.1	91.4
Cina Chinese	21.5	24.1	20.3	25.8	28.4	24.5	5.7	5.9	5.6
India Indians	6.7	7.4	6.4	7.9	8.5	7.6	2.3	2.4	2.2
Lain-lain Others	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.8
Bukan warganegara Malaysia Non-Malaysian citizens	4.3	4.9	4.1	4.1	5.5	3.5	5.1	2.3	6.1

Jadual A7.3: Penduduk luar tenaga buruh mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2023
Table A7.3: Population outside labour force by educational attainment, strata and sex, Malaysia, 2023

Pencapaian pendidikan <i>Educational attainment</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) <i>Total</i>	6,997.8	2,188.3	4,809.5	5,493.8	1,784.3	3,709.5	1,504.0	404.0	1,100.0
Tiada pendidikan rasmi <i>No formal education</i>	200.6	48.0	152.6	116.4	28.9	87.5	84.1	19.1	65.0
Rendah <i>Primary</i>	560.9	106.5	454.4	382.8	79.7	303.1	178.1	26.7	151.4
Menengah <i>Secondary</i>	4,297.3	1,430.4	2,867.0	3,346.6	1,165.4	2,181.2	950.7	264.9	685.8
Tertiari <i>Tertiary</i>	1,939.0	603.5	1,335.5	1,647.9	510.3	1,137.7	291.1	93.2	197.9
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi <i>No formal education</i>	2.9	2.2	3.2	2.1	1.6	2.4	5.6	4.7	5.9
Rendah <i>Primary</i>	8.0	4.9	9.4	7.0	4.5	8.2	11.8	6.6	13.8
Menengah <i>Secondary</i>	61.4	65.4	59.6	60.9	65.3	58.8	63.2	65.6	62.3
Tertiari <i>Tertiary</i>	27.7	27.6	27.8	30.0	28.6	30.7	19.4	23.1	18.0

Jadual A7.4: Penduduk luar tenaga buruh mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2023
Table A7.4: Population outside labour force by highest certificate obtained, strata and sex, Malaysia, 2023

Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) <i>Total</i>	6,997.8	2,188.3	4,809.5	5,493.8	1,784.3	3,709.5	1,504.0	404.0	1,100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	888.0	329.4	558.6	656.5	262.1	394.4	231.5	67.3	164.2
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	1,612.0	707.6	904.3	1,223.8	558.8	665.0	388.1	148.8	239.3
SPM atau yang setaraf <i>SPM or equivalent</i>	2,815.9	678.2	2,137.6	2,256.9	564.7	1,692.2	558.9	113.5	445.4
STPM atau yang setaraf <i>STPM or equivalent</i>	364.8	102.6	262.1	295.5	86.4	209.1	69.2	16.2	53.0
Sijil <i>Certificate</i>	53.5	18.9	34.6	41.9	15.3	26.6	11.6	3.6	8.0
Diploma	450.5	126.5	324.0	395.5	114.0	281.5	55.0	12.5	42.5
Ijazah <i>Degree</i>	400.6	126.0	274.6	365.0	116.7	248.3	35.6	9.3	26.3
Tiada sijil <i>No certificate</i>	214.2	51.8	162.4	143.4	37.8	105.6	70.8	14.0	56.8
Tidak berkenaan <i>Not applicable</i>	198.5	47.3	151.2	115.2	28.5	86.7	83.3	18.8	64.5
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	12.7	15.1	11.6	11.9	14.7	10.6	15.4	16.6	14.9
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	23.0	32.3	18.8	22.3	31.3	17.9	25.8	36.8	21.8
SPM atau yang setaraf <i>SPM or equivalent</i>	40.2	31.0	44.4	41.1	31.6	45.6	37.2	28.1	40.5
STPM atau yang setaraf <i>STPM or equivalent</i>	5.2	4.7	5.4	5.4	4.8	5.6	4.6	4.0	4.8
Sijil <i>Certificate</i>	0.8	0.9	0.7	0.8	0.9	0.7	0.8	0.9	0.7
Diploma	6.4	5.8	6.7	7.2	6.4	7.6	3.7	3.1	3.9
Ijazah <i>Degree</i>	5.7	5.8	5.7	6.6	6.5	6.7	2.4	2.3	2.4
Tiada sijil <i>No certificate</i>	3.1	2.4	3.4	2.6	2.1	2.8	4.7	3.5	5.2
Tidak berkenaan <i>Not applicable</i>	2.8	2.2	3.1	2.1	1.6	2.3	5.5	4.7	5.9

Jadual A7.5: Penduduk luar tenaga buruh mengikut sebab tidak mencari kerja, strata dan jantina, Malaysia, 2023

Table A7.5: Population outside labour force by reasons for not seeking work, strata and sex, Malaysia, 2023

Sebab tidak mencari kerja <i>Reasons for not seeking work</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) <i>Total</i>	6,997.8	2,188.3	4,809.5	5,493.8	1,784.3	3,709.5	1,504.0	404.0	1,100.0
Masih belajar <i>Schooling</i>	2,758.0	1,298.7	1,459.3	2,207.5	1,032.9	1,174.6	550.5	265.8	284.8
Kerja rumah/ tanggungjawab keluarga <i>Housework/family responsibilities</i>	3,069.9	85.2	2,984.8	2,312.8	72.1	2,240.7	757.2	13.1	744.1
Akan melanjutkan pelajaran <i>Going for further studies</i>	114.1	60.1	54.0	91.4	48.9	42.5	22.7	11.2	11.5
Hilang upaya <i>Disabled</i>	253.6	183.4	70.1	204.0	152.7	51.3	49.6	30.7	18.9
Tidak berminat <i>Not interested</i>	78.2	62.8	15.4	57.9	50.4	7.5	20.2	12.3	7.9
Sudah bersara <i>Retired</i>	724.0	498.2	225.9	620.3	427.3	193.0	103.8	70.9	32.9
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Masih belajar <i>Schooling</i>	39.4	59.3	30.3	40.2	57.9	31.7	36.6	65.8	25.9
Kerja rumah/ tanggungjawab keluarga <i>Housework/family responsibilities</i>	43.9	3.9	62.1	42.1	4.0	60.4	50.3	3.2	67.6
Akan melanjutkan pelajaran <i>Going for further studies</i>	1.6	2.7	1.1	1.7	2.7	1.1	1.5	2.8	1.0
Hilang upaya <i>Disabled</i>	3.6	8.4	1.5	3.7	8.6	1.4	3.3	7.6	1.7
Tidak berminat <i>Not interested</i>	1.1	2.9	0.3	1.1	2.8	0.2	1.3	3.0	0.7
Sudah bersara <i>Retired</i>	10.3	22.8	4.7	11.3	23.9	5.2	6.9	17.6	3.0

Jadual A7.6: Penduduk luar tenaga buruh mengikut sebab tidak mencari kerja, strata dan jantina, Malaysia, 2023
Table A7.6: Population outside labour force by reasons for not seeking work, strata and sex, Malaysia, 2023

Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Jumlah <i>Total</i>	Sebab tidak mencari kerja <i>Reasons for not seeking work</i>					
		Masih belajar <i>Schooling</i>	Kerja rumah/ tanggungjawab keluarga <i>Housework/family responsibilities</i>	Akan melanjutkan pelajaran <i>Going for further studies</i>	Hilang upaya <i>Disabled</i>	Tidak berminat <i>Not interested</i>	Sudah bersara <i>Retired</i>
Jumlah ('000) <i>Total</i>	6,997.8	2,758.0	3,069.9	114.1	253.6	78.2	724.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	888.0	408.9	358.4	1.9	28.2	4.0	86.5
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	1,612.0	1,042.2	431.0	11.8	23.4	8.0	95.7
SPM atau yang setaraf <i>SPM or equivalent</i>	2,815.9	802.6	1,524.6	69.6	89.9	35.6	293.6
STPM atau yang setaraf <i>STPM or equivalent</i>	364.8	218.8	98.3	9.3	8.5	4.0	25.9
Sijil <i>Certificate</i>	53.5	13.2	23.6	2.4	2.6	1.6	10.1
Diploma	450.5	170.2	177.0	11.0	18.5	8.9	64.9
Ijazah <i>Degree</i>	400.6	69.1	194.4	7.7	21.4	11.7	96.3
Tiada sijil <i>No certificate</i>	214.2	30.5	138.2	0.3	13.0	1.8	30.3
Tidak berkenaan <i>Not applicable</i>	198.5	2.6	124.4	0.0	48.1	2.7	20.7
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	12.7	14.8	11.7	1.7	11.1	5.1	11.9
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	23.0	37.8	14.0	10.3	9.2	10.2	13.2
SPM atau yang setaraf <i>SPM or equivalent</i>	40.2	29.1	49.7	61.0	35.4	45.5	40.6
STPM atau yang setaraf <i>STPM or equivalent</i>	5.2	7.9	3.2	8.2	3.3	5.2	3.6
Sijil <i>Certificate</i>	0.8	0.5	0.8	2.1	1.0	2.0	1.4
Diploma	6.4	6.2	5.8	9.6	7.3	11.4	9.0
Ijazah <i>Degree</i>	5.7	2.5	6.3	6.8	8.4	14.9	13.3
Tiada sijil <i>No certificate</i>	3.1	1.1	4.5	0.3	5.1	2.3	4.2
Tidak berkenaan <i>Not applicable</i>	2.8	0.1	4.1	0.0	19.0	3.4	2.9

Jadual A7.7: Penduduk luar tenaga buruh mengikut sebab tidak mencari kerja, sijil tertinggi diperoleh dan jantina, Malaysia, 2023
Table A7.7: Population outside labour force by reasons for not seeking work, highest certificate obtained and sex, Malaysia, 2023

Lelaki/Male							
Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Jumlah <i>Total</i>	Sebab tidak mencari kerja <i>Reasons for not seeking work</i>					
		Masih belajar <i>Schooling</i>	Kerja rumah/ tanggungjawab keluarga <i>Housework/family responsibilities</i>	Akan melanjutkan pelajaran <i>Going for further studies</i>	Hilang upaya <i>Disabled</i>	Tidak berminat <i>Not interested</i>	Sudah bersara <i>Retired</i>
Jumlah ('000) <i>Total</i>	2,188.3	1,298.7	85.2	60.1	183.4	62.8	498.2
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	329.4	231.3	11.9	1.7	19.5	2.6	62.4
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	707.6	586.8	10.6	7.7	18.9	6.6	77.1
SPM atau yang setaraf <i>SPM or equivalent</i>	678.2	299.6	35.9	35.4	65.7	30.1	211.6
STPM atau yang setaraf <i>STPM or equivalent</i>	102.6	69.5	2.8	3.1	7.3	3.1	16.9
Sijil <i>Certificate</i>	18.9	6.2	1.5	1.3	2.5	1.3	6.1
Diploma	126.5	54.4	7.2	5.2	15.3	7.7	36.7
Ijazah <i>Degree</i>	126.0	33.5	6.9	5.5	16.1	8.1	55.9
Tiada sijil <i>No certificate</i>	51.8	16.3	4.1	0.2	9.2	1.7	20.3
Tidak berkenaan <i>Not applicable</i>	47.3	1.2	4.3	-	29.0	1.5	11.2
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	15.1	17.8	14.0	2.9	10.6	4.1	12.5
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	32.3	45.2	12.4	12.8	10.3	10.6	15.5
SPM atau yang setaraf <i>SPM or equivalent</i>	31.0	23.1	42.1	58.9	35.8	48.0	42.5
STPM atau yang setaraf <i>STPM or equivalent</i>	4.7	5.3	3.3	5.2	4.0	5.0	3.4
Sijil <i>Certificate</i>	0.9	0.5	1.7	2.2	1.4	2.0	1.2
Diploma	5.8	4.2	8.5	8.7	8.3	12.3	7.4
Ijazah <i>Degree</i>	5.8	2.6	8.1	9.2	8.8	12.9	11.2
Tiada sijil <i>No certificate</i>	2.4	1.3	4.8	0.4	5.0	2.8	4.1
Tidak berkenaan <i>Not applicable</i>	2.2	0.1	5.1	-	15.8	2.4	2.2

Jadual A7.7: Penduduk luar tenaga buruh mengikut sebab tidak mencari kerja, sijil tertinggi diperoleh dan jantina, Malaysia, 2023 (samb.)

Table A7.7: Population outside labour force by reasons for not seeking work and highest certificate obtained, sex, Malaysia, 2023 (cont'd)

Perempuan/Female							
Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Jumlah <i>Total</i>	Sebab tidak mencari kerja <i>Reasons for not seeking work</i>					
		Masih belajar <i>Schooling</i>	Kerja rumah/ tanggungjawab keluarga <i>Housework/family responsibilities</i>	Akan melanjutkan pelajaran <i>Going for further studies</i>	Hilang upaya <i>Disabled</i>	Tidak berminat <i>Not interested</i>	Sudah bersara <i>Retired</i>
Jumlah ('000) <i>Total</i>	4,809.5	1,459.3	2,984.8	54.0	70.1	15.4	225.9
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	558.6	177.6	346.5	0.2	8.7	1.4	24.1
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	904.3	455.4	420.4	4.1	4.5	1.3	18.6
SPM atau yang setaraf <i>SPM or equivalent</i>	2,137.6	503.0	1,488.8	34.2	24.2	5.5	82.0
STPM atau yang setaraf <i>STPM or equivalent</i>	262.1	149.3	95.5	6.2	1.2	0.9	9.0
Sijil <i>Certificate</i>	34.6	7.0	22.2	1.1	0.1	0.3	4.0
Diploma	324.0	115.8	169.8	5.8	3.3	1.2	28.1
Ijazah <i>Degree</i>	274.6	35.6	187.4	2.2	5.3	3.6	40.4
Tiada sijil <i>No certificate</i>	162.4	14.2	134.1	0.1	3.8	0.0	10.1
Tidak berkenaan <i>Not applicable</i>	151.2	1.4	120.1	-	19.1	1.2	9.5
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	11.6	12.2	11.6	0.4	12.4	9.3	10.7
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	18.8	31.2	14.1	7.6	6.4	8.7	8.2
SPM atau yang setaraf <i>SPM or equivalent</i>	44.4	34.5	49.9	63.4	34.5	35.4	36.3
STPM atau yang setaraf <i>STPM or equivalent</i>	5.4	10.2	3.2	11.5	1.7	6.0	4.0
Sijil <i>Certificate</i>	0.7	0.5	0.7	2.0	0.1	2.0	1.8
Diploma	6.7	7.9	5.7	10.8	4.6	7.6	12.5
Ijazah <i>Degree</i>	5.7	2.4	6.3	4.1	7.6	23.2	17.9
Tiada sijil <i>No certificate</i>	3.4	1.0	4.5	0.1	5.4	0.3	4.5
Tidak berkenaan <i>Not applicable</i>	3.1	0.1	4.0	-	27.2	7.5	4.2

Jadual A7.8: Penduduk luar tenaga buruh mengikut pengalaman bekerja, strata dan jantina, Malaysia, 2023
Table A7.8: Population outside labour force by working experience, strata and sex, Malaysia, 2023

Pengalaman bekerja <i>Working experience</i>	Jumlah <i>Total</i>			Bandar <i>Urban</i>			Luar Bandar <i>Rural</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
Jumlah ('000) <i>Total</i>	6,997.8	2,188.3	4,809.5	5,493.8	1,784.3	3,709.5	1,504.0	404.0	1,100.0
Pernah bekerja <i>Worked before</i>	1,966.7	636.3	1,330.3	1,597.9	547.0	1,050.9	368.8	89.3	279.4
Tidak pernah bekerja <i>Never worked before</i>	5,031.2	1,552.0	3,479.2	3,895.9	1,237.3	2,658.6	1,135.2	314.7	820.6
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pernah bekerja <i>Worked before</i>	28.1	29.1	27.7	29.1	30.7	28.3	24.5	22.1	25.4
Tidak pernah bekerja <i>Never worked before</i>	71.9	70.9	72.3	70.9	69.3	71.7	75.5	77.9	74.6



JADUAL STATISTIK: NEGERI

STATISTICAL TABLE: STATES

Jadual B1.1: Kadar penyertaan tenaga buruh mengikut negeri, strata dan jantina, Malaysia, 2023
Table B1.1: Labour force participation rate by state, strata and sex, Malaysia, 2023

Negeri State	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah (%) Total	70.0	82.3	56.2	71.1	82.2	58.8	65.5	83.0	44.6
Johor	71.3	88.4	50.8	71.4	87.8	52.0	70.8	91.0	44.9
Kedah	65.3	79.9	49.8	66.5	78.4	54.2	61.1	84.8	34.6
Kelantan	57.3	71.3	43.2	60.5	71.6	49.6	53.3	71.0	34.9
Melaka	70.1	80.5	58.0	70.2	80.8	58.1	67.0	73.9	56.0
Negeri Sembilan	66.1	79.5	51.4	67.2	79.6	53.5	62.0	79.0	43.0
Pahang	65.1	80.2	47.3	65.3	78.9	51.2	64.8	82.1	39.1
Pulau Pinang	71.3	84.5	57.4	71.7	84.7	57.9	59.9	77.8	41.9
Perak	66.0	79.7	50.4	66.1	79.1	51.9	65.3	82.3	42.7
Perlis	61.7	76.1	47.3	62.7	76.7	48.7	59.0	74.5	43.8
Selangor	77.4	84.0	69.7	77.6	83.9	70.4	73.4	86.1	53.8
Terengganu	60.0	76.6	42.0	60.9	77.5	43.6	57.6	74.5	37.7
Sabah	70.1	83.0	55.9	69.2	80.5	56.9	71.9	87.7	53.8
Sarawak	69.0	84.2	52.4	69.8	84.5	54.0	67.4	83.8	49.5
W.P. Kuala Lumpur	74.2	80.6	66.5	74.2	80.6	66.5	n.a	n.a	n.a
W.P. Labuan	67.9	85.3	50.0	68.3	85.7	50.7	64.9	83.1	44.3
W.P. Putrajaya	78.6	78.1	79.2	78.6	78.1	79.2	n.a	n.a	n.a

Jadual B1.2: Kadar penyertaan tenaga buruh mengikut negeri dan kumpulan umur, Malaysia, 2023
Table B1.2: Labour force participation rate by state and age group, Malaysia, 2023

Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah (%) Total	70.0	25.6	65.9	86.2	86.3	84.0	86.6	78.9	73.3	59.3	35.3
Johor	71.3	28.8	70.2	84.6	90.9	88.9	84.0	79.7	70.1	59.8	36.8
Kedah	65.3	18.0	65.6	88.8	80.7	77.8	76.7	77.9	68.8	54.1	34.1
Kelantan	57.3	11.7	44.4	78.2	76.1	77.6	79.1	78.1	69.8	61.7	32.1
Melaka	70.1	12.6	68.1	95.6	87.0	86.1	85.9	74.6	73.9	50.0	24.8
Negeri Sembilan	66.1	16.9	67.0	84.6	85.4	84.2	81.8	75.8	68.0	49.0	26.1
Pahang	65.1	10.8	68.3	87.8	82.8	79.8	80.2	74.2	68.6	55.5	36.4
Pulau Pinang	71.3	14.2	65.2	85.7	95.7	89.3	89.5	83.8	70.9	59.0	27.5
Perak	66.0	15.7	73.5	84.5	88.4	83.1	82.6	76.9	65.6	51.4	26.1
Perlis	61.7	18.1	60.2	75.5	78.2	80.0	81.3	74.1	72.2	56.0	31.1
Selangor	77.4	54.3	61.9	95.3	87.2	81.7	96.6	79.4	80.2	66.4	41.7
Terengganu	60.0	14.0	63.7	71.7	71.5	75.1	77.5	76.2	71.6	50.3	26.5
Sabah	70.1	30.5	75.5	84.2	83.4	83.6	77.8	69.1	71.8	65.8	44.2
Sarawak	69.0	18.4	66.7	78.8	87.2	84.7	83.9	80.0	74.1	64.1	46.6
W.P. Kuala Lumpur	74.2	12.1	59.5	83.0	90.7	93.7	94.1	92.1	81.3	48.1	24.5
W.P. Labuan	67.9	13.4	82.9	79.0	72.6	77.6	79.7	77.5	71.6	57.9	44.2
W.P. Putrajaya	78.6	5.0	36.5	83.1	88.7	95.8	95.3	93.8	97.3	82.9	74.0

Jadual B1.3: Kadar penyertaan tenaga buruh mengikut negeri, kumpulan umur dan jantina, Malaysia, 2023
Table B1.3: Labour force participation rate by state, age group and sex, Malaysia, 2023

Lelaki/Male											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah (%) Total	82.3	27.5	78.5	93.3	96.3	98.3	98.0	96.4	93.5	82.2	49.1
Johor	88.4	46.0	90.1	98.9	99.8	99.2	99.3	99.6	95.1	84.8	56.4
Kedah	79.9	20.3	73.4	97.4	98.1	98.7	96.3	97.0	90.5	84.9	54.5
Kelantan	71.3	17.5	50.6	94.3	87.4	97.9	98.0	97.3	90.4	88.1	47.6
Melaka	80.5	16.8	80.9	95.7	91.9	97.8	97.9	96.0	88.3	68.9	37.5
Negeri Sembilan	79.5	23.0	78.4	93.1	95.1	98.0	94.5	93.2	87.0	75.0	42.5
Pahang	80.2	14.1	78.0	89.9	98.0	99.0	97.9	97.4	93.2	79.6	56.9
Pulau Pinang	84.5	21.9	92.4	95.1	98.9	99.3	99.6	98.4	94.0	76.9	41.4
Perak	79.7	22.2	90.5	86.8	96.7	97.3	97.1	95.3	87.8	75.9	39.6
Perlis	76.1	19.7	73.6	93.1	97.2	97.2	94.2	96.3	94.6	81.4	49.1
Selangor	84.0	30.7	65.0	94.6	97.7	98.8	99.6	98.9	94.8	88.3	43.7
Terengganu	76.6	18.7	83.3	94.6	83.1	92.8	93.8	94.1	94.1	73.1	40.9
Sabah	83.0	38.2	83.4	86.8	99.0	99.6	95.9	83.8	96.6	94.0	65.1
Sarawak	84.2	23.9	94.3	90.6	97.7	98.0	97.3	95.4	94.4	84.7	66.0
W.P. Kuala Lumpur	80.6	21.2	71.1	94.0	89.6	97.3	97.8	99.0	95.7	54.4	31.2
W.P. Labuan	85.3	16.5	99.5	96.2	90.6	94.5	99.2	98.8	100.0	87.0	66.0
W.P. Putrajaya	78.1	7.0	20.0	77.8	97.6	98.0	100.0	98.4	94.8	67.0	49.3

Jadual B1.3: Kadar penyertaan tenaga buruh mengikut negeri, kumpulan umur dan jantina, Malaysia, 2023 (samb.)

Table B1.3: Labour force participation rate by state, age group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah (%) Total	56.2	23.6	51.0	77.4	74.5	67.9	73.7	60.1	52.4	36.0	20.9
Johor	50.8	9.6	44.6	65.0	79.6	76.0	66.0	56.7	43.6	32.8	15.1
Kedah	49.8	15.3	56.4	78.6	62.3	56.6	56.9	58.8	49.0	26.6	15.9
Kelantan	43.2	5.6	38.1	61.7	64.0	56.5	58.9	59.6	51.4	38.1	18.2
Melaka	58.0	7.9	52.9	95.4	79.7	72.6	68.3	59.6	59.8	32.5	12.4
Negeri Sembilan	51.4	9.9	53.3	74.3	72.7	68.2	67.1	59.9	49.8	26.0	12.4
Pahang	47.3	7.2	57.0	85.0	63.0	54.8	57.8	50.9	41.9	30.5	14.9
Pulau Pinang	57.4	5.6	36.0	74.6	92.6	79.3	78.8	68.7	47.2	41.2	13.3
Perak	50.4	8.4	52.8	81.5	77.3	66.2	65.5	58.2	44.0	29.1	13.6
Perlis	47.3	16.2	46.2	57.3	57.4	62.7	64.4	60.0	55.2	35.8	15.9
Selangor	69.7	79.7	58.0	96.3	74.9	63.2	93.1	56.5	64.4	42.1	39.4
Terengganu	42.0	8.8	42.5	45.7	58.0	55.3	58.8	57.7	49.6	29.4	13.0
Sabah	55.9	22.3	66.5	81.3	66.6	66.6	57.5	51.8	43.9	35.0	16.4
Sarawak	52.4	12.2	36.4	65.5	75.0	69.6	69.4	64.2	53.6	43.1	27.6
W.P. Kuala Lumpur	66.5	2.1	45.1	69.3	91.9	89.4	89.8	84.2	63.3	41.2	16.0
W.P. Labuan	50.0	9.9	68.5	62.6	54.6	58.5	55.7	56.2	46.2	29.4	20.8
W.P. Putrajaya	79.2	2.9	53.8	88.4	81.1	94.0	91.0	88.9	100.0	100.0	97.0

Jadual B1.4: Kadar penyertaan tenaga buruh mengikut negeri, kumpulan umur dan strata, Malaysia, 2023
Table B1.4: Labour force participation rate by state, age group and strata, Malaysia, 2023

Bandar/Urban											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah (%) Total	71.1	27.6	64.8	87.3	88.0	85.0	88.1	79.4	74.2	58.5	34.3
Johor	71.4	32.2	65.3	83.6	92.3	90.5	85.5	80.5	70.2	59.8	31.0
Kedah	66.5	19.6	65.5	93.0	82.4	78.5	78.1	79.6	70.1	51.4	30.1
Kelantan	60.5	12.9	41.3	89.3	86.4	80.8	79.5	78.1	71.2	59.1	39.3
Melaka	70.2	12.4	67.8	95.9	88.8	85.9	85.6	74.9	74.0	49.5	24.7
Negeri Sembilan	67.2	18.0	66.3	85.7	86.2	84.4	83.0	76.9	70.1	48.9	25.1
Pahang	65.3	9.7	71.2	92.6	81.7	80.0	81.5	74.3	70.0	53.0	35.2
Pulau Pinang	71.7	14.2	65.2	85.7	96.3	90.0	90.1	84.3	71.1	59.4	27.7
Perak	66.1	16.1	72.6	83.3	90.2	83.7	82.9	77.6	67.5	50.9	24.8
Perlis	62.7	17.6	58.1	74.9	81.9	81.7	83.7	75.1	73.0	58.1	31.9
Selangor	77.6	56.5	61.3	95.1	86.7	81.4	96.8	80.1	80.0	67.0	42.2
Terengganu	60.9	13.4	66.9	72.5	74.8	75.2	78.4	76.7	72.8	48.5	23.3
Sabah	69.2	28.1	73.6	83.4	85.7	84.5	76.9	62.6	71.1	63.9	48.3
Sarawak	69.8	19.9	67.4	76.8	91.5	87.8	86.0	80.1	73.4	59.3	45.8
W.P. Kuala Lumpur	74.2	12.1	59.5	83.0	90.7	93.7	94.1	92.1	81.3	48.1	24.5
W.P. Labuan	68.3	7.2	85.3	79.4	72.1	80.2	78.3	78.2	73.0	56.9	45.1
W.P. Putrajaya	78.6	5.0	36.5	83.1	88.7	95.8	95.3	93.8	97.3	82.9	74.0

Jadual B1.4: Kadar penyertaan tenaga buruh mengikut negeri, kumpulan umur dan strata, Malaysia, 2023 (samb.)

Table B1.4: Labour force participation rate by state, age group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah (%) Total	65.5	18.3	70.0	81.5	78.4	79.5	78.9	76.0	69.5	62.5	39.3
Johor	70.8	13.2	89.8	89.0	84.2	80.5	76.1	76.0	69.3	60.0	59.2
Kedah	61.1	12.8	65.9	75.9	74.5	75.1	71.4	72.6	64.4	62.8	44.5
Kelantan	53.3	10.4	48.5	64.2	63.7	73.3	78.5	78.2	67.8	64.8	23.4
Melaka	67.0	17.3	78.5	85.1	48.3	91.5	93.7	69.1	70.8	59.8	30.6
Negeri Sembilan	62.0	12.7	70.7	79.8	82.2	83.1	77.0	70.0	59.6	49.5	29.1
Pahang	64.8	12.9	62.6	80.5	84.5	79.4	77.5	73.9	65.9	59.9	38.5
Pulau Pinang	59.9	15.4	65.0	83.4	76.9	70.3	71.3	63.0	64.0	48.9	21.9
Perak	65.3	14.1	78.2	89.4	80.7	80.6	81.4	73.5	56.8	53.5	32.7
Perlis	59.0	19.3	65.3	77.2	68.5	75.8	74.8	71.2	69.4	50.3	29.4
Selangor	73.4	20.9	76.0	98.8	98.0	86.6	91.9	60.7	84.9	57.6	34.0
Terengganu	57.6	15.3	56.2	70.0	61.6	74.9	75.1	74.9	68.9	54.6	35.2
Sabah	71.9	35.7	78.5	85.9	79.1	81.7	79.5	82.5	72.9	69.2	37.1
Sarawak	67.4	15.5	65.5	82.8	78.4	78.7	79.5	79.8	75.4	72.5	48.3
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	64.9	43.8	65.9	75.8	77.3	58.2	89.8	71.5	65.1	62.0	38.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B1.5: Kadar penyertaan tenaga buruh mengikut negeri dan pencapaian pendidikan, Malaysia, 2023

Table B1.5: Labour force participation rate by state and educational attainment, Malaysia, 2023

Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah (%) Total	70.0	31.1	68.2	70.8	79.5
Johor	71.3	77.9	67.5	70.0	75.2
Kedah	65.3	71.6	61.0	64.6	66.9
Kelantan	57.3	48.5	60.0	56.4	59.2
Melaka	70.1	52.1	65.3	67.9	75.0
Negeri Sembilan	66.1	52.7	61.4	63.4	71.6
Pahang	65.1	45.2	66.9	63.4	69.7
Pulau Pinang	71.3	55.1	59.3	70.3	75.9
Perak	66.0	52.5	63.2	64.4	70.8
Perlis	61.7	42.9	56.5	60.1	66.0
Selangor	77.4	71.9	76.8	74.5	81.2
Terengganu	60.0	53.9	62.9	56.5	65.8
Sabah	70.1	77.4	80.7	63.9	71.9
Sarawak	69.0	48.7	68.5	68.3	73.6
W.P. Kuala Lumpur	74.2	44.4	65.7	68.7	80.5
W.P. Labuan	67.9	61.2	64.0	62.4	79.1
W.P. Putrajaya	78.6	-	65.2	66.6	86.7

Jadual B1.6: Kadar penyertaan tenaga buruh mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2023

Table B1.6: Labour force participation rate by state, educational attainment and sex, Malaysia, 2023

Lelaki/Male					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah (%) Total	82.3	85.0	89.8	80.5	83.7
Johor	88.4	96.3	90.7	87.2	90.1
Kedah	79.9	90.0	89.1	80.4	75.7
Kelantan	71.3	65.6	82.1	73.1	66.6
Melaka	80.5	58.6	81.0	80.7	80.9
Negeri Sembilan	79.5	75.7	86.3	77.9	81.0
Pahang	80.2	62.4	91.1	79.9	77.5
Pulau Pinang	84.5	81.9	76.6	82.5	89.8
Perak	79.7	73.2	85.5	78.4	81.0
Perlis	76.1	59.5	83.0	76.6	75.1
Selangor	84.0	86.7	93.3	80.8	87.6
Terengganu	76.6	63.4	81.3	75.2	79.9
Sabah	83.0	94.4	95.1	77.5	78.9
Sarawak	84.2	74.3	90.3	82.8	85.9
W.P. Kuala Lumpur	80.6	50.5	84.2	76.6	85.0
W.P. Labuan	85.3	88.8	95.8	81.7	88.1
W.P. Putrajaya	78.1	-	-	71.3	85.1

Jadual B1.6: Kadar penyertaan tenaga buruh mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2023 (samb.)

Table B1.6: Labour force participation rate by state, educational attainment and sex, Malaysia, 2023 (cont'd)

Perempuan/Female					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah (%) Total	56.2	46.9	45.3	51.1	66.6
Johor	50.8	42.2	27.3	48.0	61.8
Kedah	49.8	37.8	34.9	46.6	59.2
Kelantan	43.2	28.4	36.9	37.6	53.1
Melaka	58.0	42.6	40.4	51.1	69.8
Negeri Sembilan	51.4	28.6	35.0	45.7	62.4
Pahang	47.3	25.2	31.7	42.2	62.4
Pulau Pinang	57.4	29.5	42.7	55.8	63.7
Perak	50.4	29.8	30.8	46.8	62.2
Perlis	47.3	25.9	39.3	41.8	58.0
Selangor	69.7	51.5	55.3	66.1	74.8
Terengganu	42.0	32.6	41.1	34.3	53.6
Sabah	55.9	60.2	63.5	47.7	65.5
Sarawak	52.4	35.2	44.8	50.1	63.3
W.P. Kuala Lumpur	66.5	26.5	33.1	58.5	75.8
W.P. Labuan	50.0	38.1	37.4	41.7	69.8
W.P. Putrajaya	79.2	-	65.2	60.4	87.8

Jadual B1.7: Kadar penyertaan tenaga buruh mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2023

Table B1.7: Labour force participation rate by state, educational attainment and strata, Malaysia, 2023

Bandar/Urban					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah (%) Total	71.1	69.9	67.7	68.4	75.9
Johor	71.4	80.4	65.7	70.3	75.0
Kedah	66.5	78.2	60.0	65.5	68.5
Kelantan	60.5	46.2	64.6	59.8	61.8
Melaka	70.2	51.1	65.0	68.0	75.2
Negeri Sembilan	67.2	60.0	61.2	64.5	71.9
Pahang	65.3	46.8	53.4	62.6	72.9
Pulau Pinang	71.7	55.2	59.4	70.9	76.1
Perak	66.1	50.6	57.9	64.9	71.0
Perlis	62.7	43.2	59.0	60.9	66.7
Selangor	77.6	73.6	75.6	74.9	81.2
Terengganu	60.9	58.5	60.3	56.2	68.5
Sabah	69.2	81.6	80.8	62.5	71.2
Sarawak	69.8	30.1	60.7	69.6	75.0
W.P. Kuala Lumpur	74.2	44.4	65.7	68.7	80.5
W.P. Labuan	68.3	62.0	64.1	63.1	78.8
W.P. Putrajaya	78.6	-	65.2	66.6	86.7

Jadual B1.7: Kadar penyertaan tenaga buruh mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2023 (samb.)

Table B1.7: Labour force participation rate by state, educational attainment and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah (%) Total	65.5	61.9	74.3	63.3	66.3
Johor	70.8	59.5	72.8	68.8	76.5
Kedah	61.1	57.9	62.5	61.8	58.5
Kelantan	53.3	49.7	56.9	52.4	54.9
Melaka	67.0	62.5	69.9	65.4	70.1
Negeri Sembilan	62.0	38.3	61.9	59.5	69.5
Pahang	64.8	44.0	74.8	64.7	58.9
Pulau Pinang	59.9	53.2	55.0	56.5	69.0
Perak	65.3	56.8	73.5	62.2	69.1
Perlis	59.0	41.9	52.7	58.4	63.2
Selangor	73.4	52.4	82.7	69.0	80.5
Terengganu	57.6	46.9	66.3	57.0	57.3
Sabah	71.9	70.8	80.5	66.8	74.1
Sarawak	67.4	58.2	74.6	65.8	68.1
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	64.9	56.0	63.6	57.2	81.6
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B1.8: Kadar penyertaan tenaga buruh mengikut negeri dan sijil tertinggi diperolehi, Malaysia, 2023

Table B1.8: Labour force participation rate by state and highest certificate obtained, Malaysia, 2023

Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/ UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah (%) Total	70.0	56.7	48.5	71.8	60.3	86.6	80.2	87.9	70.1	66.8
Johor	71.3	54.4	51.3	75.1	64.9	85.7	81.3	88.9	60.1	77.8
Kedah	65.3	51.8	46.4	67.5	48.9	82.9	77.2	87.3	55.1	71.4
Kelantan	57.3	38.2	35.9	61.5	42.0	84.4	70.7	83.2	60.2	46.3
Melaka	70.1	52.9	48.4	70.3	56.3	90.0	84.7	90.4	53.6	52.9
Negeri Sembilan	66.1	52.0	43.6	67.5	44.8	84.2	79.6	84.7	55.9	52.3
Pahang	65.1	49.8	41.7	69.9	53.8	84.8	80.1	86.6	73.0	45.9
Pulau Pinang	71.3	46.6	48.0	75.8	56.3	84.5	79.5	88.2	67.3	54.9
Perak	66.0	51.6	43.3	70.5	57.2	83.0	77.2	86.4	57.4	52.3
Perlis	61.7	47.6	41.5	63.8	45.5	79.9	73.9	85.3	51.9	42.9
Selangor	77.4	68.8	63.7	75.0	71.9	91.6	82.7	88.7	79.0	71.9
Terengganu	60.0	45.7	33.1	61.3	50.4	82.1	73.8	79.5	60.8	53.7
Sabah	70.1	66.6	45.4	70.9	66.0	90.0	80.2	87.0	81.9	77.2
Sarawak	69.0	61.2	52.2	74.5	65.2	90.6	82.3	88.3	62.2	48.5
W.P. Kuala Lumpur	74.2	43.5	40.7	73.7	56.5	90.2	80.3	89.8	70.0	43.5
W.P. Labuan	67.9	49.0	44.7	68.7	71.2	94.2	83.4	92.7	75.4	61.2
W.P. Putrajaya	78.6	4.9	25.2	81.4	88.9	100.0	88.8	88.9	-	-

Jadual B1.9: Kadar penyertaan tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2023

Table B1.9: Labour force participation rate by state, highest certificate obtained and sex, Malaysia, 2023

Lelaki/Male Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/ UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah (%) Total	82.3	71.2	60.1	87.3	75.2	92.8	88.4	92.3	87.1	84.9
Johor	88.4	75.5	72.3	93.7	86.3	94.1	93.6	96.6	81.2	96.3
Kedah	79.9	70.1	60.6	85.3	56.7	91.6	87.6	92.1	76.4	90.0
Kelantan	71.3	54.3	49.9	79.9	50.3	90.1	81.5	87.2	79.8	63.2
Melaka	80.5	67.7	62.5	83.3	79.7	96.0	91.8	91.7	79.3	58.6
Negeri Sembilan	79.5	72.5	54.8	83.0	61.8	93.9	89.7	90.4	80.7	75.7
Pahang	80.2	70.9	57.8	87.3	62.8	94.3	85.9	90.6	94.6	63.8
Pulau Pinang	84.5	62.6	64.0	89.5	78.0	90.2	93.4	96.2	76.7	81.8
Perak	79.7	68.2	57.7	87.1	73.8	95.6	87.5	87.3	82.5	72.4
Perlis	76.1	58.6	54.2	81.5	61.8	86.5	89.5	91.5	94.1	59.5
Selangor	84.0	65.5	56.0	87.9	81.8	93.4	89.8	92.9	91.9	86.7
Terengganu	76.6	59.3	47.9	83.5	74.0	91.6	90.0	82.8	79.2	63.2
Sabah	83.0	81.3	58.4	86.0	78.2	89.0	80.8	90.6	93.8	94.3
Sarawak	84.2	78.9	68.2	90.9	88.2	93.4	91.1	93.2	82.9	74.2
W.P. Kuala Lumpur	80.6	60.9	55.1	81.5	64.3	89.4	80.9	92.3	81.7	48.7
W.P. Labuan	85.3	80.0	59.6	87.5	81.5	100.0	96.6	99.4	99.0	88.8
W.P. Putrajaya	78.1	-	31.0	86.1	88.7	100.0	87.4	86.0	-	-

Jadual B1.9: Kadar penyertaan tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2023 (samb.)

Table B1.9: Labour force participation rate by state, highest certificate obtained and sex, Malaysia, 2023 (cont'd)

Perempuan/Female Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/ UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah (%) Total	56.2	38.4	33.3	53.8	48.0	74.7	72.7	83.6	48.4	46.7
Johor	50.8	22.4	22.6	53.4	44.9	71.0	69.9	81.4	22.6	42.2
Kedah	49.8	30.8	28.9	48.8	43.6	62.4	67.2	83.5	39.9	37.3
Kelantan	43.2	21.1	17.7	41.8	36.8	72.4	60.8	80.7	38.0	27.9
Melaka	58.0	31.9	25.5	54.7	41.2	77.6	78.9	89.2	32.9	44.3
Negeri Sembilan	51.4	28.9	29.7	49.4	35.3	64.7	68.7	79.3	28.7	27.3
Pahang	47.3	24.4	20.1	48.4	47.8	63.4	74.1	83.3	30.0	25.6
Pulau Pinang	57.4	28.2	26.8	61.1	41.0	71.9	66.3	80.8	59.3	29.5
Perak	50.4	28.7	22.9	52.0	43.1	65.0	68.3	85.6	23.4	30.6
Perlis	47.3	36.9	25.4	45.5	37.2	67.9	58.1	80.8	25.9	25.9
Selangor	69.7	73.3	74.7	59.4	59.4	88.1	76.4	84.2	57.1	51.5
Terengganu	42.0	26.8	14.4	37.2	37.7	60.1	58.4	77.2	39.4	32.6
Sabah	55.9	48.7	31.6	53.1	57.4	91.8	79.5	83.4	68.3	59.9
Sarawak	52.4	39.6	31.7	55.8	50.0	85.6	74.2	83.8	41.6	35.1
W.P. Kuala Lumpur	66.5	23.9	23.4	64.2	48.5	91.4	79.9	86.5	36.0	28.5
W.P. Labuan	50.0	24.6	26.5	48.2	64.4	80.8	68.5	86.6	57.4	38.1
W.P. Putrajaya	79.2	8.6	17.1	75.4	89.1	100.0	89.7	91.3	-	-

Jadual B1.10: Kadar penyertaan tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2023
Table B1.10: Labour force participation rate by state, highest certificate obtained and strata, Malaysia, 2023

Bandar/Urban Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/ UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah (%) Total	71.1	54.3	47.8	72.6	60.8	87.2	80.5	88.1	67.3	69.9
Johor	71.4	53.6	50.5	75.2	63.1	84.2	81.8	88.6	53.0	80.4
Kedah	66.5	49.2	44.3	68.1	49.3	83.6	77.9	88.4	58.4	77.9
Kelantan	60.5	35.6	37.5	64.4	42.0	87.9	72.7	84.5	68.1	46.6
Melaka	70.2	51.8	47.7	70.5	57.1	89.7	84.8	90.7	53.9	52.0
Negeri Sembilan	67.2	51.4	43.3	68.6	43.8	87.0	79.8	84.9	56.3	59.4
Pahang	65.3	40.7	36.4	69.5	58.5	85.5	82.5	87.5	50.9	47.2
Pulau Pinang	71.7	46.8	48.4	76.4	56.4	85.0	79.4	88.2	67.6	55.0
Perak	66.1	49.7	41.3	71.0	56.3	82.3	76.9	86.3	48.6	50.3
Perlis	62.7	49.9	40.8	63.7	41.3	87.0	72.3	84.5	57.8	43.2
Selangor	77.6	69.0	64.6	74.9	71.8	91.3	82.7	88.7	76.2	73.6
Terengganu	60.9	43.5	31.0	61.9	49.2	83.4	74.9	81.2	59.4	58.5
Sabah	69.2	61.3	38.4	70.5	64.0	91.0	78.2	85.9	82.5	81.5
Sarawak	69.8	53.3	48.0	76.9	65.2	90.8	81.3	87.6	53.0	29.4
W.P. Kuala Lumpur	74.2	43.5	40.7	73.7	56.5	90.2	80.3	89.8	70.0	43.5
W.P. Labuan	68.3	49.9	45.8	68.5	72.5	94.9	82.9	92.5	78.5	62.0
W.P. Putrajaya	78.6	4.9	25.2	81.4	88.9	100.0	88.8	88.9	-	-

Jadual B1.10: Kadar penyertaan tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2023 (samb.)
Table B1.10: Labour force participation rate by state, highest certificate obtained and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/ UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah (%) Total	65.5	62.4	50.4	68.0	57.6	84.0	77.4	85.8	74.6	61.2
Johor	70.8	57.9	54.2	74.8	71.6	90.4	78.2	91.7	73.3	58.2
Kedah	61.1	56.9	50.4	65.1	47.3	79.9	73.0	78.5	48.8	57.9
Kelantan	53.3	40.4	34.2	57.7	41.9	80.2	67.2	80.7	54.9	46.1
Melaka	67.0	70.9	61.7	64.8	41.2	100.0	83.3	76.8	49.9	62.5
Negeri Sembilan	62.0	53.8	44.4	63.3	53.7	75.7	78.8	83.5	54.9	38.3
Pahang	64.8	59.7	48.6	70.7	41.4	82.6	71.3	82.3	79.9	44.9
Pulau Pinang	59.9	41.5	38.8	60.3	52.8	76.6	80.9	86.2	55.4	53.2
Perak	65.3	57.3	50.2	68.0	63.8	87.7	80.1	87.0	73.0	56.8
Perlis	59.0	43.9	42.9	63.9	54.8	63.5	80.8	90.0	39.6	41.9
Selangor	73.4	66.9	52.4	75.3	74.0	95.1	82.9	89.5	88.1	52.4
Terengganu	57.6	49.8	37.5	60.0	53.8	78.1	69.7	73.0	62.5	46.5
Sabah	71.9	72.4	56.9	71.8	70.0	87.2	87.7	91.8	81.2	70.1
Sarawak	67.4	68.5	58.3	69.0	65.2	89.8	87.0	92.8	69.0	58.2
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	64.9	44.6	36.2	70.4	56.8	91.8	87.3	94.4	58.1	56.0
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B2.1: Tenaga buruh mengikut negeri, strata dan jantina, Malaysia, 2023

Table B2.1: Labour force by state, strata and sex, Malaysia, 2023

Negeri State	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total	16,366.8	10,188.5	6,178.3	13,505.4	8,212.6	5,292.9	2,861.4	1,975.9	885.4
Johor	2,071.3	1,400.6	670.8	1,704.9	1,135.6	569.3	366.5	265.0	101.5
Kedah	955.1	600.2	354.9	747.7	448.1	299.6	207.4	152.1	55.3
Kelantan	685.3	427.7	257.6	404.3	236.7	167.6	281.0	191.0	90.0
Melaka	508.1	312.6	195.5	490.6	300.8	189.8	17.6	11.9	5.7
Negeri Sembilan	553.9	349.3	204.6	450.8	280.0	170.8	103.1	69.3	33.7
Pahang	735.7	491.2	244.5	470.4	290.3	180.2	265.2	200.9	64.3
Pulau Pinang	926.2	562.8	363.3	900.3	546.0	354.3	25.8	16.8	9.0
Perak	1,148.8	737.1	411.6	944.7	590.3	354.4	204.1	146.8	57.3
Perlis	130.6	80.4	50.3	95.9	58.7	37.2	34.8	21.7	13.0
Selangor	3,967.6	2,321.9	1,645.7	3,781.4	2,189.4	1,592.0	186.2	132.5	53.7
Terengganu	478.7	317.2	161.5	346.4	224.8	121.6	132.3	92.5	39.9
Sabah	1,754.0	1,090.7	663.3	1,139.3	689.8	449.5	614.7	400.9	213.7
Sarawak	1,234.6	784.9	449.7	817.6	514.3	303.3	417.0	270.6	146.4
W.P. Kuala Lumpur	1,111.7	654.0	457.8	1,111.7	654.0	457.8	n.a.	n.a.	n.a.
W.P. Labuan	46.5	29.6	16.9	40.8	25.8	15.1	5.7	3.9	1.8
W.P. Putrajaya	58.6	28.2	30.5	58.6	28.2	30.5	n.a.	n.a.	n.a.
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.7	13.7	10.9	12.6	13.8	10.8	12.8	13.4	11.5
Kedah	5.8	5.9	5.7	5.5	5.5	5.7	7.2	7.7	6.2
Kelantan	4.2	4.2	4.2	3.0	2.9	3.2	9.8	9.7	10.2
Melaka	3.1	3.1	3.2	3.6	3.7	3.6	0.6	0.6	0.6
Negeri Sembilan	3.4	3.4	3.3	3.3	3.4	3.2	3.6	3.5	3.8
Pahang	4.5	4.8	4.0	3.5	3.5	3.4	9.3	10.2	7.3
Pulau Pinang	5.7	5.5	5.9	6.7	6.6	6.7	0.9	0.9	1.0
Perak	7.0	7.2	6.7	7.0	7.2	6.7	7.1	7.4	6.5
Perlis	0.8	0.8	0.8	0.7	0.7	0.7	1.2	1.1	1.5
Selangor	24.2	22.8	26.6	28.0	26.7	30.1	6.5	6.7	6.1
Terengganu	2.9	3.1	2.6	2.6	2.7	2.3	4.6	4.7	4.5
Sabah	10.7	10.7	10.7	8.4	8.4	8.5	21.5	20.3	24.1
Sarawak	7.5	7.7	7.3	6.1	6.3	5.7	14.6	13.7	16.5
W.P. Kuala Lumpur	6.8	6.4	7.4	8.2	8.0	8.6	n.a.	n.a.	n.a.
W.P. Labuan	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
W.P. Putrajaya	0.4	0.3	0.5	0.4	0.3	0.6	n.a.	n.a.	n.a.

Jadual B2.2: Tenaga buruh mengikut negeri dan kumpulan umur, Malaysia, 2023

Table B2.2: Labour force by state and age group, Malaysia, 2023

Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	16,366.8	711.4	1,986.0	2,499.9	2,484.3	2,402.5	2,154.8	1,549.5	1,234.7	880.2	463.6
Johor	2,071.3	96.6	279.6	318.8	312.6	289.8	246.0	191.4	154.6	118.6	63.3
Kedah	955.1	33.5	138.5	193.5	138.7	110.5	93.3	86.2	74.5	55.2	31.2
Kelantan	685.3	22.1	87.8	116.8	95.5	89.8	76.2	66.1	57.6	49.4	24.0
Melaka	508.1	10.1	69.9	86.9	98.6	66.8	70.7	46.0	30.6	19.5	9.1
Negeri Sembilan	553.9	16.9	71.0	80.8	90.3	91.8	71.6	51.8	38.7	27.0	13.8
Pahang	735.7	16.7	94.0	107.2	106.9	113.5	107.3	76.4	54.5	37.1	22.0
Pulau Pinang	926.2	17.4	102.3	151.9	147.9	134.2	119.6	94.8	77.4	57.6	23.2
Perak	1,148.8	33.7	172.0	172.9	164.5	163.1	146.1	116.4	82.7	64.5	32.9
Perlis	130.6	5.9	19.1	21.0	15.1	17.1	17.9	14.4	9.2	7.3	3.8
Selangor	3,967.6	272.9	362.2	563.0	583.8	595.7	586.2	363.5	311.6	217.7	111.0
Terengganu	478.7	15.5	75.5	70.4	66.6	67.9	60.6	46.8	38.7	25.1	11.6
Sabah	1,754.0	110.8	284.1	316.9	271.8	244.7	185.1	119.2	101.4	75.5	44.6
Sarawak	1,234.6	39.1	145.6	175.2	192.2	172.6	146.6	121.5	106.0	83.9	51.9
W.P. Kuala Lumpur	1,111.7	18.8	75.5	113.2	186.5	221.3	206.2	144.2	90.5	37.1	18.3
W.P. Labuan	46.5	1.0	7.2	6.8	6.3	7.8	6.3	4.1	3.2	2.3	1.5
W.P. Putrajaya	58.6	0.4	1.6	4.6	7.0	16.0	15.0	6.7	3.6	2.3	1.4
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.7	13.6	14.1	12.8	12.6	12.1	11.4	12.3	12.5	13.5	13.7
Kedah	5.8	4.7	7.0	7.7	5.6	4.6	4.3	5.6	6.0	6.3	6.7
Kelantan	4.2	3.1	4.4	4.7	3.8	3.7	3.5	4.3	4.7	5.6	5.2
Melaka	3.1	1.4	3.5	3.5	4.0	2.8	3.3	3.0	2.5	2.2	2.0
Negeri Sembilan	3.4	2.4	3.6	3.2	3.6	3.8	3.3	3.3	3.1	3.1	3.0
Pahang	4.5	2.3	4.7	4.3	4.3	4.7	5.0	4.9	4.4	4.2	4.8
Pulau Pinang	5.7	2.4	5.2	6.1	6.0	5.6	5.5	6.1	6.3	6.5	5.0
Perak	7.0	4.7	8.7	6.9	6.6	6.8	6.8	7.5	6.7	7.3	7.1
Perlis	0.8	0.8	1.0	0.8	0.6	0.7	0.8	0.9	0.7	0.8	0.8
Selangor	24.2	38.4	18.2	22.5	23.5	24.8	27.2	23.5	25.2	24.7	23.9
Terengganu	2.9	2.2	3.8	2.8	2.7	2.8	2.8	3.0	3.1	2.9	2.5
Sabah	10.7	15.6	14.3	12.7	10.9	10.2	8.6	7.7	8.2	8.6	9.6
Sarawak	7.5	5.5	7.3	7.0	7.7	7.2	6.8	7.8	8.6	9.5	11.2
W.P. Kuala Lumpur	6.8	2.6	3.8	4.5	7.5	9.2	9.6	9.3	7.3	4.2	3.9
W.P. Labuan	0.3	0.1	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
W.P. Putrajaya	0.4	0.1	0.1	0.2	0.3	0.7	0.7	0.4	0.3	0.3	0.3

Jadual B2.3: Tenaga buruh mengikut negeri, kumpulan umur dan jantina, Malaysia, 2023

Table B2.3: Labour force by state, age group and sex, Malaysia, 2023

Lelaki/Male											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	10,188.5	399.3	1,282.3	1,495.3	1,499.2	1,487.6	1,299.8	978.5	802.3	615.2	328.8
Johor	1,400.6	81.2	202.0	215.0	192.4	178.8	156.7	128.2	107.9	87.4	51.0
Kedah	600.2	20.0	83.9	115.1	86.8	70.6	58.9	53.7	46.8	40.9	23.5
Kelantan	427.7	17.0	50.1	71.2	57.0	57.9	48.8	40.5	35.2	33.3	16.9
Melaka	312.7	7.1	45.2	46.7	62.9	40.8	47.9	24.5	18.0	12.9	6.8
Negeri Sembilan	349.3	12.3	45.4	48.6	57.0	57.3	44.5	30.4	24.3	19.4	10.3
Pahang	491.2	11.4	57.8	64.3	71.6	79.5	73.1	50.2	38.6	27.1	17.6
Pulau Pinang	562.8	14.2	75.0	91.1	75.7	74.8	68.6	56.6	51.9	37.3	17.6
Perak	737.1	25.2	116.2	99.1	102.6	104.0	93.1	72.9	54.5	45.4	24.1
Perlis	80.4	3.5	11.9	13.2	9.8	10.4	11.8	7.3	5.2	4.7	2.7
Selangor	2,321.9	79.8	215.2	327.5	354.3	375.0	320.8	244.3	191.7	152.2	61.2
Terengganu	317.2	10.8	51.4	49.4	41.7	44.3	39.1	29.3	25.2	17.4	8.6
Sabah	1,090.7	71.8	166.3	170.2	167.6	150.2	120.5	77.9	72.3	56.3	37.5
Sarawak	784.9	26.9	107.6	106.9	115.3	106.3	88.5	73.4	67.8	56.0	36.4
W.P. Kuala Lumpur	654.0	17.3	49.9	71.0	96.9	125.4	115.8	83.2	59.2	22.2	13.0
W.P. Labuan	29.6	0.7	4.0	4.0	3.9	5.0	4.3	2.6	2.1	1.7	1.2
W.P. Putrajaya	28.2	0.3	0.5	2.1	3.6	7.3	7.5	3.6	1.8	0.9	0.5
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.7	20.3	15.8	14.4	12.8	12.0	12.1	13.1	13.4	14.2	15.5
Kedah	5.9	5.0	6.5	7.7	5.8	4.7	4.5	5.5	5.8	6.6	7.1
Kelantan	4.2	4.3	3.9	4.8	3.8	3.9	3.8	4.1	4.4	5.4	5.1
Melaka	3.1	1.8	3.5	3.1	4.2	2.7	3.7	2.5	2.2	2.1	2.1
Negeri Sembilan	3.4	3.1	3.5	3.2	3.8	3.9	3.4	3.1	3.0	3.2	3.1
Pahang	4.8	2.8	4.5	4.3	4.8	5.3	5.6	5.1	4.8	4.4	5.4
Pulau Pinang	5.5	3.6	5.9	6.1	5.0	5.0	5.3	5.8	6.5	6.1	5.4
Perak	7.2	6.3	9.1	6.6	6.8	7.0	7.2	7.4	6.8	7.4	7.3
Perlis	0.8	0.9	0.9	0.9	0.7	0.7	0.9	0.7	0.6	0.8	0.8
Selangor	22.8	20.0	16.8	21.9	23.6	25.2	24.7	25.0	23.9	24.7	18.6
Terengganu	3.1	2.7	4.0	3.3	2.8	3.0	3.0	3.0	3.1	2.8	2.6
Sabah	10.7	18.0	13.0	11.4	11.2	10.1	9.3	8.0	9.0	9.2	11.4
Sarawak	7.7	6.7	8.4	7.1	7.7	7.1	6.8	7.5	8.5	9.1	11.1
W.P. Kuala Lumpur	6.4	4.3	3.9	4.7	6.5	8.4	8.9	8.5	7.4	3.6	4.0
W.P. Labuan	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
W.P. Putrajaya	0.3	0.1	0.0	0.1	0.2	0.5	0.6	0.4	0.2	0.2	0.1

Jadual B2.3: Tenaga buruh mengikut negeri, kumpulan umur dan jantina, Malaysia, 2023 (samb.)

Table B2.3: *Labour force by state, age group and sex, Malaysia, 2023 (cont'd)*

Perempuan/Female											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	6,178.3	312.1	703.7	1,004.5	985.1	914.9	855.0	571.0	432.3	265.0	134.8
Johor	670.8	15.4	77.6	103.9	120.2	111.0	89.3	63.2	46.7	31.2	12.3
Kedah	354.9	13.5	54.6	78.3	51.9	39.9	34.3	32.5	27.8	14.3	7.7
Kelantan	257.6	5.1	37.8	45.6	38.5	32.0	27.4	25.7	22.4	16.1	7.1
Melaka	195.5	3.0	24.7	40.2	35.7	26.0	22.9	21.5	12.5	6.6	2.3
Negeri Sembilan	204.6	4.6	25.6	32.2	33.4	34.5	27.1	21.4	14.4	7.6	3.6
Pahang	244.5	5.3	36.3	42.9	35.3	34.0	34.2	26.2	15.9	10.0	4.4
Pulau Pinang	363.3	3.2	27.3	60.8	72.2	59.4	51.0	38.2	25.5	20.3	5.5
Perak	411.6	8.5	55.7	73.8	61.8	59.0	53.0	43.5	28.2	19.1	8.8
Perlis	50.3	2.4	7.2	7.8	5.3	6.7	6.1	7.1	4.0	2.6	1.1
Selangor	1,645.7	193.1	147.0	235.4	229.5	220.8	265.4	119.2	120.0	65.5	49.8
Terengganu	161.5	4.7	24.2	21.0	24.9	23.6	21.5	17.5	13.5	7.7	2.9
Sabah	663.3	39.0	117.8	146.6	104.2	94.5	64.6	41.2	29.2	19.1	7.1
Sarawak	449.7	12.3	38.0	68.4	76.9	66.3	58.1	48.2	38.2	27.9	15.5
W.P. Kuala Lumpur	457.8	1.6	25.6	42.2	89.6	95.9	90.4	61.0	31.3	15.0	5.3
W.P. Labuan	16.9	0.3	3.2	2.7	2.4	2.7	2.0	1.5	1.1	0.6	0.3
W.P. Putrajaya	30.5	0.1	1.2	2.5	3.5	8.7	7.5	3.0	1.8	1.3	1.0
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	10.9	4.9	11.0	10.3	12.2	12.1	10.4	11.1	10.8	11.8	9.1
Kedah	5.7	4.3	7.8	7.8	5.3	4.4	4.0	5.7	6.4	5.4	5.7
Kelantan	4.2	1.6	5.4	4.5	3.9	3.5	3.2	4.5	5.2	6.1	5.3
Melaka	3.2	1.0	3.5	4.0	3.6	2.8	2.7	3.8	2.9	2.5	1.7
Negeri Sembilan	3.3	1.5	3.6	3.2	3.4	3.8	3.2	3.8	3.3	2.9	2.7
Pahang	4.0	1.7	5.2	4.3	3.6	3.7	4.0	4.6	3.7	3.8	3.3
Pulau Pinang	5.9	1.0	3.9	6.1	7.3	6.5	6.0	6.7	5.9	7.7	4.1
Perak	6.7	2.7	7.9	7.3	6.3	6.5	6.2	7.6	6.5	7.2	6.5
Perlis	0.8	0.8	1.0	0.8	0.5	0.7	0.7	1.2	0.9	1.0	0.8
Selangor	26.6	61.9	20.9	23.4	23.3	24.1	31.0	20.9	27.7	24.7	37.0
Terengganu	2.6	1.5	3.4	2.1	2.5	2.6	2.5	3.1	3.1	2.9	2.2
Sabah	10.7	12.5	16.7	14.6	10.6	10.3	7.6	7.2	6.7	7.2	5.3
Sarawak	7.3	3.9	5.4	6.8	7.8	7.2	6.8	8.4	8.8	10.5	11.5
W.P. Kuala Lumpur	7.4	0.5	3.6	4.2	9.1	10.5	10.6	10.7	7.2	5.7	3.9
W.P. Labuan	0.3	0.1	0.5	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.3
W.P. Putrajaya	0.5	0.0	0.2	0.2	0.4	0.9	0.9	0.5	0.4	0.5	0.7

Jadual B2.4: Tenaga buruh mengikut negeri, kumpulan umur dan strata, Malaysia, 2023

Table B2.4: Labour force by state, age group and strata, Malaysia, 2023

Bandar/Urban											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	13,505.4	604.9	1,550.8	2,049.5	2,077.5	2,010.3	1,834.9	1,297.6	1,021.5	696.1	362.3
Johor	1,704.9	88.5	208.7	261.3	262.3	246.8	210.1	161.8	127.9	95.5	42.2
Kedah	747.7	27.8	105.4	153.2	111.8	88.3	76.1	67.3	58.2	39.6	20.0
Kelantan	404.3	13.0	47.2	74.5	59.3	53.8	44.7	36.5	34.0	25.2	16.2
Melaka	490.6	9.6	66.9	84.5	96.3	63.9	68.0	44.5	29.5	18.5	8.8
Negeri Sembilan	450.8	14.2	58.6	65.9	72.6	74.9	58.6	43.8	31.9	20.5	9.9
Pahang	470.4	10.0	64.9	68.3	64.4	68.4	72.4	49.5	36.7	22.5	13.5
Pulau Pinang	900.3	16.7	98.0	147.8	144.1	130.8	116.7	93.1	74.9	55.8	22.5
Perak	944.7	28.1	143.8	138.9	135.5	132.1	120.8	97.9	69.7	52.1	25.9
Perlis	95.9	4.0	13.1	15.1	11.4	12.4	13.6	11.1	7.2	5.5	2.6
Selangor	3,781.4	266.3	343.0	534.4	550.8	563.3	561.2	353.2	297.0	206.8	105.3
Terengganu	346.4	10.3	55.7	50.4	52.3	49.2	44.4	32.1	27.2	17.3	7.4
Sabah	1,139.3	69.5	169.8	218.4	182.8	164.2	120.4	72.8	63.7	46.6	31.0
Sarawak	817.6	27.2	92.2	112.9	134.8	118.0	101.3	79.5	66.8	49.1	35.8
W.P. Kuala Lumpur	1,111.7	18.8	75.5	113.2	186.5	221.3	206.2	144.2	90.5	37.1	18.3
W.P. Labuan	40.8	0.4	6.5	6.0	5.7	7.1	5.4	3.7	2.7	1.9	1.4
W.P. Putrajaya	58.6	0.4	1.6	4.6	7.0	16.0	15.0	6.7	3.6	2.3	1.4
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.6	14.6	13.5	12.7	12.6	12.3	11.4	12.5	12.5	13.7	11.7
Kedah	5.5	4.6	6.8	7.5	5.4	4.4	4.2	5.2	5.7	5.7	5.5
Kelantan	3.0	2.2	3.0	3.6	2.9	2.7	2.4	2.8	3.3	3.6	4.5
Melaka	3.6	1.6	4.3	4.1	4.6	3.2	3.7	3.4	2.9	2.7	2.4
Negeri Sembilan	3.3	2.3	3.8	3.2	3.5	3.7	3.2	3.4	3.1	2.9	2.7
Pahang	3.5	1.7	4.2	3.3	3.1	3.4	3.9	3.8	3.6	3.2	3.7
Pulau Pinang	6.7	2.8	6.3	7.2	6.9	6.5	6.4	7.2	7.3	8.0	6.2
Perak	7.0	4.6	9.3	6.8	6.5	6.6	6.6	7.5	6.8	7.5	7.2
Perlis	0.7	0.7	0.8	0.7	0.5	0.6	0.7	0.9	0.7	0.8	0.7
Selangor	28.0	44.0	22.1	26.1	26.5	28.0	30.6	27.2	29.1	29.7	29.1
Terengganu	2.6	1.7	3.6	2.5	2.5	2.4	2.4	2.5	2.7	2.5	2.1
Sabah	8.4	11.5	10.9	10.7	8.8	8.2	6.6	5.6	6.2	6.7	8.6
Sarawak	6.1	4.5	5.9	5.5	6.5	5.9	5.5	6.1	6.5	7.1	9.9
W.P. Kuala Lumpur	8.2	3.1	4.9	5.5	9.0	11.0	11.2	11.1	8.9	5.3	5.0
W.P. Labuan	0.3	0.1	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4
W.P. Putrajaya	0.4	0.1	0.1	0.2	0.3	0.8	0.8	0.5	0.4	0.3	0.4

Jadual B2.4: Tenaga buruh mengikut negeri, kumpulan umur dan strata, Malaysia, 2023 (samb.)

Table B2.4: Labour force by state, age group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	2,861.4	106.5	435.2	450.4	406.8	392.2	319.9	251.9	213.1	184.1	101.4
Johor	366.5	8.1	71.0	57.6	50.3	43.1	35.9	29.6	26.7	23.1	21.1
Kedah	207.4	5.8	33.1	40.3	26.9	22.2	17.1	19.0	16.3	15.6	11.2
Kelantan	281.0	9.1	40.6	42.3	36.2	36.1	31.5	29.6	23.6	24.3	7.8
Melaka	17.6	0.4	2.9	2.4	2.3	2.9	2.8	1.5	1.0	1.0	0.3
Negeri Sembilan	103.1	2.7	12.5	14.9	17.8	16.9	13.0	8.0	6.7	6.5	4.0
Pahang	265.2	6.7	29.2	38.9	42.6	45.2	34.9	26.9	17.8	14.7	8.5
Pulau Pinang	25.8	0.7	4.3	4.2	3.8	3.4	2.9	1.7	2.5	1.9	0.6
Perak	204.1	5.7	28.1	34.0	29.0	30.9	25.3	18.6	13.0	12.5	7.0
Perlis	34.8	1.9	6.0	5.9	3.7	4.7	4.3	3.3	2.0	1.8	1.2
Selangor	186.2	6.5	19.2	28.6	33.0	32.4	25.0	10.3	14.6	10.9	5.7
Terengganu	132.3	5.2	19.8	20.0	14.3	18.7	16.2	14.7	11.5	7.8	4.1
Sabah	614.7	41.3	114.3	98.4	89.0	80.5	64.7	46.3	37.7	28.8	13.6
Sarawak	417.0	11.9	53.4	62.3	57.4	54.5	45.4	42.0	39.2	34.8	16.0
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	5.7	0.6	0.7	0.7	0.6	0.7	0.9	0.4	0.5	0.5	0.2
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.8	7.6	16.3	12.8	12.4	11.0	11.2	11.8	12.5	12.6	20.8
Kedah	7.2	5.4	7.6	8.9	6.6	5.7	5.3	7.5	7.6	8.5	11.0
Kelantan	9.8	8.6	9.3	9.4	8.9	9.2	9.8	11.7	11.1	13.2	7.7
Melaka	0.6	0.4	0.7	0.5	0.6	0.7	0.9	0.6	0.5	0.5	0.3
Negeri Sembilan	3.6	2.5	2.9	3.3	4.4	4.3	4.1	3.2	3.2	3.6	3.9
Pahang	9.3	6.3	6.7	8.6	10.5	11.5	10.9	10.7	8.3	8.0	8.4
Pulau Pinang	0.9	0.6	1.0	0.9	0.9	0.9	0.9	0.7	1.2	1.0	0.6
Perak	7.1	5.3	6.5	7.5	7.1	7.9	7.9	7.4	6.1	6.8	6.9
Perlis	1.2	1.8	1.4	1.3	0.9	1.2	1.4	1.3	0.9	1.0	1.1
Selangor	6.5	6.1	4.4	6.3	8.1	8.3	7.8	4.1	6.9	5.9	5.7
Terengganu	4.6	4.9	4.6	4.4	3.5	4.8	5.1	5.8	5.4	4.3	4.1
Sabah	21.5	38.7	26.3	21.9	21.9	20.5	20.2	18.4	17.7	15.7	13.4
Sarawak	14.6	11.2	12.3	13.8	14.1	13.9	14.2	16.7	18.4	18.9	15.8
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.5	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B2.5: Tenaga buruh mengikut negeri dan pencapaian pendidikan, Malaysia, 2023

Table B2.5: *Labour force by state and educational attainment, Malaysia, 2023*

Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	16,366.8	407.3	1,316.6	8,885.4	5,757.6
Johor	2,071.3	38.9	157.7	1,304.4	570.4
Kedah	955.1	26.9	57.3	578.2	292.7
Kelantan	685.3	17.6	39.6	383.0	245.1
Melaka	508.1	4.2	26.6	287.1	190.2
Negeri Sembilan	553.9	5.1	32.5	295.8	220.6
Pahang	735.7	8.5	72.2	437.8	217.2
Pulau Pinang	926.2	14.3	47.2	521.6	343.1
Perak	1,148.8	14.0	105.5	670.8	358.4
Perlis	130.6	1.4	6.5	74.6	48.2
Selangor	3,967.6	18.3	156.8	2,018.6	1,773.9
Terengganu	478.7	10.4	29.9	259.7	178.7
Sabah	1,754.0	213.5	383.2	807.0	350.4
Sarawak	1,234.6	28.7	152.2	733.1	320.5
W.P. Kuala Lumpur	1,111.7	4.4	44.5	471.8	591.0
W.P. Labuan	46.5	1.1	4.9	23.1	17.3
W.P. Putrajaya	58.6	-	0.1	18.6	39.9
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	12.7	9.5	12.0	14.7	9.9
Kedah	5.8	6.6	4.4	6.5	5.1
Kelantan	4.2	4.3	3.0	4.3	4.3
Melaka	3.1	1.0	2.0	3.2	3.3
Negeri Sembilan	3.4	1.2	2.5	3.3	3.8
Pahang	4.5	2.1	5.5	4.9	3.8
Pulau Pinang	5.7	3.5	3.6	5.9	6.0
Perak	7.0	3.4	8.0	7.5	6.2
Perlis	0.8	0.3	0.5	0.8	0.8
Selangor	24.2	4.5	11.9	22.7	30.8
Terengganu	2.9	2.5	2.3	2.9	3.1
Sabah	10.7	52.4	29.1	9.1	6.1
Sarawak	7.5	7.0	11.6	8.3	5.6
W.P. Kuala Lumpur	6.8	1.1	3.4	5.3	10.3
W.P. Labuan	0.3	0.3	0.4	0.3	0.3
W.P. Putrajaya	0.4	-	0.0	0.2	0.7

Jadual B2.6: Tenaga buruh mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2023

Table B2.6: Labour force by state, educational attainment and sex, Malaysia, 2023

Lelaki/Male					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	10,188.5	272.7	940.5	5,886.2	3,089.2
Johor	1,400.6	31.7	134.4	911.2	323.3
Kedah	600.2	21.9	40.3	383.0	155.0
Kelantan	427.7	12.9	27.7	262.9	124.2
Melaka	312.6	2.8	20.2	193.5	96.1
Negeri Sembilan	349.3	3.7	23.5	199.4	122.7
Pahang	491.2	6.3	58.3	309.8	116.8
Pulau Pinang	562.8	10.4	29.8	332.9	189.8
Perak	737.1	10.2	84.6	454.6	187.7
Perlis	80.4	1.0	3.8	50.0	25.6
Selangor	2,321.9	12.8	107.6	1,252.0	949.4
Terengganu	317.2	8.4	21.0	187.2	100.5
Sabah	1,090.7	131.0	245.0	532.2	182.6
Sarawak	784.9	15.1	104.5	494.8	170.5
W.P. Kuala Lumpur	654.0	3.8	36.3	295.6	318.2
W.P. Labuan	29.6	0.8	3.4	15.6	9.9
W.P. Putrajaya	28.2	-	-	11.4	16.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	13.7	11.6	14.3	15.5	10.5
Kedah	5.9	8.0	4.3	6.5	5.0
Kelantan	4.2	4.7	2.9	4.5	4.0
Melaka	3.1	1.0	2.2	3.3	3.1
Negeri Sembilan	3.4	1.4	2.5	3.4	4.0
Pahang	4.8	2.3	6.2	5.3	3.8
Pulau Pinang	5.5	3.8	3.2	5.7	6.1
Perak	7.2	3.7	9.0	7.7	6.1
Perlis	0.8	0.4	0.4	0.8	0.8
Selangor	22.8	4.7	11.4	21.3	30.7
Terengganu	3.1	3.1	2.2	3.2	3.3
Sabah	10.7	48.0	26.1	9.0	5.9
Sarawak	7.7	5.6	11.1	8.4	5.5
W.P. Kuala Lumpur	6.4	1.4	3.9	5.0	10.3
W.P. Labuan	0.3	0.3	0.4	0.3	0.3
W.P. Putrajaya	0.3	-	-	0.2	0.5

Jadual B2.6: Tenaga buruh mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2023 (samb.)

Table B2.6: Labour force by state, educational attainment and sex, Malaysia, 2023 (cont'd)

Perempuan/Female					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	6,178.3	134.6	376.2	2,999.2	2,668.4
Johor	670.8	7.2	23.3	393.2	247.1
Kedah	354.9	5.0	17.0	195.1	137.7
Kelantan	257.6	4.8	11.9	120.1	120.9
Melaka	195.5	1.4	6.3	93.7	94.1
Negeri Sembilan	204.6	1.3	9.0	96.3	97.9
Pahang	244.5	2.2	13.9	128.0	100.3
Pulau Pinang	363.3	3.9	17.4	188.8	153.3
Perak	411.6	3.8	20.9	216.2	170.7
Perlis	50.3	0.4	2.7	24.6	22.5
Selangor	1,645.7	5.5	49.1	766.6	824.4
Terengganu	161.5	1.9	8.9	72.4	78.2
Sabah	663.3	82.5	138.2	274.8	167.8
Sarawak	449.7	13.6	47.7	238.3	150.1
W.P. Kuala Lumpur	457.8	0.7	8.1	176.2	272.8
W.P. Labuan	16.9	0.4	1.6	7.5	7.5
W.P. Putrajaya	30.5	-	0.1	7.3	23.1
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	10.9	5.3	6.2	13.1	9.3
Kedah	5.7	3.7	4.5	6.5	5.2
Kelantan	4.2	3.5	3.2	4.0	4.5
Melaka	3.2	1.0	1.7	3.1	3.5
Negeri Sembilan	3.3	1.0	2.4	3.2	3.7
Pahang	4.0	1.6	3.7	4.3	3.8
Pulau Pinang	5.9	2.9	4.6	6.3	5.7
Perak	6.7	2.8	5.6	7.2	6.4
Perlis	0.8	0.3	0.7	0.8	0.8
Selangor	26.6	4.1	13.1	25.6	30.9
Terengganu	2.6	1.4	2.4	2.4	2.9
Sabah	10.7	61.3	36.7	9.2	6.3
Sarawak	7.3	10.1	12.7	7.9	5.6
W.P. Kuala Lumpur	7.4	0.5	2.2	5.9	10.2
W.P. Labuan	0.3	0.3	0.4	0.2	0.3
W.P. Putrajaya	0.5	-	0.0	0.2	0.9

Jadual B2.7: Tenaga buruh mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2023

Table B2.7: Labour force by state, educational attainment and strata, Malaysia, 2023

Bandar/Urban					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	13,505.4	270.5	802.9	7,247.0	5,185.0
Johor	1,704.9	35.3	114.0	1,071.4	484.1
Kedah	747.7	19.8	34.1	440.4	253.4
Kelantan	404.3	6.2	17.1	221.3	159.8
Melaka	490.6	3.8	24.7	276.7	185.4
Negeri Sembilan	450.8	3.8	23.7	234.2	189.1
Pahang	470.4	3.8	21.4	269.2	176.1
Pulau Pinang	900.3	14.0	45.5	506.2	334.7
Perak	944.7	9.4	63.7	550.0	321.6
Perlis	95.9	1.1	4.1	52.3	38.4
Selangor	3,781.4	17.3	130.3	1,908.9	1,724.9
Terengganu	346.4	6.8	16.3	181.4	141.9
Sabah	1,139.3	137.8	200.2	534.3	267.1
Sarawak	817.6	6.0	59.1	490.0	262.4
W.P. Kuala Lumpur	1,111.7	4.4	44.5	471.8	591.0
W.P. Labuan	40.8	1.0	4.1	20.4	15.3
W.P. Putrajaya	58.6	-	0.1	18.6	39.9
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	12.6	13.1	14.2	14.8	9.3
Kedah	5.5	7.3	4.2	6.1	4.9
Kelantan	3.0	2.3	2.1	3.1	3.1
Melaka	3.6	1.4	3.1	3.8	3.6
Negeri Sembilan	3.3	1.4	3.0	3.2	3.6
Pahang	3.5	1.4	2.7	3.7	3.4
Pulau Pinang	6.7	5.2	5.7	7.0	6.5
Perak	7.0	3.5	7.9	7.6	6.2
Perlis	0.7	0.4	0.5	0.7	0.7
Selangor	28.0	6.4	16.2	26.3	33.3
Terengganu	2.6	2.5	2.0	2.5	2.7
Sabah	8.4	50.9	24.9	7.4	5.2
Sarawak	6.1	2.2	7.4	6.8	5.1
W.P. Kuala Lumpur	8.2	1.6	5.5	6.5	11.4
W.P. Labuan	0.3	0.4	0.5	0.3	0.3
W.P. Putrajaya	0.4	-	0.0	0.3	0.8

Jadual B2.7: Tenaga buruh mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2023 (samb.)

Table B2.7: Labour force by state, educational attainment and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	2,861.4	136.8	513.7	1,638.3	572.6
Johor	366.5	3.5	43.7	233.0	86.3
Kedah	207.4	7.0	23.2	137.8	39.4
Kelantan	281.0	11.5	22.5	161.7	85.3
Melaka	17.6	0.4	1.9	10.4	4.8
Negeri Sembilan	103.1	1.2	8.7	61.6	31.5
Pahang	265.2	4.7	50.8	168.7	41.1
Pulau Pinang	25.8	0.3	1.7	15.4	8.4
Perak	204.1	4.6	41.8	120.8	36.8
Perlis	34.8	0.3	2.4	22.2	9.8
Selangor	186.2	1.1	26.5	109.7	49.0
Terengganu	132.3	3.6	13.6	78.3	36.8
Sabah	614.7	75.7	183.0	272.7	83.3
Sarawak	417.0	22.7	93.1	243.1	58.1
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	5.7	0.1	0.8	2.7	2.0
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	12.8	2.6	8.5	14.2	15.1
Kedah	7.2	5.1	4.5	8.4	6.9
Kelantan	9.8	8.4	4.4	9.9	14.9
Melaka	0.6	0.3	0.4	0.6	0.8
Negeri Sembilan	3.6	0.9	1.7	3.8	5.5
Pahang	9.3	3.4	9.9	10.3	7.2
Pulau Pinang	0.9	0.2	0.3	0.9	1.5
Perak	7.1	3.4	8.1	7.4	6.4
Perlis	1.2	0.2	0.5	1.4	1.7
Selangor	6.5	0.8	5.2	6.7	8.6
Terengganu	4.6	2.6	2.7	4.8	6.4
Sabah	21.5	55.3	35.6	16.6	14.5
Sarawak	14.6	16.6	18.1	14.8	10.1
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.1	0.2	0.2	0.3
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B2.8: Tenaga buruh mengikut negeri dan sijil tertinggi diperoleh, Malaysia, 2023

Table B2.8: Labour force by state and highest certificate obtained, Malaysia, 2023

Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/ UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah ('000) Total	16,366.8	1,164.5	1,517.0	7,154.6	553.0	345.4	1,824.8	2,905.0	503.3	399.3
Johor	2,071.3	149.3	208.1	1,078.8	54.2	38.5	202.4	259.5	41.9	38.7
Kedah	955.1	67.1	100.8	461.5	32.7	29.5	98.5	128.0	10.5	26.6
Kelantan	685.3	36.8	67.7	316.0	34.7	17.8	70.4	110.0	16.0	15.9
Melaka	508.1	29.1	48.7	232.4	12.4	18.8	66.3	91.7	4.5	4.2
Negeri Sembilan	553.9	35.7	50.3	236.7	14.2	15.2	83.7	105.6	7.5	5.0
Pahang	735.7	60.3	73.4	357.3	23.2	22.0	80.7	85.6	24.8	8.4
Pulau Pinang	926.2	43.5	80.5	428.6	30.6	16.5	100.5	193.1	18.6	14.1
Perak	1,148.8	82.8	113.3	530.3	33.0	34.8	121.5	167.3	52.2	13.6
Perlis	130.6	8.0	13.5	58.7	4.9	5.6	15.9	20.9	1.7	1.4
Selangor	3,967.6	209.1	331.1	1,658.7	161.9	58.7	516.7	969.5	43.8	18.3
Terengganu	478.7	21.8	35.8	222.4	16.8	24.0	64.3	67.7	15.7	10.3
Sabah	1,754.0	230.4	160.9	600.9	62.2	20.1	107.2	155.5	207.5	209.3
Sarawak	1,234.6	149.8	171.2	533.1	50.0	26.1	102.5	138.8	34.6	28.5
W.P. Kuala Lumpur	1,111.7	36.4	55.6	404.6	16.1	14.5	171.1	387.4	22.2	3.9
W.P. Labuan	46.5	4.3	4.3	17.9	2.1	1.7	6.7	6.8	1.7	1.1
W.P. Putrajaya	58.6	0.1	1.7	17.0	3.9	1.8	16.4	17.7	-	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.7	12.8	13.7	15.1	9.8	11.2	11.1	8.9	8.3	9.7
Kedah	5.8	5.8	6.6	6.5	5.9	8.5	5.4	4.4	2.1	6.7
Kelantan	4.2	3.2	4.5	4.4	6.3	5.2	3.9	3.8	3.2	4.0
Melaka	3.1	2.5	3.2	3.2	2.2	5.4	3.6	3.2	0.9	1.1
Negeri Sembilan	3.4	3.1	3.3	3.3	2.6	4.4	4.6	3.6	1.5	1.2
Pahang	4.5	5.2	4.8	5.0	4.2	6.4	4.4	2.9	4.9	2.1
Pulau Pinang	5.7	3.7	5.3	6.0	5.5	4.8	5.5	6.6	3.7	3.5
Perak	7.0	7.1	7.5	7.4	6.0	10.1	6.7	5.8	10.4	3.4
Perlis	0.8	0.7	0.9	0.8	0.9	1.6	0.9	0.7	0.3	0.4
Selangor	24.2	18.0	21.8	23.2	29.3	17.0	28.3	33.4	8.7	4.6
Terengganu	2.9	1.9	2.4	3.1	3.0	6.9	3.5	2.3	3.1	2.6
Sabah	10.7	19.8	10.6	8.4	11.2	5.8	5.9	5.4	41.2	52.4
Sarawak	7.5	12.9	11.3	7.5	9.0	7.6	5.6	4.8	6.9	7.1
W.P. Kuala Lumpur	6.8	3.1	3.7	5.7	2.9	4.2	9.4	13.3	4.4	1.0
W.P. Labuan	0.3	0.4	0.3	0.3	0.4	0.5	0.4	0.2	0.3	0.3
W.P. Putrajaya	0.4	0.0	0.1	0.2	0.7	0.5	0.9	0.6	-	-

Jadual B2.9: Tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2023

Table B2.9: Labour force by state, highest certificate obtained and sex, Malaysia, 2023

Lelaki/Male Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/ UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah ('000) Total	10,188.5	815.8	1,065.3	4,665.2	311.2	243.3	962.0	1,508.0	351.0	266.7
Johor	1,400.6	125.0	169.3	725.5	34.9	26.9	111.4	139.9	36.2	31.5
Kedah	600.2	48.5	72.5	299.0	15.6	22.8	54.6	59.5	6.1	21.7
Kelantan	427.7	27.0	53.2	212.5	16.0	13.0	38.9	44.5	11.3	11.3
Melaka	312.6	21.8	39.0	150.2	6.9	13.5	32.4	43.1	3.0	2.8
Negeri Sembilan	349.3	26.3	35.0	156.7	7.0	11.3	48.8	54.8	5.7	3.7
Pahang	491.2	46.8	58.3	246.6	10.8	16.9	44.1	40.0	21.4	6.2
Pulau Pinang	562.8	31.2	61.2	262.7	17.5	12.1	57.6	100.6	9.7	10.2
Perak	737.1	63.4	88.6	344.9	19.6	23.6	64.1	79.9	43.2	9.8
Perlis	80.4	4.9	9.9	38.1	2.3	3.9	9.7	9.5	1.2	1.0
Selangor	2,321.9	113.9	171.3	1,062.2	102.9	39.4	265.1	522.3	32.0	12.8
Terengganu	317.2	16.5	28.9	157.7	8.6	18.7	38.2	29.3	11.0	8.4
Sabah	1,090.7	154.3	106.9	394.6	30.3	13.1	56.0	80.0	127.1	128.3
Sarawak	784.9	106.0	125.7	346.3	27.0	17.1	54.1	70.6	23.0	15.0
W.P. Kuala Lumpur	654.0	26.9	41.0	246.2	9.2	8.3	76.7	223.0	19.3	3.3
W.P. Labuan	29.6	3.1	3.1	11.9	1.0	1.2	4.1	3.5	0.9	0.8
W.P. Putrajaya	28.2	-	1.2	10.1	1.5	1.4	6.3	7.5	-	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.7	15.3	15.9	15.6	11.2	11.1	11.6	9.3	10.3	11.8
Kedah	5.9	5.9	6.8	6.4	5.0	9.4	5.7	3.9	1.7	8.1
Kelantan	4.2	3.3	5.0	4.6	5.2	5.3	4.0	3.0	3.2	4.2
Melaka	3.1	2.7	3.7	3.2	2.2	5.5	3.4	2.9	0.8	1.1
Negeri Sembilan	3.4	3.2	3.3	3.4	2.3	4.6	5.1	3.6	1.6	1.4
Pahang	4.8	5.7	5.5	5.3	3.5	7.0	4.6	2.7	6.1	2.3
Pulau Pinang	5.5	3.8	5.7	5.6	5.6	5.0	6.0	6.7	2.8	3.8
Perak	7.2	7.8	8.3	7.4	6.3	9.7	6.7	5.3	12.3	3.7
Perlis	0.8	0.6	0.9	0.8	0.7	1.6	1.0	0.6	0.3	0.4
Selangor	22.8	14.0	16.1	22.8	33.1	16.2	27.6	34.6	9.1	4.8
Terengganu	3.1	2.0	2.7	3.4	2.8	7.7	4.0	1.9	3.1	3.1
Sabah	10.7	18.9	10.0	8.5	9.7	5.4	5.8	5.3	36.2	48.1
Sarawak	7.7	13.0	11.8	7.4	8.7	7.0	5.6	4.7	6.6	5.6
W.P. Kuala Lumpur	6.4	3.3	3.8	5.3	3.0	3.4	8.0	14.8	5.5	1.2
W.P. Labuan	0.3	0.4	0.3	0.3	0.3	0.5	0.4	0.2	0.3	0.3
W.P. Putrajaya	0.3	-	0.1	0.2	0.5	0.6	0.7	0.5	-	-

Jadual B2.9: Tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2023 (samb.)

Table B2.9: Labour force by state, highest certificate obtained and sex, Malaysia, 2023 (cont'd)

Perempuan/Female Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah ('000) Total	6,178.3	348.7	451.7	2,489.4	241.8	102.1	862.7	1,397.0	152.3	132.6
Johor	670.8	24.4	38.8	353.2	19.3	11.7	90.9	119.6	5.7	7.2
Kedah	354.9	18.6	28.2	162.5	17.1	6.7	43.9	68.5	4.5	4.9
Kelantan	257.6	9.8	14.5	103.5	18.7	4.9	31.5	65.5	4.7	4.6
Melaka	195.5	7.3	9.7	82.2	5.5	5.3	33.9	48.6	1.5	1.4
Negeri Sembilan	204.6	9.4	15.3	79.9	7.2	3.9	34.9	50.8	1.9	1.3
Pahang	244.5	13.4	15.2	110.7	12.3	5.1	36.6	45.6	3.4	2.2
Pulau Pinang	363.3	12.2	19.3	165.9	13.1	4.4	43.0	92.5	8.9	3.9
Perak	411.6	19.4	24.7	185.3	13.4	11.2	57.4	87.4	9.1	3.8
Perlis	50.3	3.1	3.6	20.6	2.7	1.7	6.2	11.4	0.5	0.4
Selangor	1,645.7	95.1	159.7	596.5	59.0	19.2	251.6	447.2	11.7	5.5
Terengganu	161.5	5.3	6.9	64.7	8.1	5.3	26.1	38.4	4.7	1.9
Sabah	663.3	76.1	54.0	206.2	31.8	6.9	51.2	75.5	80.5	81.0
Sarawak	449.7	43.7	45.5	186.8	23.1	9.0	48.4	68.2	11.6	13.5
W.P. Kuala Lumpur	457.8	9.5	14.5	158.4	6.8	6.2	94.4	164.4	2.9	0.7
W.P. Labuan	16.9	1.2	1.1	6.0	1.2	0.4	2.6	3.3	0.7	0.4
W.P. Putrajaya	30.5	0.1	0.5	6.9	2.5	0.3	10.1	10.1	-	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	10.9	7.0	8.6	14.2	8.0	11.4	10.5	8.6	3.7	5.4
Kedah	5.7	5.3	6.2	6.5	7.1	6.5	5.1	4.9	2.9	3.7
Kelantan	4.2	2.8	3.2	4.2	7.7	4.7	3.7	4.7	3.1	3.5
Melaka	3.2	2.1	2.1	3.3	2.3	5.2	3.9	3.5	1.0	1.1
Negeri Sembilan	3.3	2.7	3.4	3.2	3.0	3.8	4.1	3.6	1.2	1.0
Pahang	4.0	3.9	3.4	4.4	5.1	5.0	4.2	3.3	2.2	1.6
Pulau Pinang	5.9	3.5	4.3	6.7	5.4	4.3	5.0	6.6	5.8	2.9
Perak	6.7	5.6	5.5	7.4	5.5	10.9	6.7	6.3	6.0	2.9
Perlis	0.8	0.9	0.8	0.8	1.1	1.6	0.7	0.8	0.4	0.3
Selangor	26.6	27.3	35.4	24.0	24.4	18.8	29.2	32.0	7.7	4.2
Terengganu	2.6	1.5	1.5	2.6	3.4	5.2	3.0	2.7	3.1	1.5
Sabah	10.7	21.8	12.0	8.3	13.2	6.8	5.9	5.4	52.9	61.1
Sarawak	7.3	12.5	10.1	7.5	9.5	8.8	5.6	4.9	7.6	10.2
W.P. Kuala Lumpur	7.4	2.7	3.2	6.4	2.8	6.1	10.9	11.8	1.9	0.5
W.P. Labuan	0.3	0.3	0.3	0.2	0.5	0.4	0.3	0.2	0.5	0.3
W.P. Putrajaya	0.5	0.0	0.1	0.3	1.0	0.3	1.2	0.7	-	-

Jadual B2.10: Tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2023

Table B2.10: Labour force by state, highest certificate obtained and strata, Malaysia, 2023

Bandar/Urban Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/ UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah ('000) Total	13,505.4	780.1	1,122.8	5,967.9	459.1	284.6	1,636.5	2,690.7	295.7	268.0
Johor	1,704.9	117.8	161.2	893.6	41.4	28.9	174.2	228.5	23.9	35.3
Kedah	747.7	42.0	64.4	364.0	26.8	23.5	84.8	115.4	7.3	19.5
Kelantan	404.3	15.9	36.6	189.3	19.7	10.3	46.3	73.0	7.2	6.2
Melaka	490.6	26.9	45.4	225.9	12.0	18.1	64.6	89.7	4.2	3.8
Negeri Sembilan	450.8	26.9	37.6	190.0	12.4	11.8	69.7	93.3	5.3	3.8
Pahang	470.4	25.7	36.4	229.1	18.3	16.6	65.3	71.2	4.1	3.7
Pulau Pinang	900.3	41.9	78.2	415.7	29.8	15.5	97.1	190.0	18.2	13.9
Perak	944.7	59.9	83.1	444.0	28.3	29.7	109.2	153.0	28.4	9.0
Perlis	95.9	5.2	8.5	42.1	3.1	4.3	12.6	17.7	1.3	1.1
Selangor	3,781.4	190.3	310.1	1,571.5	156.1	54.6	500.7	948.5	32.3	17.3
Terengganu	346.4	13.5	22.8	158.1	11.9	18.6	50.9	55.3	8.5	6.8
Sabah	1,139.3	111.3	84.8	423.7	40.9	14.7	83.2	125.0	118.7	137.0
Sarawak	817.6	62.7	92.5	383.7	36.4	20.5	84.6	119.0	12.5	5.8
W.P. Kuala Lumpur	1,111.7	36.4	55.6	404.6	16.1	14.5	171.1	387.4	22.2	3.9
W.P. Labuan	40.8	3.6	3.9	15.6	2.0	1.3	5.9	6.0	1.5	1.0
W.P. Putrajaya	58.6	0.1	1.7	17.0	3.9	1.8	16.4	17.7	-	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.6	15.1	14.4	15.0	9.0	10.2	10.6	8.5	8.1	13.2
Kedah	5.5	5.4	5.7	6.1	5.8	8.2	5.2	4.3	2.5	7.3
Kelantan	3.0	2.0	3.3	3.2	4.3	3.6	2.8	2.7	2.4	2.3
Melaka	3.6	3.4	4.0	3.8	2.6	6.4	3.9	3.3	1.4	1.4
Negeri Sembilan	3.3	3.4	3.4	3.2	2.7	4.2	4.3	3.5	1.8	1.4
Pahang	3.5	3.3	3.2	3.8	4.0	5.8	4.0	2.6	1.4	1.4
Pulau Pinang	6.7	5.4	7.0	7.0	6.5	5.4	5.9	7.1	6.2	5.2
Perak	7.0	7.7	7.4	7.4	6.2	10.4	6.7	5.7	9.6	3.4
Perlis	0.7	0.7	0.8	0.7	0.7	1.5	0.8	0.7	0.4	0.4
Selangor	28.0	24.4	27.6	26.3	34.0	19.2	30.6	35.3	10.9	6.4
Terengganu	2.6	1.7	2.0	2.6	2.6	6.5	3.1	2.1	2.9	2.5
Sabah	8.4	14.3	7.6	7.1	8.9	5.2	5.1	4.6	40.1	51.1
Sarawak	6.1	8.0	8.2	6.4	7.9	7.2	5.2	4.4	4.2	2.2
W.P. Kuala Lumpur	8.2	4.7	4.9	6.8	3.5	5.1	10.5	14.4	7.5	1.5
W.P. Labuan	0.3	0.5	0.3	0.3	0.4	0.5	0.4	0.2	0.5	0.4
W.P. Putrajaya	0.4	0.0	0.2	0.3	0.9	0.6	1.0	0.7	-	-

Jadual B2.10: Tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2023 (samb.)

Table B2.10: Labour force by state, highest certificate obtained and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah ('000) Total	2,861.4	384.3	394.2	1,186.8	93.9	60.8	188.3	214.2	207.6	131.3
Johor	366.5	31.6	46.9	185.2	12.8	9.6	28.2	31.0	17.9	3.3
Kedah	207.4	25.1	36.3	97.5	5.9	6.0	13.8	12.6	3.2	7.0
Kelantan	281.0	20.9	31.2	126.7	15.0	7.5	24.1	37.0	8.8	9.7
Melaka	17.6	2.3	3.3	6.4	0.4	0.7	1.7	2.0	0.3	0.4
Negeri Sembilan	103.1	8.9	12.7	46.7	1.8	3.3	14.0	12.3	2.2	1.2
Pahang	265.2	34.5	37.0	128.2	4.9	5.4	15.4	14.4	20.7	4.7
Pulau Pinang	25.8	1.6	2.3	12.9	0.8	1.0	3.5	3.1	0.4	0.3
Perak	204.1	22.8	30.1	86.3	4.7	5.0	12.3	14.3	23.8	4.6
Perlis	34.8	2.8	5.0	16.5	1.9	1.3	3.2	3.2	0.4	0.3
Selangor	186.2	18.8	21.0	87.1	5.8	4.0	16.0	20.9	11.4	1.1
Terengganu	132.3	8.3	13.0	64.3	4.9	5.4	13.4	12.4	7.1	3.5
Sabah	614.7	119.1	76.1	177.2	21.2	5.4	24.0	30.5	88.9	72.3
Sarawak	417.0	87.1	78.8	149.4	13.6	5.6	17.9	19.8	22.1	22.7
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	5.7	0.7	0.4	2.3	0.1	0.4	0.8	0.7	0.2	0.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.8	8.2	11.9	15.6	13.7	15.8	15.0	14.5	8.6	2.5
Kedah	7.2	6.5	9.2	8.2	6.3	9.9	7.3	5.9	1.5	5.4
Kelantan	9.8	5.4	7.9	10.7	16.0	12.4	12.8	17.3	4.3	7.4
Melaka	0.6	0.6	0.8	0.5	0.5	1.1	0.9	0.9	0.2	0.3
Negeri Sembilan	3.6	2.3	3.2	3.9	1.9	5.5	7.4	5.7	1.1	0.9
Pahang	9.3	9.0	9.4	10.8	5.2	8.9	8.2	6.7	10.0	3.6
Pulau Pinang	0.9	0.4	0.6	1.1	0.9	1.7	1.8	1.4	0.2	0.2
Perak	7.1	5.9	7.6	7.3	5.0	8.3	6.5	6.7	11.5	3.5
Perlis	1.2	0.7	1.3	1.4	2.0	2.2	1.7	1.5	0.2	0.2
Selangor	6.5	4.9	5.3	7.3	6.2	6.7	8.5	9.8	5.5	0.8
Terengganu	4.6	2.2	3.3	5.4	5.2	8.9	7.1	5.8	3.4	2.7
Sabah	21.5	31.0	19.3	14.9	22.6	8.8	12.7	14.3	42.8	55.1
Sarawak	14.6	22.7	20.0	12.6	14.5	9.3	9.5	9.3	10.6	17.3
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.2	0.1	0.2	0.1	0.6	0.4	0.3	0.1	0.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B3.1: Nisbah guna tenaga kepada penduduk mengikut negeri, strata dan jantina, Malaysia, 2023

Table B3.1: Employment to population ratio by state, strata and sex, Malaysia, 2023

Negeri State	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah (%) Total	67.7	79.6	54.3	68.9	79.5	57.0	62.6	79.7	42.0
Johor	69.5	86.4	49.1	69.6	85.9	50.3	69.0	88.9	43.4
Kedah	63.4	78.3	47.6	64.6	77.0	51.7	59.4	82.5	33.4
Kelantan	55.3	69.0	41.5	59.2	70.0	48.6	50.3	67.8	32.1
Melaka	68.9	78.8	57.5	69.1	79.0	57.7	64.4	73.3	50.3
Negeri Sembilan	64.0	76.7	50.1	64.8	76.4	52.0	60.9	77.6	42.2
Pahang	63.8	78.9	46.0	63.9	77.3	49.9	63.7	81.2	37.7
Pulau Pinang	69.7	82.4	56.3	70.2	82.8	56.9	55.3	72.0	38.3
Perak	63.4	77.0	48.0	63.8	76.3	50.1	61.8	80.1	37.4
Perlis	59.0	73.7	44.4	60.2	74.6	45.8	55.8	71.2	40.8
Selangor	75.3	81.2	68.4	75.6	81.3	69.1	69.3	80.1	52.8
Terengganu	57.9	74.4	40.2	59.1	75.5	42.0	55.0	71.7	35.3
Sabah	64.8	77.4	50.9	63.8	75.2	51.6	66.8	81.6	49.7
Sarawak	66.6	81.4	50.6	67.6	81.6	52.5	64.8	81.0	47.1
W.P. Kuala Lumpur	71.9	77.7	65.1	71.9	77.7	65.1	n.a.	n.a.	n.a.
W.P. Labuan	63.3	78.0	48.2	64.3	78.6	49.8	56.4	73.6	36.9
W.P. Putrajaya	78.0	77.9	78.1	78.0	77.9	78.1	n.a.	n.a.	n.a.

Jadual B3.2: Nisbah guna tenaga kepada penduduk mengikut negeri dan kumpulan umur, Malaysia, 2023

Table B3.2: Employment to population ratio by state and age group, Malaysia, 2023

Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah (%) Total	67.7	21.8	59.6	83.4	84.4	82.9	85.6	77.8	72.4	58.5	33.9
Johor	69.5	26.1	67.0	81.8	89.7	87.6	82.4	78.4	69.3	58.7	36.2
Kedah	63.4	15.4	61.1	86.5	80.4	77.3	75.1	74.2	68.3	53.9	33.9
Kelantan	55.3	10.1	37.4	75.9	74.7	76.8	78.7	77.6	69.6	61.4	32.0
Melaka	68.9	11.3	65.6	94.6	86.4	84.9	84.2	74.5	73.3	49.2	24.8
Negeri Sembilan	64.0	14.5	60.8	80.6	83.4	83.0	81.5	74.8	67.7	48.8	25.4
Pahang	63.8	8.9	63.7	86.5	81.8	79.3	79.6	73.9	68.0	55.4	36.1
Pulau Pinang	69.7	11.0	60.3	84.6	95.2	88.1	88.7	83.5	69.6	58.5	26.2
Perak	63.4	12.1	67.7	80.3	85.5	80.5	81.8	76.5	65.0	50.9	25.3
Perlis	59.0	15.8	53.7	68.4	77.1	78.2	80.7	73.9	71.9	54.7	31.1
Selangor	75.3	48.8	55.8	93.8	86.4	81.2	96.0	78.2	78.7	65.6	37.8
Terengganu	57.9	11.6	59.0	69.6	70.4	74.4	76.1	74.6	70.6	47.5	25.6
Sabah	64.8	22.1	63.1	78.3	78.9	81.7	75.3	67.6	70.4	64.5	43.7
Sarawak	66.6	14.3	59.7	76.1	85.9	83.4	82.7	79.7	73.6	63.4	44.4
W.P. Kuala Lumpur	71.9	11.3	51.0	81.0	85.5	91.8	93.8	91.2	80.6	47.6	23.8
W.P. Labuan	63.3	3.9	73.6	76.1	67.3	76.6	76.3	76.0	69.9	53.2	38.1
W.P. Putrajaya	78.0	3.6	36.5	83.1	87.8	95.8	94.9	91.5	97.3	82.9	71.6

Jadual B3.3: Nisbah guna tenaga kepada penduduk mengikut negeri, kumpulan umur dan jantina, Malaysia, 2023
Table B3.3: Employment to population ratio by state, age group and sex, Malaysia, 2023

Lelaki/Male											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah (%) Total	79.6	22.2	72.1	90.6	94.1	97.1	96.9	95.4	92.0	80.9	46.8
Johor	86.4	43.3	87.2	95.7	98.7	98.2	97.7	98.0	94.0	83.0	55.3
Kedah	78.3	16.2	70.0	95.6	97.9	98.2	95.7	96.0	89.9	84.4	54.3
Kelantan	69.0	15.7	43.3	91.8	85.4	96.7	97.4	96.5	90.0	87.4	47.5
Melaka	78.8	15.0	77.0	94.1	90.7	96.2	95.9	95.7	87.2	67.5	37.5
Negeri Sembilan	76.7	19.3	70.5	88.7	93.5	96.1	93.9	91.5	86.3	74.7	40.8
Pahang	78.9	11.9	73.2	89.3	97.0	98.4	97.4	97.0	92.2	79.5	56.8
Pulau Pinang	82.4	16.8	86.3	94.6	98.4	98.1	99.0	97.7	91.6	76.4	38.8
Perak	77.0	18.2	84.4	83.4	93.8	94.5	96.3	94.5	86.9	74.9	38.9
Perlis	73.7	17.7	66.4	89.3	96.2	95.9	93.1	96.3	94.1	79.1	49.1
Selangor	81.2	21.3	58.5	92.8	96.6	98.0	99.5	98.3	92.3	86.9	37.1
Terengganu	74.4	15.7	78.5	93.8	82.1	92.4	91.9	91.7	92.7	68.1	39.6
Sabah	77.4	27.3	73.5	80.6	94.0	97.4	92.8	82.1	94.1	91.9	64.2
Sarawak	81.4	19.4	85.4	87.4	96.2	97.0	95.8	95.2	93.6	83.5	62.4
W.P. Kuala Lumpur	77.7	20.0	59.7	92.3	81.3	96.1	97.3	98.0	94.5	53.8	30.2
W.P. Labuan	78.0	4.6	80.7	90.8	85.9	93.0	93.0	95.9	96.5	77.5	54.2
W.P. Putrajaya	77.9	7.0	20.0	77.8	97.6	98.0	99.2	98.4	94.8	67.0	49.3

Jadual B3.3: Nisbah guna tenaga kepada penduduk mengikut negeri, kumpulan umur dan jantina, Malaysia, 2023 (samb.)

Table B3.3: Employment to population ratio by state, age group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah (%) Total	54.3	21.3	44.8	74.6	73.0	66.9	72.7	59.0	52.1	35.7	20.5
Johor	49.1	7.1	41.0	62.8	78.1	74.6	64.6	55.7	43.1	32.4	14.9
Kedah	47.6	14.6	50.5	75.8	61.7	56.1	54.3	52.4	48.5	26.5	15.8
Kelantan	41.5	4.0	31.4	59.7	63.1	56.0	58.8	59.5	51.4	38.1	18.1
Melaka	57.5	7.1	51.9	95.1	79.7	71.7	67.1	59.6	59.7	32.3	12.4
Negeri Sembilan	50.1	9.1	49.1	70.8	70.3	67.9	67.1	59.6	49.8	25.7	12.4
Pahang	46.0	5.7	52.6	82.5	62.0	54.6	57.1	50.8	41.8	30.3	14.2
Pulau Pinang	56.3	4.5	32.5	72.9	92.0	78.1	77.7	68.7	47.0	41.0	13.3
Perak	48.0	5.2	47.5	76.5	74.5	63.9	64.7	58.2	43.7	29.1	12.5
Perlis	44.4	13.5	40.4	46.8	56.3	60.5	64.4	59.6	55.2	35.4	15.9
Selangor	68.4	78.3	52.3	95.3	74.4	63.1	92.1	54.6	64.0	41.9	38.5
Terengganu	40.2	7.1	37.8	42.1	56.7	54.3	58.1	57.1	49.0	28.7	12.7
Sabah	50.9	16.6	51.4	75.7	62.7	64.9	55.8	50.6	43.7	34.4	16.3
Sarawak	50.6	8.7	31.6	63.3	74.0	67.9	68.4	63.8	53.4	43.0	26.7
W.P. Kuala Lumpur	65.1	1.8	40.2	67.0	90.1	86.6	89.8	83.4	63.3	40.6	15.7
W.P. Labuan	48.2	3.1	67.5	62.0	48.8	58.0	55.7	56.2	46.2	29.4	20.8
W.P. Putrajaya	78.1	0.0	53.8	88.4	79.3	94.0	91.0	84.1	100.0	100.0	92.5

Jadual B3.4: Nisbah guna tenaga kepada penduduk mengikut negeri, kumpulan umur dan strata, Malaysia, 2023
Table B3.4: Employment to population ratio by state, age group and strata, Malaysia, 2023

Bandar/Urban											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah (%) Total	68.9	23.7	59.2	84.8	86.1	83.9	87.1	78.3	73.3	57.6	32.8
Johor	69.6	29.6	62.2	81.0	91.1	89.2	83.8	79.0	69.6	58.4	30.2
Kedah	64.6	16.8	61.4	90.5	82.1	78.0	76.2	75.1	69.6	51.0	30.0
Kelantan	59.2	11.4	37.7	87.9	85.4	80.4	79.4	77.3	71.1	58.6	39.3
Melaka	69.1	11.1	65.2	94.9	88.1	84.8	84.4	74.7	73.4	48.7	24.7
Negeri Sembilan	64.8	15.1	59.8	81.2	84.3	83.0	82.6	75.9	69.7	48.5	24.4
Pahang	63.9	8.1	65.3	91.7	80.5	79.5	81.0	74.1	69.3	53.0	34.8
Pulau Pinang	70.2	11.1	60.7	84.7	96.0	88.8	89.3	84.0	69.8	59.0	26.4
Perak	63.8	12.6	67.8	79.7	87.3	81.2	82.2	77.1	67.0	50.4	24.1
Perlis	60.2	16.3	52.2	67.3	80.6	80.3	83.1	74.7	72.7	56.7	31.9
Selangor	75.6	51.1	55.4	93.7	85.8	81.2	96.3	78.9	78.5	66.1	38.5
Terengganu	59.1	11.9	62.8	70.1	73.7	74.7	76.9	74.8	72.4	45.5	22.9
Sabah	63.8	18.6	62.5	78.2	80.3	82.6	74.0	60.6	69.5	62.3	47.9
Sarawak	67.6	15.8	61.3	74.5	90.3	86.4	84.7	79.9	73.0	58.6	42.8
W.P. Kuala Lumpur	71.9	11.3	51.0	81.0	85.5	91.8	93.8	91.2	80.6	47.6	23.8
W.P. Labuan	64.3	4.2	76.3	76.7	66.7	79.4	74.4	76.6	71.0	51.2	38.1
W.P. Putrajaya	78.0	3.6	36.5	83.1	87.8	95.8	94.9	91.5	97.3	82.9	71.6

Jadual B3.4: Nisbah guna tenaga kepada penduduk mengikut negeri, kumpulan umur dan strata, Malaysia, 2023 (samb.)

Table B3.4: Employment to population ratio by state, age group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah (%) Total	62.6	14.4	61.0	77.6	76.7	77.9	77.6	75.4	68.7	61.9	38.3
Johor	69.0	10.5	86.2	85.7	82.9	79.4	75.1	75.1	68.0	59.8	58.9
Kedah	59.4	11.0	60.0	74.2	73.6	74.8	70.4	71.5	63.7	62.6	44.2
Kelantan	50.3	8.5	37.0	60.8	61.7	71.9	77.9	78.1	67.5	64.6	23.1
Melaka	64.4	16.2	75.9	83.9	48.3	88.6	79.9	69.1	69.1	59.8	30.6
Negeri Sembilan	60.9	12.7	65.7	78.3	79.8	83.1	77.0	69.7	59.6	49.5	28.2
Pahang	63.7	10.5	60.5	78.5	83.8	79.0	76.6	73.5	65.5	59.5	38.3
Pulau Pinang	55.3	9.4	51.0	82.1	71.1	66.6	68.2	60.8	62.5	48.4	20.7
Perak	61.8	9.6	67.6	83.0	78.0	78.0	80.0	73.3	56.1	53.2	31.2
Perlis	55.8	14.8	57.4	71.4	68.1	73.2	74.2	71.2	69.4	49.3	29.4
Selangor	69.3	13.3	64.0	96.2	98.0	82.4	89.4	58.7	83.7	56.3	27.5
Terengganu	55.0	10.7	50.0	68.3	60.4	73.7	73.9	74.3	66.8	52.7	33.2
Sabah	66.8	29.6	64.1	78.6	76.3	79.8	77.9	82.1	72.0	68.3	36.3
Sarawak	64.8	11.7	57.0	79.3	77.0	77.6	78.4	79.2	74.7	71.7	48.1
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	56.4	2.2	54.9	71.6	73.8	55.1	89.8	71.5	65.1	62.0	38.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.1: Penduduk bekerja mengikut negeri, strata dan jantina, Malaysia, 2023

Table B4.1: Employed persons by state, strata and sex, Malaysia, 2023

Negeri State	Jumlah Total			Bandar Urban			Luar Bandar Rural		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total	15,813.4	9,849.6	5,963.8	13,082.3	7,952.3	5,129.9	2,731.1	1,897.2	833.9
Johor	2,017.9	1,369.5	648.4	1,661.0	1,110.6	550.4	357.0	258.9	98.1
Kedah	927.5	588.2	339.3	725.9	440.1	285.8	201.6	148.1	53.5
Kelantan	661.1	413.9	247.2	395.8	231.5	164.3	265.3	182.4	82.9
Melaka	499.8	306.0	193.7	482.9	294.2	188.7	16.9	11.8	5.1
Negeri Sembilan	536.1	336.9	199.2	434.9	268.7	166.1	101.3	68.2	33.1
Pahang	720.9	483.1	237.8	460.2	284.6	175.6	260.7	198.6	62.1
Pulau Pinang	905.6	549.3	356.3	881.8	533.7	348.1	23.8	15.6	8.2
Perak	1,104.2	711.9	392.3	911.2	569.1	342.1	193.0	142.9	50.2
Perlis	124.9	77.8	47.1	92.0	57.0	35.0	32.9	20.8	12.1
Selangor	3,858.9	2,244.0	1,614.9	3,683.0	2,120.8	1,562.1	175.9	123.2	52.7
Terengganu	462.4	307.9	154.4	336.1	219.0	117.1	126.3	89.0	37.3
Sabah	1,622.2	1,017.5	604.7	1,051.6	644.4	407.1	570.7	373.1	197.6
Sarawak	1,192.5	758.0	434.5	791.5	496.5	295.0	401.0	261.5	139.5
W.P. Kuala Lumpur	1,077.9	630.2	447.7	1,077.9	630.2	447.7	n.a.	n.a.	n.a.
W.P. Labuan	43.4	27.1	16.3	38.4	23.6	14.8	4.9	3.4	1.5
W.P. Putrajaya	58.1	28.1	30.0	58.1	28.1	30.0	n.a.	n.a.	n.a.
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.8	13.9	10.9	12.7	14.0	10.7	13.1	13.6	11.8
Kedah	5.9	6.0	5.7	5.5	5.5	5.6	7.4	7.8	6.4
Kelantan	4.2	4.2	4.1	3.0	2.9	3.2	9.7	9.6	9.9
Melaka	3.2	3.1	3.2	3.7	3.7	3.7	0.6	0.6	0.6
Negeri Sembilan	3.4	3.4	3.3	3.3	3.4	3.2	3.7	3.6	4.0
Pahang	4.6	4.9	4.0	3.5	3.6	3.4	9.5	10.5	7.4
Pulau Pinang	5.7	5.6	6.0	6.7	6.7	6.8	0.9	0.8	1.0
Perak	7.0	7.2	6.6	7.0	7.2	6.7	7.1	7.5	6.0
Perlis	0.8	0.8	0.8	0.7	0.7	0.7	1.2	1.1	1.5
Selangor	24.4	22.8	27.1	28.2	26.7	30.5	6.4	6.5	6.3
Terengganu	2.9	3.1	2.6	2.6	2.8	2.3	4.6	4.7	4.5
Sabah	10.3	10.3	10.1	8.0	8.1	7.9	20.9	19.7	23.7
Sarawak	7.5	7.7	7.3	6.1	6.2	5.8	14.7	13.8	16.7
W.P. Kuala Lumpur	6.8	6.4	7.5	8.2	7.9	8.7	n.a.	n.a.	n.a.
W.P. Labuan	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
W.P. Putrajaya	0.4	0.3	0.5	0.4	0.4	0.6	n.a.	n.a.	n.a.

Jadual B4.2: Penduduk bekerja mengikut negeri dan kumpulan umur, Malaysia, 2023

Table B4.2: Employed persons by state and age group, Malaysia, 2023

Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	15,813.4	604.2	1,796.2	2,420.4	2,431.6	2,370.0	2,129.5	1,528.5	1,219.5	868.4	444.9
Johor	2,017.9	87.8	266.8	308.3	308.3	285.8	241.5	188.1	152.9	116.3	62.2
Kedah	927.5	28.8	129.0	188.5	138.0	109.8	91.3	82.2	73.9	54.9	31.1
Kelantan	661.1	19.0	74.0	113.4	93.7	88.9	75.8	65.7	57.5	49.2	23.9
Melaka	499.8	9.0	67.2	86.0	97.8	65.8	69.3	46.0	30.3	19.2	9.1
Negeri Sembilan	536.1	14.6	64.5	77.0	88.2	90.6	71.4	51.2	38.5	26.9	13.4
Pahang	720.9	13.8	87.7	105.6	105.7	112.9	106.5	76.0	54.0	37.0	21.8
Pulau Pinang	905.6	13.5	94.7	150.1	147.0	132.3	118.4	94.4	75.9	57.2	22.0
Perak	1,104.3	25.9	158.6	164.4	159.2	158.0	144.6	115.8	82.0	64.0	31.8
Perlis	124.9	5.1	17.0	19.0	14.9	16.7	17.8	14.3	9.1	7.1	3.8
Selangor	3,858.9	245.0	326.3	554.2	578.3	592.4	583.0	358.0	306.1	214.9	100.6
Terengganu	462.4	12.8	69.9	68.4	65.5	67.3	59.5	45.9	38.2	23.7	11.2
Sabah	1,622.2	80.2	237.5	294.7	257.1	239.1	179.3	116.7	99.5	74.0	44.1
Sarawak	1,192.5	30.6	130.4	169.2	189.3	169.9	144.5	121.0	105.3	82.9	49.4
W.P. Kuala Lumpur	1,077.9	17.6	64.7	110.4	175.8	216.8	205.6	142.8	89.7	36.7	17.8
W.P. Labuan	43.4	0.3	6.4	6.5	5.9	7.7	6.0	4.0	3.1	2.1	1.3
W.P. Putrajaya	58.1	0.3	1.6	4.6	7.0	16.0	14.9	6.5	3.6	2.3	1.4
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.8	14.5	14.9	12.7	12.7	12.1	11.3	12.3	12.5	13.4	14.0
Kedah	5.9	4.8	7.2	7.8	5.7	4.6	4.3	5.4	6.1	6.3	7.0
Kelantan	4.2	3.1	4.1	4.7	3.9	3.8	3.6	4.3	4.7	5.7	5.4
Melaka	3.2	1.5	3.7	3.6	4.0	2.8	3.3	3.0	2.5	2.2	2.0
Negeri Sembilan	3.4	2.4	3.6	3.2	3.6	3.8	3.4	3.3	3.2	3.1	3.0
Pahang	4.6	2.3	4.9	4.4	4.3	4.8	5.0	5.0	4.4	4.3	4.9
Pulau Pinang	5.7	2.2	5.3	6.2	6.0	5.6	5.6	6.2	6.2	6.6	4.9
Perak	7.0	4.3	8.8	6.8	6.5	6.7	6.8	7.6	6.7	7.4	7.1
Perlis	0.8	0.8	0.9	0.8	0.6	0.7	0.8	0.9	0.7	0.8	0.8
Selangor	24.4	40.6	18.2	22.9	23.8	25.0	27.4	23.4	25.1	24.7	22.6
Terengganu	2.9	2.1	3.9	2.8	2.7	2.8	2.8	3.0	3.1	2.7	2.5
Sabah	10.3	13.3	13.2	12.2	10.6	10.1	8.4	7.6	8.2	8.5	9.9
Sarawak	7.5	5.1	7.3	7.0	7.8	7.2	6.8	7.9	8.6	9.6	11.1
W.P. Kuala Lumpur	6.8	2.9	3.6	4.6	7.2	9.1	9.7	9.3	7.4	4.2	4.0
W.P. Labuan	0.3	0.0	0.4	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.3
W.P. Putrajaya	0.4	0.1	0.1	0.2	0.3	0.7	0.7	0.4	0.3	0.3	0.3

Jadual B4.3: Penduduk bekerja mengikut negeri, kumpulan umur dan jantina, Malaysia, 2023

Table B4.3: *Employed persons by state, age group and sex, Malaysia, 2023*

Lelaki/Male											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	9,849.5	322.9	1,177.3	1,451.9	1,465.5	1,469.4	1,286.1	968.6	789.4	605.4	313.1
Johor	1,369.5	76.4	195.4	208.0	190.2	177.0	154.2	126.1	106.7	85.5	50.0
Kedah	588.2	16.0	80.1	113.0	86.7	70.2	58.5	53.2	46.5	40.6	23.4
Kelantan	413.9	15.3	42.9	69.3	55.7	57.2	48.5	40.1	35.1	33.1	16.8
Melaka	306.0	6.3	43.0	45.9	62.1	40.2	46.9	24.4	17.8	12.6	6.8
Negeri Sembilan	336.9	10.3	40.8	46.3	56.0	56.2	44.2	29.8	24.1	19.4	9.8
Pahang	483.1	9.6	54.2	63.8	70.9	79.1	72.7	49.9	38.1	27.1	17.6
Pulau Pinang	549.3	10.9	70.1	90.6	75.4	73.9	68.2	56.2	50.6	37.1	16.5
Perak	711.9	20.7	108.5	95.2	99.6	101.0	92.3	72.2	54.0	44.8	23.7
Perlis	77.8	3.1	10.7	12.6	9.7	10.2	11.6	7.3	5.1	4.6	2.7
Selangor	2,244.0	55.5	193.7	321.2	350.3	371.9	320.3	242.7	186.7	149.8	51.9
Terengganu	307.9	9.0	48.4	49.0	41.2	44.2	38.3	28.5	24.8	16.2	8.3
Sabah	1,017.5	51.2	146.5	158.1	159.1	146.9	116.6	76.4	70.5	55.1	37.0
Sarawak	758.0	21.8	97.4	103.0	113.5	105.2	87.2	73.2	67.2	55.1	34.4
W.P. Kuala Lumpur	630.2	16.3	41.9	69.7	87.9	123.9	115.2	82.3	58.4	21.9	12.6
W.P. Labuan	27.1	0.2	3.3	3.8	3.7	4.9	4.1	2.5	2.0	1.5	1.0
W.P. Putrajaya	28.1	0.3	0.5	2.1	3.6	7.3	7.4	3.6	1.8	0.9	0.5
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.9	23.7	16.6	14.3	13.0	12.0	12.0	13.0	13.5	14.1	16.0
Kedah	6.0	5.0	6.8	7.8	5.9	4.8	4.5	5.5	5.9	6.7	7.5
Kelantan	4.2	4.7	3.6	4.8	3.8	3.9	3.8	4.1	4.4	5.5	5.4
Melaka	3.1	2.0	3.7	3.2	4.2	2.7	3.6	2.5	2.3	2.1	2.2
Negeri Sembilan	3.4	3.2	3.5	3.2	3.8	3.8	3.4	3.1	3.0	3.2	3.1
Pahang	4.9	3.0	4.6	4.4	4.8	5.4	5.7	5.2	4.8	4.5	5.6
Pulau Pinang	5.6	3.4	6.0	6.2	5.1	5.0	5.3	5.8	6.4	6.1	5.3
Perak	7.2	6.4	9.2	6.6	6.8	6.9	7.2	7.5	6.8	7.4	7.6
Perlis	0.8	1.0	0.9	0.9	0.7	0.7	0.9	0.7	0.7	0.8	0.9
Selangor	22.8	17.2	16.5	22.1	23.9	25.3	24.9	25.1	23.7	24.7	16.6
Terengganu	3.1	2.8	4.1	3.4	2.8	3.0	3.0	2.9	3.1	2.7	2.7
Sabah	10.3	15.9	12.4	10.9	10.9	10.0	9.1	7.9	8.9	9.1	11.8
Sarawak	7.7	6.8	8.3	7.1	7.7	7.2	6.8	7.6	8.5	9.1	11.0
W.P. Kuala Lumpur	6.4	5.0	3.6	4.8	6.0	8.4	9.0	8.5	7.4	3.6	4.0
W.P. Labuan	0.3	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
W.P. Putrajaya	0.3	0.1	0.0	0.1	0.2	0.5	0.6	0.4	0.2	0.2	0.1

Jadual B4.3: Penduduk bekerja mengikut negeri, kumpulan umur dan jantina, Malaysia, 2023 (samb.)

Table B4.3: Employed persons by state, age group and sex, Malaysia, 2023 (cont'd)

Perempuan/Female											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	5,963.8	281.3	618.9	968.5	966.1	900.7	843.4	560.0	430.2	263.1	131.8
Johor	648.4	11.3	71.4	100.3	118.0	108.8	87.3	62.0	46.2	30.9	12.1
Kedah	339.3	12.8	48.9	75.5	51.4	39.6	32.7	29.0	27.5	14.3	7.7
Kelantan	247.2	3.7	31.1	44.1	38.0	31.7	27.4	25.6	22.4	16.1	7.1
Melaka	193.7	2.7	24.2	40.1	35.7	25.7	22.5	21.5	12.5	6.5	2.3
Negeri Sembilan	199.2	4.3	23.7	30.7	32.2	34.4	27.1	21.4	14.4	7.5	3.6
Pahang	237.8	4.2	33.5	41.7	34.8	33.8	33.7	26.1	15.9	9.9	4.2
Pulau Pinang	356.3	2.6	24.6	59.4	71.7	58.5	50.3	38.2	25.4	20.1	5.5
Perak	392.3	5.3	50.1	69.3	59.6	57.0	52.4	43.5	28.0	19.1	8.1
Perlis	47.1	2.0	6.3	6.4	5.2	6.5	6.1	7.1	4.0	2.6	1.1
Selangor	1,614.9	189.6	132.6	233.0	228.0	220.5	262.7	115.3	119.4	65.2	48.7
Terengganu	154.4	3.8	21.5	19.4	24.3	23.2	21.2	17.3	13.4	7.5	2.9
Sabah	604.7	29.0	91.0	136.6	98.1	92.2	62.7	40.3	29.0	18.8	7.0
Sarawak	434.5	8.8	33.0	66.1	75.8	64.6	57.3	47.9	38.1	27.8	15.0
W.P. Kuala Lumpur	447.7	1.3	22.8	40.7	87.8	92.9	90.4	60.4	31.3	14.8	5.2
W.P. Labuan	16.3	0.1	3.1	2.7	2.1	2.7	2.0	1.5	1.1	0.6	0.3
W.P. Putrajaya	30.0	-	1.2	2.5	3.4	8.7	7.5	2.9	1.8	1.3	0.9
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	10.9	4.0	11.5	10.4	12.2	12.1	10.4	11.1	10.7	11.7	9.2
Kedah	5.7	4.5	7.9	7.8	5.3	4.4	3.9	5.2	6.4	5.4	5.8
Kelantan	4.1	1.3	5.0	4.6	3.9	3.5	3.2	4.6	5.2	6.1	5.4
Melaka	3.2	1.0	3.9	4.1	3.7	2.8	2.7	3.8	2.9	2.5	1.7
Negeri Sembilan	3.3	1.5	3.8	3.2	3.3	3.8	3.2	3.8	3.4	2.9	2.7
Pahang	4.0	1.5	5.4	4.3	3.6	3.8	4.0	4.7	3.7	3.8	3.2
Pulau Pinang	6.0	0.9	4.0	6.1	7.4	6.5	6.0	6.8	5.9	7.7	4.2
Perak	6.6	1.9	8.1	7.2	6.2	6.3	6.2	7.8	6.5	7.3	6.2
Perlis	0.8	0.7	1.0	0.7	0.5	0.7	0.7	1.3	0.9	1.0	0.8
Selangor	27.1	67.4	21.4	24.1	23.6	24.5	31.1	20.6	27.8	24.8	37.0
Terengganu	2.6	1.3	3.5	2.0	2.5	2.6	2.5	3.1	3.1	2.9	2.2
Sabah	10.1	10.3	14.7	14.1	10.1	10.2	7.4	7.2	6.7	7.2	5.3
Sarawak	7.3	3.1	5.3	6.8	7.9	7.2	6.8	8.5	8.9	10.6	11.4
W.P. Kuala Lumpur	7.5	0.5	3.7	4.2	9.1	10.3	10.7	10.8	7.3	5.6	3.9
W.P. Labuan	0.3	0.0	0.5	0.3	0.2	0.3	0.2	0.3	0.3	0.2	0.3
W.P. Putrajaya	0.5	-	0.2	0.3	0.4	1.0	0.9	0.5	0.4	0.5	0.7

Jadual B4.4: Penduduk bekerja mengikut negeri, kumpulan umur dan strata, Malaysia, 2023

Table B4.4: Employed persons by state, age group and strata, Malaysia, 2023

Bandar/Urban											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	13,082.3	520.1	1,417.0	1,991.8	2,033.6	1,985.4	1,814.9	1,278.6	1,008.9	686.0	346.0
Johor	1,661.0	81.3	198.7	252.9	258.8	243.4	206.0	158.8	126.7	93.3	41.1
Kedah	725.9	23.8	98.8	149.1	111.4	87.7	74.4	63.5	57.8	39.4	20.0
Kelantan	395.8	11.5	43.0	73.3	58.6	53.5	44.6	36.2	33.9	25.0	16.2
Melaka	482.9	8.6	64.4	83.7	95.5	63.0	67.0	44.4	29.3	18.2	8.8
Negeri Sembilan	434.9	11.9	52.8	62.4	71.0	73.6	58.3	43.2	31.7	20.3	9.6
Pahang	460.2	8.3	59.5	67.6	63.4	67.9	72.0	49.3	36.3	22.5	13.4
Pulau Pinang	881.8	13.1	91.4	146.0	143.6	129.1	115.7	92.8	73.5	55.4	21.4
Perak	911.2	22.1	134.2	132.9	131.2	128.1	119.7	97.3	69.1	51.5	25.1
Perlis	92.0	3.7	11.7	13.6	11.2	12.1	13.5	11.0	7.1	5.4	2.6
Selangor	3,683.0	240.9	310.1	526.4	545.3	561.6	558.7	348.0	291.7	204.3	96.0
Terengganu	336.1	9.2	52.2	48.8	51.5	48.9	43.6	31.3	27.0	16.2	7.3
Sabah	1,051.6	46.0	144.1	204.7	171.3	160.4	116.0	70.5	62.2	45.5	30.8
Sarawak	791.5	21.6	83.9	109.5	132.9	116.1	99.7	79.3	66.5	48.5	33.5
W.P. Kuala Lumpur	1,077.9	17.6	64.7	110.4	175.8	216.8	205.6	142.8	89.7	36.7	17.8
W.P. Labuan	38.4	0.3	5.8	5.8	5.3	7.0	5.2	3.6	2.6	1.7	1.2
W.P. Putrajaya	58.1	0.3	1.6	4.6	7.0	16.0	14.9	6.5	3.6	2.3	1.4
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.7	15.6	14.0	12.7	12.7	12.3	11.4	12.4	12.6	13.6	11.9
Kedah	5.5	4.6	7.0	7.5	5.5	4.4	4.1	5.0	5.7	5.7	5.8
Kelantan	3.0	2.2	3.0	3.7	2.9	2.7	2.5	2.8	3.4	3.6	4.7
Melaka	3.7	1.7	4.5	4.2	4.7	3.2	3.7	3.5	2.9	2.7	2.5
Negeri Sembilan	3.3	2.3	3.7	3.1	3.5	3.7	3.2	3.4	3.1	3.0	2.8
Pahang	3.5	1.6	4.2	3.4	3.1	3.4	4.0	3.9	3.6	3.3	3.9
Pulau Pinang	6.7	2.5	6.4	7.3	7.1	6.5	6.4	7.3	7.3	8.1	6.2
Perak	7.0	4.2	9.5	6.7	6.4	6.4	6.6	7.6	6.8	7.5	7.3
Perlis	0.7	0.7	0.8	0.7	0.6	0.6	0.7	0.9	0.7	0.8	0.8
Selangor	28.2	46.3	21.9	26.4	26.8	28.3	30.8	27.2	28.9	29.8	27.7
Terengganu	2.6	1.8	3.7	2.5	2.5	2.5	2.4	2.4	2.7	2.4	2.1
Sabah	8.0	8.8	10.2	10.3	8.4	8.1	6.4	5.5	6.2	6.6	8.9
Sarawak	6.1	4.2	5.9	5.5	6.5	5.8	5.5	6.2	6.6	7.1	9.7
W.P. Kuala Lumpur	8.2	3.4	4.6	5.5	8.6	10.9	11.3	11.2	8.9	5.4	5.1
W.P. Labuan	0.3	0.0	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.3
W.P. Putrajaya	0.4	0.1	0.1	0.2	0.3	0.8	0.8	0.5	0.4	0.3	0.4

Jadual B4.4: Penduduk bekerja mengikut negeri, kumpulan umur dan strata, Malaysia, 2023 (samb.)

Table B4.4: Employed persons by state, age group and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural											
Negeri State	Jumlah Total	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64
Jumlah ('000) Total	2,731.1	84.2	379.2	428.6	397.9	384.6	314.6	250.0	210.7	182.4	98.8
Johor	357.0	6.5	68.1	55.4	49.5	42.5	35.5	29.3	26.2	23.1	21.0
Kedah	201.6	5.0	30.2	39.4	26.6	22.1	16.9	18.7	16.1	15.5	11.1
Kelantan	265.2	7.5	31.0	40.1	35.0	35.4	31.2	29.5	23.5	24.2	7.7
Melaka	16.9	0.4	2.8	2.3	2.3	2.8	2.4	1.5	1.0	1.0	0.3
Negeri Sembilan	101.3	2.7	11.6	14.6	17.2	16.9	13.0	8.0	6.7	6.5	3.8
Pahang	260.7	5.5	28.2	37.9	42.2	44.9	34.5	26.8	17.7	14.5	8.5
Pulau Pinang	23.8	0.4	3.4	4.1	3.5	3.2	2.7	1.7	2.4	1.8	0.6
Perak	193.0	3.9	24.3	31.5	28.0	30.0	24.9	18.5	12.9	12.4	6.7
Perlis	32.9	1.4	5.3	5.4	3.7	4.5	4.3	3.3	2.0	1.7	1.2
Selangor	175.9	4.2	16.2	27.8	33.0	30.8	24.3	9.9	14.4	10.6	4.7
Terengganu	126.3	3.6	17.7	19.6	14.0	18.4	15.9	14.5	11.1	7.6	3.9
Sabah	570.7	34.2	93.5	90.0	85.9	78.6	63.4	46.1	37.2	28.5	13.3
Sarawak	401.0	9.0	46.5	59.6	56.4	53.8	44.7	41.7	38.9	34.4	16.0
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.9	0.0	0.6	0.7	0.6	0.6	0.9	0.4	0.5	0.5	0.2
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.1	7.7	18.0	12.9	12.4	11.0	11.3	11.7	12.4	12.6	21.3
Kedah	7.4	5.9	8.0	9.2	6.7	5.8	5.4	7.5	7.6	8.5	11.2
Kelantan	9.7	8.9	8.2	9.4	8.8	9.2	9.9	11.8	11.2	13.3	7.8
Melaka	0.6	0.5	0.7	0.5	0.6	0.7	0.7	0.6	0.5	0.5	0.3
Negeri Sembilan	3.7	3.2	3.1	3.4	4.3	4.4	4.1	3.2	3.2	3.6	3.9
Pahang	9.5	6.5	7.4	8.8	10.6	11.7	11.0	10.7	8.4	8.0	8.6
Pulau Pinang	0.9	0.5	0.9	1.0	0.9	0.8	0.9	0.7	1.1	1.0	0.6
Perak	7.1	4.6	6.4	7.4	7.0	7.8	7.9	7.4	6.1	6.8	6.7
Perlis	1.2	1.7	1.4	1.3	0.9	1.2	1.4	1.3	1.0	0.9	1.2
Selangor	6.4	5.0	4.3	6.5	8.3	8.0	7.7	4.0	6.8	5.8	4.7
Terengganu	4.6	4.3	4.7	4.6	3.5	4.8	5.1	5.8	5.3	4.1	3.9
Sabah	20.9	40.6	24.6	21.0	21.6	20.4	20.1	18.4	17.7	15.6	13.4
Sarawak	14.7	10.7	12.3	13.9	14.2	14.0	14.2	16.7	18.4	18.9	16.1
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.0	0.2	0.2	0.1	0.2	0.3	0.2	0.2	0.3	0.2
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.5: Penduduk bekerja mengikut negeri dan pekerjaan, Malaysia, 2023

Table B4.5: *Employed persons by state and occupation, Malaysia, 2023*

Negeri State	Jumlah Total	Pengurus Managers	Profesional Professionals	Juruteknik dan profesional bersekutu Technicians and associate professionals	Pekerja sokongan perkeranian Clerical support workers	Pekerja perkhidmatan dan jualan Service and sales workers	Pekerja mahir pertanian, perhutanan, penterbangan, dan perikanan Skilled agricultural, forestry, livestock and fishery workers	Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	Pekerja Asas Elementary occupations
Jumlah ('000) Total	15,813.4	762.5	2,141.5	1,906.8	1,562.9	3,744.0	703.1	1,402.3	1,634.1	1,956.2
Johor	2,017.9	86.2	198.4	252.8	189.0	501.4	62.9	183.0	307.7	236.5
Kedah	927.5	31.2	105.4	95.2	70.5	228.6	67.2	98.2	134.1	97.2
Kelantan	661.1	18.9	69.5	46.3	46.5	217.6	26.7	75.3	49.4	110.8
Melaka	499.8	28.4	67.5	70.8	46.3	115.4	16.4	33.1	67.8	54.0
Negeri Sembilan	536.1	32.6	84.8	67.5	44.3	127.1	11.1	37.3	64.1	67.3
Pahang	720.9	22.7	70.0	59.8	53.8	190.0	65.0	64.5	67.8	127.3
Pulau Pinang	905.6	48.0	146.7	119.5	95.8	191.1	7.5	68.7	146.6	81.8
Perak	1,104.2	57.6	134.0	112.4	99.1	272.4	40.9	90.0	134.6	163.2
Perlis	124.9	5.2	17.1	9.6	8.2	39.7	7.8	15.0	9.9	12.4
Selangor	3,858.9	243.1	650.7	636.9	508.7	805.0	52.8	378.4	329.3	253.8
Terengganu	462.4	13.9	47.6	44.9	34.5	130.7	27.3	81.2	29.7	52.6
Sabah	1,622.2	42.9	137.7	142.1	126.1	391.0	166.6	115.5	113.8	386.5
Sarawak	1,192.5	39.3	108.5	103.6	104.9	263.4	144.0	104.5	108.5	215.8
W.P. Kuala Lumpur	1,077.9	89.4	285.5	126.4	110.7	255.8	5.7	51.9	65.6	86.9
W.P. Labuan	43.4	1.8	4.8	6.7	6.4	8.1	1.1	5.3	3.2	6.1
W.P. Putrajaya	58.1	1.4	13.3	12.3	17.8	6.7	0.1	0.4	2.0	4.0
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.8	11.3	9.3	13.3	12.1	13.4	8.9	13.1	18.8	12.1
Kedah	5.9	4.1	4.9	5.0	4.5	6.1	9.6	7.0	8.2	5.0
Kelantan	4.2	2.5	3.2	2.4	3.0	5.8	3.8	5.4	3.0	5.7
Melaka	3.2	3.7	3.2	3.7	3.0	3.1	2.3	2.4	4.1	2.8
Negeri Sembilan	3.4	4.3	4.0	3.5	2.8	3.4	1.6	2.7	3.9	3.4
Pahang	4.6	3.0	3.3	3.1	3.4	5.1	9.2	4.6	4.1	6.5
Pulau Pinang	5.7	6.3	6.8	6.3	6.1	5.1	1.1	4.9	9.0	4.2
Perak	7.0	7.6	6.3	5.9	6.3	7.3	5.8	6.4	8.2	8.3
Perlis	0.8	0.7	0.8	0.5	0.5	1.1	1.1	1.1	0.6	0.6
Selangor	24.4	31.9	30.4	33.4	32.6	21.5	7.5	27.0	20.2	13.0
Terengganu	2.9	1.8	2.2	2.4	2.2	3.5	3.9	5.8	1.8	2.7
Sabah	10.3	5.6	6.4	7.5	8.1	10.4	23.7	8.2	7.0	19.8
Sarawak	7.5	5.2	5.1	5.4	6.7	7.0	20.5	7.5	6.6	11.0
W.P. Kuala Lumpur	6.8	11.7	13.3	6.6	7.1	6.8	0.8	3.7	4.0	4.4
W.P. Labuan	0.3	0.2	0.2	0.4	0.4	0.2	0.2	0.4	0.2	0.3
W.P. Putrajaya	0.4	0.2	0.6	0.6	1.1	0.2	0.0	0.0	0.1	0.2

Jadual B4.6: Penduduk bekerja mengikut negeri, pekerjaan dan jantina, Malaysia, 2023

Table B4.6: *Employed persons by state, occupation and sex, Malaysia, 2023*

Lelaki/Male Negeri State	Jumlah Total	Pengurus Managers	Profesional Professionals	Juruteknik dan profesional bersekutu Technicians and associate professionals	Pekerja sokongan perkeranian Clerical support workers	Pekerja perkhidmatan dan jualan Service and sales workers	Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan Skilled agricultural	Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	Pekerja Asas Elementary occupations
Jumlah ('000) Total	9,849.5	569.2	1,067.6	1,354.6	497.1	1,854.9	580.8	1,109.0	1,316.6	1,499.8
Johor	1,369.5	71.1	105.6	192.6	56.7	287.3	59.8	154.4	257.0	184.9
Kedah	588.2	26.1	45.8	65.6	22.8	118.9	60.9	77.3	95.9	75.1
Kelantan	413.9	15.0	27.5	24.8	13.1	109.7	21.5	61.6	44.8	95.9
Melaka	306.0	19.5	30.2	44.2	13.7	65.3	15.6	27.5	47.7	42.3
Negeri Sembilan	336.9	27.5	38.1	47.1	13.6	68.2	9.9	31.9	50.9	49.8
Pahang	483.1	18.7	31.5	36.8	17.5	96.2	58.0	51.8	61.8	110.9
Pulau Pinang	549.3	36.1	80.7	86.6	27.9	101.4	6.2	51.8	101.3	57.3
Perak	711.9	44.6	59.4	73.0	33.2	150.0	38.4	75.6	107.0	130.8
Perlis	77.8	3.9	7.6	5.8	3.1	20.6	7.5	11.4	7.8	9.9
Selangor	2,244.0	161.9	337.8	493.6	162.3	313.6	50.4	263.3	256.8	204.4
Terengganu	307.9	10.5	20.0	31.9	13.2	70.6	24.2	66.9	28.6	42.0
Sabah	1,017.5	30.5	68.8	90.1	48.9	186.5	129.6	96.8	103.2	263.2
Sarawak	758.0	32.6	53.8	68.6	34.9	132.7	92.0	86.9	93.8	162.7
W.P. Kuala Lumpur	630.2	69.1	151.7	83.2	29.0	125.9	5.7	46.7	55.0	63.7
W.P. Labuan	27.1	1.2	2.5	4.7	2.2	4.0	1.0	4.9	3.1	3.4
W.P. Putrajaya	28.1	0.9	6.6	6.0	5.0	3.9	0.1	0.3	1.9	3.4
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.9	12.5	9.9	14.2	11.4	15.5	10.3	13.9	19.5	12.3
Kedah	6.0	4.6	4.3	4.8	4.6	6.4	10.5	7.0	7.3	5.0
Kelantan	4.2	2.6	2.6	1.8	2.6	5.9	3.7	5.6	3.4	6.4
Melaka	3.1	3.4	2.8	3.3	2.8	3.5	2.7	2.5	3.6	2.8
Negeri Sembilan	3.4	4.8	3.6	3.5	2.7	3.7	1.7	2.9	3.9	3.3
Pahang	4.9	3.3	2.9	2.7	3.5	5.2	10.0	4.7	4.7	7.4
Pulau Pinang	5.6	6.3	7.6	6.4	5.6	5.5	1.1	4.7	7.7	3.8
Perak	7.2	7.8	5.6	5.4	6.7	8.1	6.6	6.8	8.1	8.7
Perlis	0.8	0.7	0.7	0.4	0.6	1.1	1.3	1.0	0.6	0.7
Selangor	22.8	28.4	31.6	36.4	32.6	16.9	8.7	23.7	19.5	13.6
Terengganu	3.1	1.8	1.9	2.4	2.7	3.8	4.2	6.0	2.2	2.8
Sabah	10.3	5.4	6.4	6.6	9.8	10.1	22.3	8.7	7.8	17.5
Sarawak	7.7	5.7	5.0	5.1	7.0	7.2	15.8	7.8	7.1	10.9
W.P. Kuala Lumpur	6.4	12.1	14.2	6.1	5.8	6.8	1.0	4.2	4.2	4.2
W.P. Labuan	0.3	0.2	0.2	0.4	0.4	0.2	0.2	0.4	0.2	0.2
W.P. Putrajaya	0.3	0.2	0.6	0.4	1.0	0.2	0.0	0.0	0.1	0.2

Jadual B4.6: Penduduk bekerja mengikut negeri, pekerjaan dan jantina, Malaysia, 2023 (samb.)

Table B4.6: Employed persons by state, occupation and sex, Malaysia, 2023 (cont'd)

Perempuan/Female Negeri State	Jumlah Total	Pengurus Managers	Profesional Professionals	Juruteknik dan profesional bersekutu Technicians and associate professionals	Pekerja sokongan perkeraniandan Clerical support workers	Pekerja perkhidmatan dan jualan Service and sales workers	Pekerja mahir pertanian, perhutanan, penterbakan, dan perikanan Skilled agricultural forestry, livestock workers and fishery workers	Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	Operator mesin dan loji, dan pemasangan Plant and machine operators and assemblers	Pekerja Asas Elementary occupations
Jumlah ('000) Total	5,963.8	193.4	1,074.0	552.2	1,065.8	1,889.0	122.3	293.2	317.5	456.4
Johor	648.4	15.1	92.8	60.2	132.3	214.1	3.1	28.6	50.7	51.6
Kedah	339.3	5.1	59.6	29.6	47.7	109.7	6.4	20.9	38.2	22.1
Kelantan	247.2	3.9	42.1	21.5	33.4	107.9	5.2	13.7	4.6	14.9
Melaka	193.7	8.9	37.3	26.6	32.6	50.1	0.8	5.6	20.1	11.7
Negeri Sembilan	199.2	5.0	46.8	20.4	30.7	58.9	1.2	5.4	13.3	17.5
Pahang	237.8	4.0	38.5	23.0	36.3	93.8	7.0	12.7	6.0	16.4
Pulau Pinang	356.3	11.9	66.0	32.9	67.9	89.7	1.3	16.9	45.3	24.5
Perak	392.3	13.0	74.6	39.4	65.9	122.4	2.5	14.4	27.6	32.5
Perlis	47.1	1.3	9.4	3.8	5.1	19.1	0.3	3.6	2.0	2.5
Selangor	1,614.9	81.3	312.9	143.3	346.4	491.4	2.4	115.2	72.5	49.4
Terengganu	154.4	3.4	27.5	13.0	21.4	60.1	3.1	14.3	1.1	10.5
Sabah	604.7	12.4	69.0	52.1	77.2	204.5	37.0	18.7	10.5	123.4
Sarawak	434.5	6.7	54.6	35.0	70.0	130.7	52.0	17.6	14.7	53.1
W.P. Kuala Lumpur	447.7	20.3	133.8	43.1	81.7	129.8	0.0	5.1	10.6	23.2
W.P. Labuan	16.3	0.6	2.2	1.9	4.3	4.0	0.0	0.4	0.1	2.7
W.P. Putrajaya	30.0	0.5	6.7	6.3	12.9	2.8	0.0	0.1	0.1	0.6
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	10.9	7.8	8.6	10.9	12.4	11.3	2.5	9.8	16.0	11.3
Kedah	5.7	2.6	5.5	5.4	4.5	5.8	5.2	7.1	12.0	4.8
Kelantan	4.1	2.0	3.9	3.9	3.1	5.7	4.2	4.7	1.5	3.3
Melaka	3.2	4.6	3.5	4.8	3.1	2.7	0.7	1.9	6.3	2.6
Negeri Sembilan	3.3	2.6	4.4	3.7	2.9	3.1	1.0	1.8	4.2	3.8
Pahang	4.0	2.1	3.6	4.2	3.4	5.0	5.7	4.3	1.9	3.6
Pulau Pinang	6.0	6.1	6.1	6.0	6.4	4.7	1.1	5.8	14.3	5.4
Perak	6.6	6.7	6.9	7.1	6.2	6.5	2.1	4.9	8.7	7.1
Perlis	0.8	0.7	0.9	0.7	0.5	1.0	0.3	1.2	0.6	0.5
Selangor	27.1	42.0	29.1	25.9	32.5	26.0	2.0	39.3	22.8	10.8
Terengganu	2.6	1.7	2.6	2.4	2.0	3.2	2.5	4.9	0.3	2.3
Sabah	10.1	6.4	6.4	9.4	7.2	10.8	30.3	6.4	3.3	27.0
Sarawak	7.3	3.4	5.1	6.3	6.6	6.9	42.5	6.0	4.6	11.6
W.P. Kuala Lumpur	7.5	10.5	12.5	7.8	7.7	6.9	0.0	1.7	3.3	5.1
W.P. Labuan	0.3	0.3	0.2	0.4	0.4	0.2	0.0	0.1	0.0	0.6
W.P. Putrajaya	0.5	0.3	0.6	1.1	1.2	0.1	0.0	0.0	0.0	0.1

Jadual B4.7: Penduduk bekerja mengikut negeri, pekerjaan dan strata, Malaysia, 2023

Table B4.7: Employed persons by state, occupation and strata, Malaysia, 2023

Bandar/ Negeri State	Jumlah Total	Pengurus Managers	Profesional Professionals	Juruteknik dan profesional bersekutu Technicians and associate professionals	Pekerja sokongan perkeranian Clerical support workers	Pekerja perkhidmatan dan jualan Service and sales workers	Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan Skilled agricultural forestry, livestock and fishery workers	Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	Operator mesin dan loji, dan pemasangan Plant and machine operators and assemblers	Pekerja Asas Elementary occupations
Jumlah ('000) Total	13,082.3	698.1	1,960.8	1,753.8	1,411.8	3,220.7	294.8	1,175.6	1,343.2	1,223.6
Johor	1,661.0	72.8	176.0	223.4	160.0	433.1	36.9	153.1	248.2	157.4
Kedah	725.9	27.9	95.5	84.3	62.7	193.5	30.6	73.6	98.6	59.1
Kelantan	395.8	11.7	44.3	31.6	33.9	146.8	6.0	43.0	28.2	50.2
Melaka	482.9	27.6	66.3	69.2	45.2	112.0	15.5	32.1	65.7	49.1
Negeri Sembilan	434.9	27.8	74.8	58.5	38.4	104.1	4.4	31.1	50.1	45.6
Pahang	460.2	19.2	57.1	50.4	42.6	138.9	22.7	45.2	43.4	40.7
Pulau Pinang	881.8	47.2	144.2	116.7	93.3	186.7	6.0	66.8	141.0	79.9
Perak	911.2	53.1	120.7	104.1	90.8	238.3	16.2	78.0	110.4	99.7
Perlis	92.0	4.3	14.6	7.8	6.1	28.7	4.4	11.3	6.7	8.1
Selangor	3,683.0	234.9	629.9	621.1	492.9	769.2	50.0	365.5	311.6	207.7
Terengganu	336.1	11.2	38.3	36.6	26.2	97.8	12.8	60.9	22.2	30.0
Sabah	1,051.6	34.1	105.7	116.8	97.2	302.3	44.5	87.4	70.5	193.0
Sarawak	791.5	33.7	90.3	88.4	88.0	199.4	38.4	70.4	76.3	106.8
W.P. Kuala Lumpur	1,077.9	89.4	285.5	126.4	110.7	255.8	5.7	51.9	65.6	86.9
W.P. Labuan	38.4	1.7	4.2	6.0	5.8	7.2	0.6	4.7	2.9	5.4
W.P. Putrajaya	58.1	1.4	13.3	12.3	17.8	6.7	0.1	0.5	2.0	4.0
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.7	10.4	9.0	12.7	11.3	13.4	12.5	13.0	18.5	12.9
Kedah	5.5	4.0	4.9	4.8	4.4	6.0	10.4	6.3	7.3	4.8
Kelantan	3.0	1.7	2.3	1.8	2.4	4.6	2.0	3.7	2.1	4.1
Melaka	3.7	4.0	3.4	3.9	3.2	3.5	5.3	2.7	4.9	4.0
Negeri Sembilan	3.3	4.0	3.8	3.3	2.7	3.2	1.5	2.6	3.7	3.7
Pahang	3.5	2.7	2.9	2.9	3.0	4.3	7.7	3.8	3.2	3.3
Pulau Pinang	6.7	6.8	7.4	6.7	6.6	5.8	2.0	5.7	10.5	6.5
Perak	7.0	7.6	6.2	5.9	6.4	7.4	5.5	6.6	8.2	8.1
Perlis	0.7	0.6	0.7	0.4	0.4	0.9	1.5	1.0	0.5	0.7
Selangor	28.2	33.6	32.1	35.4	34.9	23.9	17.0	31.1	23.2	17.0
Terengganu	2.6	1.6	2.0	2.1	1.9	3.0	4.4	5.2	1.7	2.5
Sabah	8.0	4.9	5.4	6.7	6.9	9.4	15.1	7.4	5.2	15.8
Sarawak	6.1	4.8	4.6	5.0	6.2	6.2	13.0	6.0	5.7	8.7
W.P. Kuala Lumpur	8.2	12.8	14.6	7.2	7.8	7.9	1.9	4.4	4.9	7.1
W.P. Labuan	0.3	0.2	0.2	0.3	0.4	0.2	0.2	0.4	0.2	0.4
W.P. Putrajaya	0.4	0.2	0.7	0.7	1.3	0.2	0.0	0.0	0.1	0.3

Jadual B4.7: Penduduk bekerja mengikut negeri, pekerjaan dan strata, Malaysia, 2023 (samb.)

Table B4.7: Employed persons by state, occupation and strata, Malaysia, 2023 (cont'd)

Luar bandar/ Negeri State	Jumlah Total	Pengurus Managers	Profesional Professionals	Juruteknik dan profesional bersekutu Technicians and associate professionals	Pekerja sokongan perkeranian Clerical support workers	Pekerja perkhidmatan dan jualan Service and sales workers	Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan Skilled agricultural forestry, livestock and fishery workers	Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	Pekerja Asas Elementary occupations
Jumlah ('000) Total	2,731.1	64.4	180.8	153.0	151.1	523.3	408.3	226.7	290.9	732.6
Johor	357.0	13.3	22.4	29.3	29.0	68.2	26.0	29.9	59.5	79.2
Kedah	201.6	3.3	9.8	10.8	7.9	35.1	36.6	24.5	35.5	38.1
Kelantan	265.2	7.2	25.3	14.7	12.5	70.8	20.7	32.3	21.2	60.6
Melaka	16.9	0.8	1.2	1.6	1.1	3.4	0.9	0.9	2.1	4.9
Negeri Sembilan	101.3	4.8	10.1	9.0	5.9	22.9	6.7	6.2	14.0	21.7
Pahang	260.7	3.5	12.9	9.5	11.2	51.1	42.2	19.3	24.4	86.6
Pulau Pinang	23.8	0.7	2.5	2.7	2.6	4.4	1.6	1.8	5.6	1.9
Perak	193.0	4.6	13.3	8.3	8.3	34.1	24.7	11.9	24.2	63.6
Perlis	32.9	0.9	2.5	1.8	2.1	11.0	3.4	3.7	3.2	4.3
Selangor	175.9	8.3	20.8	15.8	15.8	35.8	2.8	12.9	17.8	46.0
Terengganu	126.3	2.7	9.3	8.3	8.3	32.9	14.4	20.4	7.5	22.5
Sabah	570.7	8.8	32.1	25.3	28.9	88.8	122.1	28.1	43.2	193.5
Sarawak	401.0	5.6	18.1	15.2	17.0	64.0	105.6	34.1	32.3	109.1
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.9	0.2	0.5	0.7	0.6	0.8	0.5	0.6	0.3	0.7
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.1	20.7	12.4	19.2	19.2	13.0	6.4	13.2	20.5	10.8
Kedah	7.4	5.1	5.4	7.1	5.2	6.7	9.0	10.8	12.2	5.2
Kelantan	9.7	11.1	14.0	9.6	8.3	13.5	5.1	14.3	7.3	8.3
Melaka	0.6	1.2	0.7	1.1	0.7	0.7	0.2	0.4	0.7	0.7
Negeri Sembilan	3.7	7.4	5.6	5.9	3.9	4.4	1.6	2.7	4.8	3.0
Pahang	9.5	5.4	7.1	6.2	7.4	9.8	10.3	8.5	8.4	11.8
Pulau Pinang	0.9	1.2	1.4	1.8	1.7	0.8	0.4	0.8	1.9	0.3
Perak	7.1	7.1	7.3	5.4	5.5	6.5	6.1	5.3	8.3	8.7
Perlis	1.2	1.4	1.4	1.2	1.4	2.1	0.8	1.6	1.1	0.6
Selangor	6.4	12.8	11.5	10.3	10.5	6.8	0.7	5.7	6.1	6.3
Terengganu	4.6	4.1	5.1	5.4	5.5	6.3	3.5	9.0	2.6	3.1
Sabah	20.9	13.6	17.7	16.5	19.1	17.0	29.9	12.4	14.9	26.4
Sarawak	14.7	8.7	10.0	9.9	11.2	12.2	25.9	15.0	11.1	14.9
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.2	0.3	0.4	0.4	0.2	0.1	0.3	0.1	0.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.8: Penduduk bekerja mengikut negeri dan industri, Malaysia, 2023

Table B4.8: Employed persons by state and industry, Malaysia, 2023

Negeri <i>State</i>	Jumlah ¹ <i>Total</i>	Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	Pembuatan <i>Manufacturing</i>	Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemuliharaan <i>Water supply; sewerage, waste management and remediation activities</i>	Pembinaan <i>Construction</i>	Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>
Jumlah ('000) <i>Total</i>	15,813.4	1,437.4	88.8	2,597.8	81.5	85.5	1,284.5	2,991.5
Johor	2,017.9	125.4	14.2	490.5	10.1	14.4	165.0	434.3
Kedah	927.5	92.3	2.4	184.0	4.9	8.3	65.5	164.0
Kelantan	661.1	65.5	0.9	66.3	1.4	1.1	79.3	145.2
Melaka	499.8	20.3	1.2	109.7	2.7	3.5	35.4	101.7
Negeri Sembilan	536.1	31.0	3.1	93.0	5.8	5.7	38.6	84.0
Pahang	720.9	156.1	2.5	79.4	4.4	7.1	41.1	106.8
Pulau Pinang	905.6	16.1	0.4	322.3	3.1	2.9	55.1	131.4
Perak	1,104.2	116.6	3.2	190.6	5.2	2.5	83.5	193.2
Perlis	124.9	9.0	0.2	11.7	0.6	1.2	10.2	19.9
Selangor	3,858.9	80.3	40.0	625.0	23.4	23.9	333.2	785.9
Terengganu	462.4	41.3	5.6	56.0	3.5	2.0	65.2	80.7
Sabah	1,622.2	410.1	4.1	138.0	5.7	2.4	119.0	310.4
Sarawak	1,192.5	268.4	5.9	137.7	7.7	7.4	102.1	191.3
W.P. Kuala Lumpur	1,077.9	3.7	1.1	87.9	2.6	2.5	85.6	231.3
W.P. Labuan	43.4	0.9	4.2	4.7	0.3	0.2	3.0	5.8
W.P. Putrajaya	58.1	0.3	-	0.9	0.1	0.1	2.7	5.6
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.8	8.7	16.0	18.9	12.4	16.9	12.8	14.5
Kedah	5.9	6.4	2.7	7.1	6.0	9.7	5.1	5.5
Kelantan	4.2	4.6	1.0	2.6	1.7	1.3	6.2	4.9
Melaka	3.2	1.4	1.4	4.2	3.3	4.1	2.8	3.4
Negeri Sembilan	3.4	2.2	3.5	3.6	7.1	6.7	3.0	2.8
Pahang	4.6	10.9	2.8	3.1	5.4	8.3	3.2	3.6
Pulau Pinang	5.7	1.1	0.4	12.4	3.8	3.4	4.3	4.4
Perak	7.0	8.1	3.6	7.3	6.4	3.0	6.5	6.5
Perlis	0.8	0.6	0.2	0.5	0.7	1.4	0.8	0.7
Selangor	24.4	5.6	45.1	24.1	28.7	27.9	25.9	26.3
Terengganu	2.9	2.9	6.3	2.2	4.3	2.4	5.1	2.7
Sabah	10.3	28.5	4.6	5.3	7.0	2.8	9.3	10.4
Sarawak	7.5	18.7	6.6	5.3	9.4	8.7	7.9	6.4
W.P. Kuala Lumpur	6.8	0.3	1.2	3.4	3.2	2.9	6.7	7.7
W.P. Labuan	0.3	0.1	4.7	0.2	0.4	0.2	0.2	0.2
W.P. Putrajaya	0.4	0.0	-	0.0	0.1	0.1	0.2	0.2

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual B4.8: Penduduk bekerja mengikut negeri dan industri, Malaysia, 2023 (samb.)

Table B4.8: Employed persons by state and industry, Malaysia, 2023 (cont'd)

Negeri State	Pengangkutan dan penyimpanan Transportation and storage	Penginapan dan aktiviti perkhidmatan makanan dan minuman Accommodation and food and beverage service activities	Maklumat dan komunikasi Information and communication	Aktiviti kewangan dan insurans/takaful Financial and insurance/takaful activities	Aktiviti hartanah Real estate activities	Aktiviti profesional, saintifik dan teknikal Professional, scientific and technical activities	Aktiviti pentadbiran dan khidmat sokongan Administrative and support service activities
Jumlah ('000) Total	735.3	1,592.8	268.1	434.2	92.8	390.3	886.3
Johor	96.6	166.5	13.9	36.5	15.1	46.9	97.9
Kedah	33.8	93.0	5.1	14.9	1.8	14.2	49.4
Kelantan	26.2	71.8	2.0	8.5	1.0	7.9	43.4
Melaka	15.0	43.8	6.3	12.6	2.9	9.7	26.5
Negeri Sembilan	29.4	56.6	5.2	12.9	2.6	12.3	39.4
Pahang	29.5	72.1	4.1	8.1	0.8	9.9	42.8
Pulau Pinang	55.4	86.1	9.2	22.1	5.2	22.7	37.6
Perak	38.5	119.7	9.4	18.7	2.4	17.8	59.8
Perlis	4.1	22.0	0.5	1.3	0.0	0.5	8.1
Selangor	235.3	427.6	128.3	172.9	37.4	123.8	232.2
Terengganu	15.2	53.7	4.1	5.8	0.2	6.9	32.4
Sabah	55.8	152.8	9.0	14.3	1.6	16.5	83.6
Sarawak	47.2	89.3	7.8	18.4	2.7	23.0	54.7
W.P. Kuala Lumpur	49.1	132.4	61.7	84.5	18.1	76.6	72.6
W.P. Labuan	2.9	3.7	0.2	1.5	0.6	0.6	5.0
W.P. Putrajaya	1.4	1.8	1.2	1.2	0.2	1.1	1.0
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.1	10.5	5.2	8.4	16.3	12.0	11.0
Kedah	4.6	5.8	1.9	3.4	1.9	3.6	5.6
Kelantan	3.6	4.5	0.7	2.0	1.1	2.0	4.9
Melaka	2.0	2.7	2.4	2.9	3.2	2.5	3.0
Negeri Sembilan	4.0	3.6	1.9	3.0	2.8	3.2	4.4
Pahang	4.0	4.5	1.5	1.9	0.8	2.5	4.8
Pulau Pinang	7.5	5.4	3.4	5.1	5.6	5.8	4.2
Perak	5.2	7.5	3.5	4.3	2.6	4.6	6.7
Perlis	0.6	1.4	0.2	0.3	0.0	0.1	0.9
Selangor	32.0	26.8	47.9	39.8	40.3	31.7	26.2
Terengganu	2.1	3.4	1.5	1.3	0.3	1.8	3.7
Sabah	7.6	9.6	3.4	3.3	1.8	4.2	9.4
Sarawak	6.4	5.6	2.9	4.2	3.0	5.9	6.2
W.P. Kuala Lumpur	6.7	8.3	23.0	19.5	19.5	19.6	8.2
W.P. Labuan	0.4	0.2	0.1	0.3	0.6	0.2	0.6
W.P. Putrajaya	0.2	0.1	0.4	0.3	0.2	0.3	0.1

Jadual B4.8: Penduduk bekerja mengikut negeri dan industri, Malaysia, 2023 (samb.)

Table B4.8: Employed persons by state and industry, Malaysia, 2023 (cont'd)

Negeri State	Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	Pendidikan Education	Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	Aktiviti perkhidmatan lain Other service activities	Aktiviti isi rumah sebagai majikan Activities of households as employers
Jumlah ('000) Total	797.1	989.5	626.4	72.5	261.6	96.5
Johor	64.4	104.8	71.3	12.8	29.5	7.8
Kedah	66.4	73.2	38.1	5.8	9.4	1
Kelantan	36.1	55.1	36.5	2.5	9.7	0.5
Melaka	37.3	41.5	18.2	2.8	7.2	1.6
Negeri Sembilan	40	39.8	22	3.5	7.4	3.8
Pahang	54.5	59.7	29.2	1.8	9.7	1.2
Pulau Pinang	32.9	47.1	33.4	2.2	14.3	5.9
Perak	67	97.2	55.5	4.7	15.4	3.2
Perlis	13	13.6	6.6	0.4	1.8	0.2
Selangor	119.1	198.2	154.9	19.8	92.7	4.9
Terengganu	32.2	33	15	1.5	7.2	0.8
Sabah	81.8	88.1	48.6	5.5	18.2	56.6
Sarawak	87.9	77.5	44.7	3.1	13.5	2.2
W.P. Kuala Lumpur	28.1	55.7	45.6	5.6	24.3	6.1
W.P. Labuan	3.7	2.6	1.7	0.4	0.9	0.5
W.P. Putrajaya	32.6	2.6	5.1	0.1	0.2	0
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0
Johor	8.1	10.6	11.4	17.7	11.3	8.1
Kedah	8.3	7.4	6.1	8.0	3.6	1.1
Kelantan	4.5	5.6	5.8	3.5	3.7	0.5
Melaka	4.7	4.2	2.9	3.9	2.8	1.6
Negeri Sembilan	5.0	4.0	3.5	4.8	2.8	3.9
Pahang	6.8	6.0	4.7	2.5	3.7	1.2
Pulau Pinang	4.1	4.8	5.3	3.1	5.5	6.1
Perak	8.4	9.8	8.9	6.5	5.9	3.3
Perlis	1.6	1.4	1.1	0.6	0.7	0.2
Selangor	14.9	20.0	24.7	27.2	35.4	5.1
Terengganu	4.0	3.3	2.4	2.1	2.7	0.9
Sabah	10.3	8.9	7.8	7.6	7.0	58.6
Sarawak	11.0	7.8	7.1	4.2	5.2	2.3
W.P. Kuala Lumpur	3.5	5.6	7.3	7.7	9.3	6.4
W.P. Labuan	0.5	0.3	0.3	0.5	0.3	0.5
W.P. Putrajaya	4.1	0.3	0.8	0.1	0.1	0.0

Jadual B4.9: Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2023

Table B4.9: Employed persons by state, industry and sex, Malaysia, 2023

Lelaki/Male Negeri State	Jumlah ¹ Total	Pertanian, perhutanan dan perikanan Agriculture, forestry and fishing	Perlombongan dan pengkuarian Mining and quarrying	Pembuatan Manufacturing	Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	Pembinaan Construction	Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal Wholesale and retail trade; repair of motor vehicles and motorcycles
Jumlah ('000) Total	9,849.6	1,195.9	59.1	1,704.6	73.9	68.2	1,127.6	1,693.9
Johor	1,369.5	112.0	10.9	345.6	9.3	12.8	154.3	290.8
Kedah	588.2	82.8	0.7	112.8	4.3	6.5	61.2	98.7
Kelantan	413.9	54.6	0.7	39.7	1.2	0.9	73.0	89.2
Melaka	306.0	17.0	0.2	69.7	2.1	2.6	31.8	58.9
Negeri Sembilan	336.9	27.5	2.2	63.3	5.6	4.3	35.0	50.2
Pahang	483.1	143.1	2.2	57.7	3.8	6.5	38.0	55.8
Pulau Pinang	549.3	10.9	0.2	202.7	2.9	2.2	52.1	78.1
Perak	711.9	108.4	2.5	127.4	4.9	2.0	70.7	126.2
Perlis	77.8	8.5	0.2	5.5	0.6	1.1	9.9	12.7
Selangor	2,244.0	48.7	23.9	423.0	22.9	16.7	269.8	396.9
Terengganu	307.9	38.6	4.5	34.2	3.4	1.3	63.1	48.0
Sabah	1,017.5	353.0	3.3	90.2	4.5	2.2	111.2	151.6
Sarawak	758.0	186.0	4.1	89.8	5.8	6.4	90.9	104.4
W.P. Kuala Lumpur	630.2	3.7	-	39.0	2.3	2.5	61.1	126.6
W.P. Labuan	27.1	0.9	3.5	3.5	0.3	0.1	2.8	2.5
W.P. Putrajaya	28.1	0.1	-	0.7	-	0.1	2.6	3.3
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.9	9.4	18.5	20.3	12.5	18.8	13.7	17.2
Kedah	6.0	6.9	1.2	6.6	5.8	9.6	5.4	5.8
Kelantan	4.2	4.6	1.2	2.3	1.6	1.3	6.5	5.3
Melaka	3.1	1.4	0.4	4.1	2.9	3.8	2.8	3.5
Negeri Sembilan	3.4	2.3	3.7	3.7	7.6	6.3	3.1	3.0
Pahang	4.9	12.0	3.8	3.4	5.2	9.5	3.4	3.3
Pulau Pinang	5.6	0.9	0.3	11.9	4.0	3.3	4.6	4.6
Perak	7.2	9.1	4.2	7.5	6.7	2.9	6.3	7.5
Perlis	0.8	0.7	0.3	0.3	0.8	1.6	0.9	0.8
Selangor	22.8	4.1	40.4	24.8	31.0	24.5	23.9	23.4
Terengganu	3.1	3.2	7.6	2.0	4.5	1.9	5.6	2.8
Sabah	10.3	29.5	5.6	5.3	6.0	3.2	9.9	9.0
Sarawak	7.7	15.6	7.0	5.3	7.9	9.4	8.1	6.2
W.P. Kuala Lumpur	6.4	0.3	-	2.3	3.1	3.6	5.4	7.5
W.P. Labuan	0.3	0.1	6.0	0.2	0.4	0.1	0.3	0.1
W.P. Putrajaya	0.3	0.0	-	0.0	-	0.1	0.2	0.2

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual B4.9: Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2023 (samb.)

Table B4.9: Employed persons by state, industry and sex, Malaysia, 2023 (cont'd)

Lelaki/Male Negeri State	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	Maklumat dan komunikasi <i>Information and communication</i>	Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	Aktiviti hartanah <i>Real estate activities</i>	Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>
Jumlah ('000) Total	581.4	815.5	182.1	208.2	57.0	212.5	542.1
Johor	79.2	100.7	9.7	16.3	10.7	24.3	63.0
Kedah	28.7	48.6	3.2	6.3	0.9	7.8	33.6
Kelantan	24.2	32.4	1.7	4.0	0.9	3.3	30.3
Melaka	12.2	28.7	3.9	5.1	1.7	3.6	18.6
Negeri Sembilan	24.5	30.9	3.3	5.9	1.7	6.2	26.7
Pahang	25.4	34.4	3.1	3.5	0.6	4.0	25.7
Pulau Pinang	44.2	50.0	6.7	8.3	2.8	9.9	26.8
Perak	31.8	65.4	6.0	8.2	1.0	6.9	38.4
Perlis	3.8	10.9	0.4	0.7	0.0	0.3	6.5
Selangor	164.1	195.8	90.2	94.7	24.3	62.5	116.3
Terengganu	14.3	27.8	2.7	1.5	0.2	3.8	20.5
Sabah	49.0	64.2	6.6	6.4	1.1	8.5	38.2
Sarawak	40.5	46.1	4.5	6.8	0.8	12.0	38.4
W.P. Kuala Lumpur	35.9	76.9	39.2	39.6	9.6	58.4	55.0
W.P. Labuan	2.5	1.7	0.1	0.5	0.5	0.3	3.6
W.P. Putrajaya	1.2	0.9	0.8	0.5	0.2	0.7	0.7
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.6	12.3	5.3	7.8	18.7	11.4	11.6
Kedah	4.9	6.0	1.7	3.0	1.6	3.7	6.2
Kelantan	4.2	4.0	1.0	1.9	1.5	1.6	5.6
Melaka	2.1	3.5	2.1	2.5	3.0	1.7	3.4
Negeri Sembilan	4.2	3.8	1.8	2.8	3.0	2.9	4.9
Pahang	4.4	4.2	1.7	1.7	1.1	1.9	4.7
Pulau Pinang	7.6	6.1	3.7	4.0	4.9	4.6	4.9
Perak	5.5	8.0	3.3	3.9	1.7	3.3	7.1
Perlis	0.6	1.3	0.2	0.3	0.0	0.2	1.2
Selangor	28.2	24.0	49.6	45.5	42.6	29.4	21.4
Terengganu	2.5	3.4	1.5	0.7	0.4	1.8	3.8
Sabah	8.4	7.9	3.6	3.1	1.9	4.0	7.0
Sarawak	7.0	5.7	2.5	3.3	1.5	5.6	7.1
W.P. Kuala Lumpur	6.2	9.4	21.5	19.0	16.8	27.5	10.1
W.P. Labuan	0.4	0.2	0.1	0.2	0.9	0.1	0.7
W.P. Putrajaya	0.2	0.1	0.4	0.3	0.4	0.3	0.1

Jadual B4.9: Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2023 (samb.)

Table B4.9: Employed persons by state, industry and sex, Malaysia, 2023 (cont'd)

Lelaki/Male Negeri State	Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	Pendidikan Education	Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	Aktiviti perkhidmatan lain Other service activities	Aktiviti isi rumah sebagai majikan Activities of households as employers
Jumlah ('000) <i>Total</i>	563.3	341.2	223.9	39.2	154.5	2.8
Johor	42.9	39.3	21.8	9.7	15.6	0.7
Kedah	47.3	26.4	10.9	1.6	5.9	-
Kelantan	22.0	15.5	11.9	1.2	7.1	-
Melaka	23.0	15.3	5.9	1.7	3.9	-
Negeri Sembilan	26.1	12.5	5.8	1.9	3.3	0.1
Pahang	41.8	21.7	8.9	1.4	5.3	0.2
Pulau Pinang	19.1	14.0	7.5	1.3	9.2	0.4
Perak	50.2	33.4	17.1	2.8	8.4	0.2
Perlis	8.8	4.6	1.9	0.3	1.3	-
Selangor	89.4	60.0	80.5	7.6	56.0	0.7
Terengganu	21.9	11.3	4.3	1.0	5.7	0.1
Sabah	59.4	34.1	18.4	4.2	11.1	0.3
Sarawak	66.4	30.6	13.7	1.7	8.9	0.2
W.P. Kuala Lumpur	27.9	20.7	14.0	2.8	12.6	-
W.P. Labuan	2.6	0.8	0.6	0.2	0.1	-
W.P. Putrajaya	14.6	0.8	0.8	-	0.1	-
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0
Johor	7.6	11.5	9.7	24.6	10.1	26.1
Kedah	8.4	7.7	4.9	4.2	3.8	-
Kelantan	3.9	4.6	5.3	3.2	4.6	-
Melaka	4.1	4.5	2.6	4.3	2.5	-
Negeri Sembilan	4.6	3.7	2.6	4.7	2.1	1.8
Pahang	7.4	6.4	4.0	3.6	3.4	7.7
Pulau Pinang	3.4	4.1	3.4	3.4	6.0	12.9
Perak	8.9	9.8	7.6	7.1	5.4	8.1
Perlis	1.6	1.3	0.8	0.7	0.8	-
Selangor	15.9	17.6	36.0	19.3	36.2	23.7
Terengganu	3.9	3.3	1.9	2.7	3.7	2.0
Sabah	10.5	10.0	8.2	10.6	7.2	11.1
Sarawak	11.8	9.0	6.1	4.2	5.8	6.6
W.P. Kuala Lumpur	5.0	6.1	6.3	7.0	8.2	-
W.P. Labuan	0.5	0.2	0.3	0.4	0.1	-
W.P. Putrajaya	2.6	0.2	0.4	-	0.1	-

Jadual B4.9: Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2023 (samb.)

Table B4.9: Employed persons by state, industry and sex, Malaysia, 2023 (cont'd)

Perempuan/Female Negeri State	Jumlah ¹ Total	Pertanian, perhutanan dan perikanan Agriculture, forestry and fishing	Perlombongan dan pengkuarian Mining and quarrying	Pembuatan Manufacturing	Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	Pembinaan Construction	Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal Wholesale and retail trade; repair of motor vehicles and motorcycles
Jumlah ('000) Total	5,963.6	241.6	29.7	893.2	7.6	17.2	156.9	1,297.6
Johor	648.5	13.4	3.2	144.9	0.9	1.6	10.7	143.5
Kedah	339.3	9.6	1.7	71.2	0.7	1.8	4.3	65.3
Kelantan	247.2	10.9	0.2	26.7	0.2	0.2	6.3	56.0
Melaka	193.7	3.2	1.0	40.0	0.6	0.9	3.6	42.8
Negeri Sembilan	199.2	3.5	1.0	29.7	0.2	1.4	3.6	33.8
Pahang	237.8	13.0	0.3	21.7	0.6	0.7	3.1	51.0
Pulau Pinang	356.3	5.2	0.2	119.6	0.2	0.7	2.9	53.3
Perak	392.3	8.2	0.8	63.3	0.3	0.5	12.8	67.0
Perlis	47.1	0.5	-	6.2	-	0.1	0.3	7.2
Selangor	1,614.9	31.6	16.1	202.0	0.5	7.2	63.4	389.0
Terengganu	154.4	2.8	1.1	21.8	0.2	0.7	2.1	32.7
Sabah	604.7	57.1	0.8	47.8	1.2	0.2	7.7	158.7
Sarawak	434.5	82.4	1.8	47.9	1.8	1.0	11.1	86.9
W.P. Kuala Lumpur	447.6	-	1.1	48.9	0.3	-	24.5	104.7
W.P. Labuan	16.3	0.0	0.7	1.2	0.0	0.1	0.2	3.3
W.P. Putrajaya	30.0	0.2	-	0.3	0.1	0.0	0.2	2.3
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	10.9	5.5	10.9	16.2	11.4	9.5	6.8	11.1
Kedah	5.7	4.0	5.7	8.0	8.9	10.3	2.7	5.0
Kelantan	4.1	4.5	0.5	3.0	2.4	1.3	4.0	4.3
Melaka	3.2	1.3	3.3	4.5	7.4	5.5	2.3	3.3
Negeri Sembilan	3.3	1.4	3.2	3.3	2.6	8.3	2.3	2.6
Pahang	4.0	5.4	0.9	2.4	7.7	3.9	2.0	3.9
Pulau Pinang	6.0	2.1	0.7	13.4	2.5	4.1	1.9	4.1
Perak	6.6	3.4	2.5	7.1	3.5	3.1	8.1	5.2
Perlis	0.8	0.2	-	0.7	-	0.6	0.2	0.6
Selangor	27.1	13.1	54.3	22.6	6.6	41.5	40.4	30.0
Terengganu	2.6	1.2	3.6	2.4	2.2	4.3	1.4	2.5
Sabah	10.1	23.6	2.6	5.4	16.4	1.1	4.9	12.2
Sarawak	7.3	34.1	5.9	5.4	23.8	5.8	7.1	6.7
W.P. Kuala Lumpur	7.5	-	3.6	5.5	3.5	-	15.6	8.1
W.P. Labuan	0.3	0.0	2.3	0.1	0.4	0.5	0.1	0.3
W.P. Putrajaya	0.5	0.1	-	0.0	0.7	0.0	0.1	0.2

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual B4.9: Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2023 (samb.)

Table B4.9: Employed persons by state, industry and sex, Malaysia, 2023 (cont'd)

Perempuan/Female Negeri State	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	Maklumat dan komunikasi <i>Information and communication</i>	Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	Aktiviti hartanah <i>Real estate activities</i>	Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>
Jumlah ('000) <i>Total</i>	153.9	777.3	86.0	226.0	35.8	177.8	344.3
Johor	17.4	65.8	4.2	20.2	4.4	22.6	34.9
Kedah	5.0	44.4	1.9	8.6	0.9	6.4	15.8
Kelantan	2.0	39.4	0.3	4.6	0.2	4.6	13.1
Melaka	2.8	15.0	2.5	7.4	1.2	6.0	7.8
Negeri Sembilan	4.9	25.7	1.9	7.1	0.9	6.1	12.6
Pahang	4.1	37.7	1.0	4.6	0.2	5.9	17.1
Pulau Pinang	11.2	36.1	2.5	13.9	2.4	12.8	10.8
Perak	6.7	54.3	3.4	10.5	1.4	10.9	21.5
Perlis	0.4	11.1	0.1	0.6	0.0	0.2	1.6
Selangor	71.1	231.8	38.1	78.3	13.1	61.3	115.9
Terengganu	1.0	25.8	1.5	4.4	-	3.1	11.9
Sabah	6.8	88.7	2.4	7.9	0.5	8.0	45.5
Sarawak	6.7	43.2	3.3	11.6	1.9	11.0	16.3
W.P. Kuala Lumpur	13.3	55.5	22.5	44.9	8.5	18.2	17.7
W.P. Labuan	0.4	2.0	0.1	1.0	0.1	0.3	1.4
W.P. Putrajaya	0.2	0.9	0.4	0.6	-	0.4	0.3
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	11.3	8.5	4.9	8.9	12.4	12.7	10.1
Kedah	3.3	5.7	2.2	3.8	2.4	3.6	4.6
Kelantan	1.3	5.1	0.3	2.0	0.5	2.6	3.8
Melaka	1.8	1.9	2.9	3.3	3.4	3.4	2.3
Negeri Sembilan	3.2	3.3	2.2	3.1	2.6	3.4	3.7
Pahang	2.7	4.8	1.2	2.0	0.5	3.3	5.0
Pulau Pinang	7.3	4.7	2.9	6.1	6.8	7.2	3.1
Perak	4.3	7.0	4.0	4.6	3.9	6.1	6.2
Perlis	0.2	1.4	0.1	0.3	0.1	0.1	0.5
Selangor	46.2	29.8	44.3	34.6	36.7	34.5	33.7
Terengganu	0.6	3.3	1.7	1.9	-	1.7	3.5
Sabah	4.4	11.4	2.8	3.5	1.5	4.5	13.2
Sarawak	4.4	5.6	3.8	5.1	5.3	6.2	4.7
W.P. Kuala Lumpur	8.6	7.1	26.2	19.9	23.7	10.2	5.1
W.P. Labuan	0.3	0.3	0.1	0.4	0.3	0.2	0.4
W.P. Putrajaya	0.1	0.1	0.5	0.3	-	0.2	0.1

Jadual B4.9: Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2023 (samb.)

Table B4.9: Employed persons by state, industry and sex, Malaysia, 2023 (cont'd)

Perempuan/Female Negeri State	Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	Pendidikan Education	Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	Aktiviti perkhidmatan lain Other service activities	Aktiviti isi rumah sebagai majikan Activities of households as employers
Jumlah ('000) <i>Total</i>	233.8	648.4	402.4	33.3	107.1	93.7
Johor	21.6	65.5	49.5	3.2	13.9	7.1
Kedah	19.1	46.8	27.1	4.2	3.5	1.0
Kelantan	14.1	39.5	24.7	1.3	2.6	0.5
Melaka	14.2	26.2	12.3	1.1	3.3	1.6
Negeri Sembilan	13.9	27.3	16.2	1.7	4.1	3.7
Pahang	12.7	38.0	20.3	0.4	4.5	1.0
Pulau Pinang	13.8	33.1	25.9	0.9	5.1	5.6
Perak	16.8	63.8	38.4	1.9	7.0	3.0
Perlis	4.2	9.0	4.8	0.1	0.5	0.2
Selangor	29.6	138.1	74.4	12.2	36.7	4.3
Terengganu	10.3	21.7	10.7	0.5	1.5	0.8
Sabah	22.4	54.0	30.2	1.4	7.1	56.3
Sarawak	21.5	46.9	31.0	1.4	4.6	2.0
W.P. Kuala Lumpur	0.2	35.0	31.6	2.8	11.8	6.1
W.P. Labuan	1.1	1.9	1.1	0.2	0.7	0.5
W.P. Putrajaya	18.1	1.8	4.2	0.1	0.1	0.0
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0
Johor	9.2	10.1	12.3	9.5	13.0	7.6
Kedah	8.2	7.2	6.7	12.6	3.3	1.1
Kelantan	6.0	6.1	6.1	3.9	2.4	0.6
Melaka	6.1	4.0	3.1	3.4	3.1	1.7
Negeri Sembilan	6.0	4.2	4.0	5.0	3.9	4.0
Pahang	5.5	5.9	5.0	1.1	4.2	1.0
Pulau Pinang	5.9	5.1	6.4	2.8	4.8	5.9
Perak	7.2	9.8	9.5	5.8	6.5	3.2
Perlis	1.8	1.4	1.2	0.4	0.5	0.2
Selangor	12.7	21.3	18.5	36.5	34.3	4.6
Terengganu	4.4	3.3	2.7	1.4	1.4	0.8
Sabah	9.6	8.3	7.5	4.2	6.6	60.1
Sarawak	9.2	7.2	7.7	3.0	4.3	2.2
W.P. Kuala Lumpur	0.1	5.4	7.9	8.4	11.0	6.6
W.P. Labuan	0.5	0.3	0.3	0.7	0.7	0.5
W.P. Putrajaya	7.7	0.3	1.1	0.2	0.1	0.0

Jadual B4.10: Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2023
Table B4.10: Employed persons by state, industry and strata, Malaysia, 2023

Bandar/Urban Negeri State	Jumlah ¹ Total	Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	Perlombongan dan pengkuarian <i>Mining and quarrying</i>	Pembuatan <i>Manufacturing</i>	Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	Pembinaan <i>Construction</i>	Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>
Jumlah ('000) Total	13,082.3	522.3	77.1	2,270.7	71.1	74.9	1,063.5	2,647.3
Johor	1,661.0	58.5	12.2	415.0	8.4	12.2	125.2	376.0
Kedah	725.9	36.5	2.1	145.3	4.4	7.1	47.8	139.8
Kelantan	395.8	17.8	0.3	44.0	0.4	0.5	45.4	95.2
Melaka	482.9	14.9	1.2	107.0	2.7	3.3	34.3	100.1
Negeri Sembilan	434.8	11.6	3.0	77.4	5.5	4.5	32.4	71.9
Pahang	460.2	43.6	1.3	49.8	3.7	5.9	28.9	79.6
Pulau Pinang	881.8	14.2	0.4	313.9	3.1	2.8	53.6	128.7
Perak	911.2	45.8	2.1	164.9	4.4	2.1	69.5	172.7
Perlis	92.0	4.9	0.1	8.8	0.5	1.0	7.9	15.3
Selangor	3,683.0	46.0	39.5	604.0	22.6	23.3	315.5	761.8
Terengganu	336.1	14.7	4.2	44.7	3.0	1.6	49.7	66.7
Sabah	1,051.6	131.7	2.5	96.3	3.7	1.6	98.1	243.4
Sarawak	791.5	77.6	3.3	106.4	5.6	6.3	64.2	153.8
W.P. Kuala Lumpur	1,077.9	3.7	1.1	87.9	2.6	2.5	85.6	231.3
W.P. Labuan	38.4	0.5	4.0	4.3	0.3	0.1	2.6	5.4
W.P. Putrajaya	58.1	0.3	-	0.9	0.1	0.1	2.7	5.6
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.7	11.2	15.8	18.3	11.9	16.3	11.8	14.2
Kedah	5.6	7.0	2.7	6.4	6.2	9.4	4.5	5.3
Kelantan	3.0	3.4	0.4	1.9	0.6	0.7	4.3	3.6
Melaka	3.7	2.8	1.6	4.7	3.8	4.5	3.2	3.8
Negeri Sembilan	3.3	2.2	3.9	3.4	7.8	6.0	3.0	2.7
Pahang	3.5	8.4	1.7	2.2	5.3	8.0	2.7	3.0
Pulau Pinang	6.7	2.7	0.5	13.8	4.4	3.7	5.0	4.9
Perak	7.0	8.8	2.7	7.3	6.2	2.8	6.5	6.5
Perlis	0.7	0.9	0.2	0.4	0.7	1.4	0.7	0.6
Selangor	28.2	8.8	51.2	26.6	31.8	31.1	29.7	28.8
Terengganu	2.6	2.8	5.5	2.0	4.2	2.1	4.7	2.5
Sabah	8.0	25.2	3.2	4.2	5.2	2.2	9.2	9.2
Sarawak	6.1	14.9	4.2	4.7	7.8	8.4	6.0	5.8
W.P. Kuala Lumpur	8.2	0.7	1.4	3.9	3.6	3.3	8.0	8.7
W.P. Labuan	0.3	0.1	5.2	0.2	0.4	0.2	0.2	0.2
W.P. Putrajaya	0.4	0.1	-	0.0	0.1	0.2	0.3	0.2

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual B4.10: Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2023 (samb.)
Table B4.10: Employed persons by state, industry and strata, Malaysia, 2023 (cont'd)

Bandar/Urban Negeri State	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	Maklumat dan komunikasi <i>Information and communication</i>	Aktiviti keuangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	Aktiviti hartanah <i>Real estate activities</i>	Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>
Jumlah ('000) <i>Total</i>	648.8	1,372.0	257.8	416.3	90.5	372.2	740.7
Johor	84.9	131.3	11.6	34.3	14.4	42.5	81.2
Kedah	25.1	74.0	5.0	13.9	1.6	13.0	36.8
Kelantan	12.4	46.2	1.3	6.5	0.5	5.6	25.0
Melaka	14.5	42.6	6.0	12.3	2.9	9.6	25.5
Negeri Sembilan	26.6	45.1	4.5	12.0	2.6	11.5	30.4
Pahang	21.4	49.7	3.1	6.5	0.6	8.9	29.1
Pulau Pinang	53.7	83.6	9.2	21.8	5.1	22.6	36.8
Perak	34.5	102.3	8.7	17.6	2.3	16.9	48.0
Perlis	2.6	16.2	0.2	1.0	0.0	0.3	5.0
Selangor	226.6	411.5	126.9	169.6	37.2	121.0	219.9
Terengganu	10.9	35.3	3.6	5.0	0.2	5.6	22.3
Sabah	43.5	125.8	7.6	11.9	1.6	14.4	63.9
Sarawak	38.8	70.9	7.0	16.9	2.6	21.9	38.8
W.P. Kuala Lumpur	49.1	132.4	61.7	84.5	18.1	76.6	72.6
W.P. Labuan	2.6	3.3	0.1	1.3	0.5	0.5	4.4
W.P. Putrajaya	1.4	1.8	1.2	1.2	0.2	1.1	1.0
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.1	9.6	4.5	8.2	15.9	11.4	11.0
Kedah	3.9	5.4	1.9	3.3	1.7	3.5	5.0
Kelantan	1.9	3.4	0.5	1.5	0.6	1.5	3.4
Melaka	2.2	3.1	2.3	3.0	3.2	2.6	3.4
Negeri Sembilan	4.1	3.3	1.7	2.9	2.9	3.1	4.1
Pahang	3.3	3.6	1.2	1.6	0.7	2.4	3.9
Pulau Pinang	8.3	6.1	3.6	5.2	5.7	6.1	5.0
Perak	5.3	7.5	3.4	4.2	2.5	4.5	6.5
Perlis	0.4	1.2	0.1	0.2	0.0	0.1	0.7
Selangor	34.9	30.0	49.2	40.7	41.0	32.5	29.7
Terengganu	1.7	2.6	1.4	1.2	0.3	1.5	3.0
Sabah	6.7	9.2	3.0	2.9	1.8	3.9	8.6
Sarawak	6.0	5.2	2.7	4.1	2.8	5.9	5.2
W.P. Kuala Lumpur	7.6	9.6	23.9	20.3	20.0	20.6	9.8
W.P. Labuan	0.4	0.2	0.0	0.3	0.5	0.1	0.6
W.P. Putrajaya	0.2	0.1	0.5	0.3	0.3	0.3	0.1

Jadual B4.10: Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2023 (samb.)

Table B4.10: Employed persons by state, industry and strata, Malaysia, 2023 (cont'd)

Bandar/Urban Negeri State	Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	Pendidikan <i>Education</i>	Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	Aktiviti perkhidmatan lain <i>Other service activities</i>	Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>
Jumlah ('000) <i>Total</i>	688.8	847.6	560.3	64.2	228.4	65.0
Johor	54.6	87.3	65.5	11.5	26.9	7.4
Kedah	59.1	67.2	33.0	4.9	8.4	1.0
Kelantan	26.8	33.3	26.0	1.5	6.6	0.4
Melaka	36.6	40.4	17.6	2.7	7.1	1.6
Negeri Sembilan	30.5	33.8	18.3	3.2	6.3	3.6
Pahang	45.4	47.9	24.6	1.5	7.3	1.2
Pulau Pinang	31.8	45.5	32.7	2.2	14.1	5.9
Perak	60.8	87.0	50.6	4.2	14.0	2.9
Perlis	10.0	10.9	5.6	0.3	1.3	-
Selangor	113.6	188.7	150.3	18.7	81.9	4.5
Terengganu	23.5	24.8	12.2	1.1	6.0	0.8
Sabah	63.1	62.6	35.5	3.9	13.3	26.9
Sarawak	69.0	57.6	36.4	2.4	10.1	2.0
W.P. Kuala Lumpur	28.1	55.7	45.6	5.6	24.3	6.1
W.P. Labuan	3.2	2.2	1.5	0.3	0.8	0.4
W.P. Putrajaya	32.6	2.6	5.1	0.1	0.2	0.0
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0
Johor	7.9	10.3	11.7	17.9	11.8	11.4
Kedah	8.6	7.9	5.9	7.6	3.7	1.6
Kelantan	3.9	3.9	4.6	2.4	2.9	0.6
Melaka	5.3	4.8	3.1	4.3	3.1	2.4
Negeri Sembilan	4.4	4.0	3.3	5.0	2.7	5.6
Pahang	6.6	5.7	4.4	2.4	3.2	1.8
Pulau Pinang	4.6	5.4	5.8	3.5	6.2	9.1
Perak	8.8	10.3	9.0	6.5	6.1	4.5
Perlis	1.5	1.3	1.0	0.5	0.6	-
Selangor	16.5	22.3	26.8	29.1	35.9	6.9
Terengganu	3.4	2.9	2.2	1.8	2.6	1.3
Sabah	9.2	7.4	6.3	6.1	5.8	41.4
Sarawak	10.0	6.8	6.5	3.7	4.4	3.1
W.P. Kuala Lumpur	4.1	6.6	8.1	8.7	10.7	9.4
W.P. Labuan	0.5	0.3	0.3	0.5	0.4	0.7
W.P. Putrajaya	4.7	0.3	0.9	0.1	0.1	0.0

Jadual B4.10: Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2023 (samb.)

Table B4.10: Employed persons by state, industry and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural Negeri State	Jumlah ¹ Total	Pertanian, perhutanan dan perikanan Agriculture, forestry and fishing	Perlombongan dan pengkuarian Mining and quarrying	Pembuatan Manufacturing	Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	Pembinaan Construction	Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal Wholesale and retail trade; repair of motor vehicles and motorcycles
Jumlah ('000) Total	2,731.1	915.2	11.7	327.1	10.4	10.5	221.0	344.2
Johor	357.0	66.9	2.0	75.5	1.7	2.2	39.8	58.3
Kedah	201.6	55.8	0.3	38.7	0.5	1.2	17.7	24.2
Kelantan	265.2	47.7	0.6	22.3	1.0	0.6	33.9	50.0
Melaka	16.9	5.4	-	2.8	-	0.2	1.2	1.6
Negeri Sembilan	101.3	19.4	0.1	15.5	0.3	1.2	6.2	12.0
Pahang	260.7	112.5	1.2	29.6	0.7	1.3	12.1	27.3
Pulau Pinang	23.8	1.9	-	8.4	0.0	0.1	1.4	2.7
Perak	193.0	70.8	1.2	25.7	0.8	0.4	14.0	20.5
Perlis	32.9	4.2	0.1	3.0	0.1	0.2	2.3	4.6
Selangor	175.9	34.3	0.5	21.1	0.8	0.6	17.8	24.1
Terengganu	126.3	26.6	1.3	11.2	0.5	0.5	15.5	14.0
Sabah	570.7	278.5	1.6	41.7	2.0	0.8	20.8	67.0
Sarawak	401.0	190.8	2.6	31.3	2.1	1.2	37.8	37.5
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.9	0.5	0.2	0.4	0.1	0.0	0.5	0.4
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.1	7.3	17.3	23.1	16.4	21.3	18.0	16.9
Kedah	7.4	6.1	2.7	11.8	5.1	11.7	8.0	7.0
Kelantan	9.7	5.2	4.9	6.8	9.1	6.0	15.4	14.5
Melaka	0.6	0.6	-	0.9	-	1.8	0.5	0.5
Negeri Sembilan	3.7	2.1	0.8	4.7	2.4	11.7	2.8	3.5
Pahang	9.5	12.3	10.1	9.0	6.4	12.0	5.5	7.9
Pulau Pinang	0.9	0.2	-	2.6	0.2	1.3	0.6	0.8
Perak	7.1	7.7	10.0	7.9	7.4	3.8	6.3	6.0
Perlis	1.2	0.5	0.5	0.9	0.8	1.8	1.0	1.3
Selangor	6.4	3.7	4.7	6.4	7.7	5.7	8.0	7.0
Terengganu	4.6	2.9	11.5	3.4	4.8	4.5	7.0	4.1
Sabah	20.9	30.4	13.7	12.7	19.0	7.2	9.4	19.5
Sarawak	14.7	20.9	22.3	9.6	20.0	11.0	17.1	10.9
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.1	1.5	0.1	0.5	0.1	0.2	0.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

¹ Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah' / Total includes 'Activities of extraterritorial organizations and bodies'

Jadual B4.10: Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2023 (samb.)

Table B4.10: Employed persons by state, industry and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural Negeri State	Pengangkutan dan penyimpanan Transportation and storage	Penginapan dan aktiviti perkhidmatan makanan dan minuman Accommodation and food and beverage service activities	Maklumat dan komunikasi Information and communication	Aktiviti keuangan dan insurans/takaful Financial and insurance/takaful activities	Aktiviti hartanah Real estate activities	Aktiviti profesional, saintifik dan teknikal Professional, scientific and technical activities	Aktiviti pentadbiran dan khidmat sokongan Administrative and support service activities
Jumlah ('000) Total	86.5	220.9	10.3	18	2.3	18.1	145.7
Johor	11.7	35.1	2.3	2.2	0.7	4.4	16.7
Kedah	8.7	18.9	0.1	1	0.2	1.2	12.6
Kelantan	13.7	25.6	0.7	2.1	0.5	2.3	18.4
Melaka	0.4	1.2	0.4	0.2	-	0	0.9
Negeri Sembilan	2.8	11.5	0.7	0.9	-	0.8	9
Pahang	8.1	22.4	0.9	1.6	0.2	0.9	13.7
Pulau Pinang	1.7	2.5	0.1	0.3	0.1	0.1	0.8
Perak	4	17.4	0.7	1.1	0.1	0.9	11.8
Perlis	1.5	5.8	0.2	0.2	-	0.2	3.1
Selangor	8.6	16.1	1.4	3.4	0.3	2.8	12.4
Terengganu	4.3	18.4	0.5	0.9	-	1.3	10.1
Sabah	12.3	27	1.4	2.5	-	2.1	19.7
Sarawak	8.4	18.4	0.8	1.4	0.2	1.1	15.9
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.3	0.3	0.1	0.1	0.1	0.1	0.6
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.5	15.9	22.3	12.4	29.8	24.2	11.5
Kedah	10.0	8.6	1.0	5.3	9.3	6.7	8.6
Kelantan	15.9	11.6	6.9	11.5	21.8	12.6	12.6
Melaka	0.5	0.5	3.5	1.3	-	0.3	0.6
Negeri Sembilan	3.2	5.2	6.7	5.2	-	4.4	6.2
Pahang	9.3	10.2	9.0	8.9	6.8	5.2	9.4
Pulau Pinang	1.9	1.1	0.6	1.9	2.7	0.7	0.5
Perak	4.6	7.9	7.1	6.2	4.8	5.0	8.1
Perlis	1.8	2.6	2.2	1.3	-	0.9	2.1
Selangor	10.0	7.3	13.9	18.8	12.2	15.3	8.5
Terengganu	5.0	8.3	4.9	4.8	-	7.0	6.9
Sabah	14.2	12.2	13.4	13.7	-	11.4	13.5
Sarawak	9.7	8.3	7.3	8.0	8.5	5.9	10.9
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.3	0.1	1.1	0.7	4.1	0.4	0.4
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.10: Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2023 (samb.)
Table B4.10: Employed persons by state, industry and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural Negeri State	Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	Pendidikan Education	Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	Aktiviti perkhidmatan lain Other service activities	Aktiviti isi rumah sebagai majikan Activities of households as employers
Jumlah ('000) <i>Total</i>	108.2	141.9	66.1	8.4	33.2	31.4
Johor	9.8	17.4	5.8	1.3	2.6	0.4
Kedah	7.3	6.0	5.1	0.9	1.1	-
Kelantan	9.3	21.7	10.6	1.0	3.1	0.2
Melaka	0.7	1.1	0.6	0.1	0.1	-
Negeri Sembilan	9.5	6.0	3.6	0.3	1.1	0.2
Pahang	9.1	11.8	4.7	0.2	2.5	-
Pulau Pinang	1.1	1.6	0.8	0.0	0.2	-
Perak	6.2	10.2	4.9	0.5	1.4	0.3
Perlis	2.9	2.7	1.1	0.1	0.5	0.2
Selangor	5.4	9.4	4.6	1.1	10.9	0.4
Terengganu	8.7	8.2	2.8	0.4	1.2	-
Sabah	18.7	25.5	13.1	1.6	4.9	29.6
Sarawak	18.9	19.9	8.3	0.7	3.4	0.2
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.5	0.4	0.2	0.0	0.1	0.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0
Johor	9.1	12.3	8.8	16.0	8.0	1.3
Kedah	6.7	4.2	7.7	11.0	3.3	-
Kelantan	8.6	15.3	16.0	12.3	9.3	0.5
Melaka	0.6	0.8	0.9	1.1	0.4	-
Negeri Sembilan	8.8	4.2	5.5	3.7	3.5	0.5
Pahang	8.4	8.3	7.0	2.9	7.4	-
Pulau Pinang	1.0	1.1	1.1	0.2	0.7	-
Perak	5.7	7.2	7.4	6.4	4.3	0.8
Perlis	2.7	1.9	1.6	1.0	1.5	0.5
Selangor	5.0	6.6	6.9	12.7	32.7	1.3
Terengganu	8.0	5.8	4.3	4.4	3.6	-
Sabah	17.3	18.0	19.8	19.3	14.7	94.3
Sarawak	17.5	14.0	12.5	8.4	10.3	0.5
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.5	0.3	0.3	0.5	0.3	0.2
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.11: Penduduk bekerja mengikut negeri dan taraf pekerjaan, Malaysia, 2023
Table B4.11: Employed persons by state and status in employment, Malaysia, 2023

Negeri State	Jumlah Total	Majikan Employer	Pekerja Employee	Bekerja sendiri Own account worker	Pekerja keluarga tanpa gaji Unpaid family worker
Jumlah ('000) Total	15,813.4	578.1	12,419.7	2,375.2	440.3
Johor	2,017.9	57.1	1,658.1	269.7	33.0
Kedah	927.5	12.8	675.9	205.2	33.6
Kelantan	661.1	12.5	450.9	177.4	20.2
Melaka	499.8	16.3	415.6	63.8	4.1
Negeri Sembilan	536.1	18.1	418.2	86.1	13.7
Pahang	720.9	15.4	540.3	149.4	15.8
Pulau Pinang	905.6	34.1	771.3	93.0	7.3
Perak	1,104.2	45.0	874.8	159.9	24.5
Perlis	124.9	4.0	90.1	29.3	1.5
Selangor	3,858.9	240.1	3,007.3	456.9	154.5
Terengganu	462.4	11.4	334.7	104.9	11.4
Sabah	1,622.2	31.1	1,256.7	284.0	50.4
Sarawak	1,192.5	26.6	924.4	182.6	58.9
W.P. Kuala Lumpur	1,077.9	51.5	908.3	107.3	10.8
W.P. Labuan	43.4	1.3	37.9	3.8	0.4
W.P. Putrajaya	58.1	0.9	55.1	1.8	0.3
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	12.8	9.9	13.4	11.4	7.5
Kedah	5.9	2.2	5.4	8.6	7.6
Kelantan	4.2	2.2	3.6	7.5	4.6
Melaka	3.2	2.8	3.3	2.7	0.9
Negeri Sembilan	3.4	3.1	3.4	3.6	3.1
Pahang	4.6	2.7	4.4	6.3	3.6
Pulau Pinang	5.7	5.9	6.2	3.9	1.6
Perak	7.0	7.8	7.0	6.7	5.6
Perlis	0.8	0.7	0.7	1.2	0.3
Selangor	24.4	41.5	24.2	19.2	35.1
Terengganu	2.9	2.0	2.7	4.4	2.6
Sabah	10.3	5.4	10.1	12.0	11.5
Sarawak	7.5	4.6	7.4	7.7	13.4
W.P. Kuala Lumpur	6.8	8.9	7.3	4.5	2.5
W.P. Labuan	0.3	0.2	0.3	0.2	0.1
W.P. Putrajaya	0.4	0.1	0.4	0.1	0.1

Jadual B4.12: Penduduk bekerja mengikut negeri, taraf pekerjaan dan jantina, Malaysia, 2023
Table B4.12: Employed persons by state, status in employment and sex, Malaysia, 2023

Lelaki/Male					
Negeri State	Jumlah Total	Majikan Employer	Pekerja Employee	Bekerja sendiri Own account worker	Pekerja keluarga tanpa gaji Unpaid family worker
Jumlah ('000) Total	9,849.5	453.4	7,527.9	1,665.1	203.2
Johor	1,369.5	51.8	1,105.8	196.2	15.6
Kedah	588.2	9.7	408.1	158.2	12.2
Kelantan	413.9	10.0	265.2	129.2	9.5
Melaka	306.0	10.6	250.2	43.6	1.6
Negeri Sembilan	336.9	14.7	257.1	58.6	6.6
Pahang	483.1	12.3	357.8	104.8	8.2
Pulau Pinang	549.3	29.1	461.6	56.5	2.1
Perak	711.9	37.1	541.9	122.6	10.4
Perlis	77.8	2.9	52.9	20.8	1.1
Selangor	2,244.0	172.2	1,713.3	280.1	78.5
Terengganu	307.9	8.5	227.0	69.6	2.8
Sabah	1,017.5	24.4	752.1	212.6	28.3
Sarawak	758.0	22.1	587.4	127.6	20.9
W.P. Kuala Lumpur	630.2	46.5	498.0	80.7	5.1
W.P. Labuan	27.1	0.8	23.3	2.7	0.2
W.P. Putrajaya	28.1	0.6	26.2	1.2	0.1
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	13.9	11.4	14.7	11.8	7.7
Kedah	6.0	2.1	5.4	9.5	6.0
Kelantan	4.2	2.2	3.5	7.8	4.7
Melaka	3.1	2.3	3.3	2.6	0.8
Negeri Sembilan	3.4	3.2	3.4	3.5	3.3
Pahang	4.9	2.7	4.8	6.3	4.0
Pulau Pinang	5.6	6.4	6.1	3.4	1.0
Perak	7.2	8.2	7.2	7.4	5.1
Perlis	0.8	0.6	0.7	1.2	0.6
Selangor	22.8	38.0	22.8	16.8	38.6
Terengganu	3.1	1.9	3.0	4.2	1.4
Sabah	10.3	5.4	10.0	12.8	13.9
Sarawak	7.7	4.9	7.8	7.7	10.3
W.P. Kuala Lumpur	6.4	10.3	6.6	4.8	2.5
W.P. Labuan	0.3	0.2	0.3	0.2	0.1
W.P. Putrajaya	0.3	0.1	0.3	0.1	0.0

Jadual B4.12: Penduduk bekerja mengikut negeri, taraf pekerjaan dan jantina, Malaysia, 2023 (samb.)

Table B4.12: Employed persons by state, status in employment and sex, Malaysia, 2023 (cont'd)

Perempuan/Female					
Negeri State	Jumlah Total	Majikan Employer	Pekerja Employee	Bekerja sendiri Own account worker	Pekerja keluarga tanpa gaji Unpaid family worker
Jumlah ('000) Total	5,963.8	124.7	4,891.8	710.1	237.2
Johor	648.4	5.3	552.3	73.4	17.5
Kedah	339.3	3.1	267.8	47.0	21.3
Kelantan	247.2	2.5	185.8	48.2	10.7
Melaka	193.7	5.7	165.5	20.2	2.4
Negeri Sembilan	199.2	3.4	161.2	27.6	7.1
Pahang	237.8	3.1	182.5	44.6	7.6
Pulau Pinang	356.3	5.1	309.7	36.4	5.1
Perak	392.3	7.9	333.0	37.3	14.1
Perlis	47.1	1.1	37.2	8.5	0.4
Selangor	1,614.9	68.0	1,294.0	176.8	76.1
Terengganu	154.4	2.8	107.7	35.3	8.6
Sabah	604.7	6.6	504.5	71.5	22.1
Sarawak	434.5	4.5	337.0	55.0	38.0
W.P. Kuala Lumpur	447.7	5.0	410.3	26.6	5.8
W.P. Labuan	16.3	0.5	14.6	1.0	0.1
W.P. Putrajaya	30.0	0.3	28.9	0.6	0.3
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	10.9	4.3	11.3	10.3	7.4
Kedah	5.7	2.5	5.5	6.6	9.0
Kelantan	4.1	2.0	3.8	6.8	4.5
Melaka	3.2	4.5	3.4	2.8	1.0
Negeri Sembilan	3.3	2.7	3.3	3.9	3.0
Pahang	4.0	2.5	3.7	6.3	3.2
Pulau Pinang	6.0	4.1	6.3	5.1	2.2
Perak	6.6	6.4	6.8	5.3	5.9
Perlis	0.8	0.8	0.8	1.2	0.2
Selangor	27.1	54.5	26.5	24.9	32.1
Terengganu	2.6	2.3	2.2	5.0	3.6
Sabah	10.1	5.3	10.3	10.1	9.3
Sarawak	7.3	3.6	6.9	7.7	16.0
W.P. Kuala Lumpur	7.5	4.0	8.4	3.7	2.4
W.P. Labuan	0.3	0.4	0.3	0.1	0.1
W.P. Putrajaya	0.5	0.2	0.6	0.1	0.1

Jadual B4.13: Penduduk bekerja mengikut negeri, taraf pekerjaan dan strata, Malaysia, 2023

Table B4.13: Employed persons by state, status in employment and strata, Malaysia, 2023

Bandar/Urban					
Negeri State	Jumlah Total	Majikan Employer	Pekerja Employee	Bekerja sendiri Own account worker	Pekerja keluarga tanpa gaji Unpaid family worker
Jumlah ('000) Total	13,082.3	537.7	10,376.3	1,780.9	387.4
Johor	1,661.0	49.0	1,369.6	214.2	28.1
Kedah	725.9	11.3	544.0	142.0	28.6
Kelantan	395.8	8.1	273.4	98.3	16.1
Melaka	482.9	15.9	401.2	61.9	3.9
Negeri Sembilan	434.9	15.7	342.4	66.0	10.8
Pahang	460.2	12.9	348.3	86.7	12.4
Pulau Pinang	881.8	33.8	751.6	89.7	6.7
Perak	911.2	41.2	728.1	119.7	22.1
Perlis	92.0	3.3	66.3	21.2	1.2
Selangor	3,683.0	232.7	2,860.0	440.0	150.2
Terengganu	336.1	9.6	242.0	76.1	8.4
Sabah	1,051.6	25.7	832.0	154.0	39.9
Sarawak	791.5	24.9	620.1	99.0	47.6
W.P. Kuala Lumpur	1,077.9	51.5	908.3	107.3	10.8
W.P. Labuan	38.4	1.2	33.8	3.0	0.4
W.P. Putrajaya	58.1	0.9	55.1	1.8	0.3
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	12.7	9.1	13.2	12.0	7.3
Kedah	5.5	2.1	5.2	8.0	7.4
Kelantan	3.0	1.5	2.6	5.5	4.1
Melaka	3.7	3.0	3.9	3.5	1.0
Negeri Sembilan	3.3	2.9	3.3	3.7	2.8
Pahang	3.5	2.4	3.4	4.9	3.2
Pulau Pinang	6.7	6.3	7.2	5.0	1.7
Perak	7.0	7.7	7.0	6.7	5.7
Perlis	0.7	0.6	0.6	1.2	0.3
Selangor	28.2	43.3	27.6	24.7	38.8
Terengganu	2.6	1.8	2.3	4.3	2.2
Sabah	8.0	4.8	8.0	8.6	10.3
Sarawak	6.1	4.6	6.0	5.6	12.3
W.P. Kuala Lumpur	8.2	9.6	8.8	6.0	2.8
W.P. Labuan	0.3	0.2	0.3	0.2	0.1
W.P. Putrajaya	0.4	0.2	0.5	0.1	0.1

Jadual B4.13: Penduduk bekerja mengikut negeri, taraf pekerjaan dan strata, Malaysia, 2023 (samb.)

Table B4.13: Employed persons by state, status in employment and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural					
Negeri State	Jumlah Total	Majikan Employer	Pekerja Employee	Bekerja sendiri Own account worker	Pekerja keluarga tanpa gaji Unpaid family worker
Jumlah ('000) Total	2,731.1	40.5	2,043.4	594.3	52.9
Johor	357.0	8.1	288.4	55.5	4.9
Kedah	201.5	1.5	131.9	63.2	5.0
Kelantan	265.2	4.4	177.6	79.2	4.1
Melaka	16.9	0.3	14.4	1.9	0.2
Negeri Sembilan	101.3	2.4	75.9	20.2	2.9
Pahang	260.7	2.5	192.0	62.8	3.4
Pulau Pinang	23.8	0.3	19.7	3.2	0.6
Perak	193.0	3.8	146.7	40.1	2.4
Perlis	32.9	0.7	23.8	8.1	0.3
Selangor	175.9	7.4	147.2	17.0	4.3
Terengganu	126.3	1.8	92.7	28.8	3.0
Sabah	570.7	5.4	424.7	130.1	10.5
Sarawak	401.0	1.7	304.3	83.6	11.3
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.9	0.1	4.1	0.7	0.0
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	13.1	20.1	14.1	9.3	9.3
Kedah	7.4	3.8	6.5	10.6	9.4
Kelantan	9.7	10.9	8.7	13.3	7.8
Melaka	0.6	0.8	0.7	0.3	0.4
Negeri Sembilan	3.7	5.9	3.7	3.4	5.4
Pahang	9.5	6.2	9.4	10.6	6.4
Pulau Pinang	0.9	0.7	1.0	0.5	1.1
Perak	7.1	9.4	7.2	6.8	4.4
Perlis	1.2	1.7	1.2	1.4	0.7
Selangor	6.4	18.2	7.2	2.9	8.2
Terengganu	4.6	4.4	4.5	4.9	5.6
Sabah	20.9	13.3	20.8	21.9	19.9
Sarawak	14.7	4.2	14.9	14.1	21.4
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.2	0.2	0.1	0.0
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.14: Penduduk bekerja mengikut negeri dan pencapaian pendidikan, Malaysia, 2023

Table B4.14: Employed persons by state and educational attainment, Malaysia, 2023

Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	15,813.4	378.2	1,268.1	8,558.0	5,609.1
Johor	2,017.9	36.6	154.4	1,267.3	559.6
Kedah	927.5	24.6	55.1	562.1	285.7
Kelantan	661.1	17.2	38.5	368.8	236.6
Melaka	499.8	4.2	26.5	281.2	187.9
Negeri Sembilan	536.1	4.1	31.5	287.0	213.5
Pahang	720.9	7.1	71.3	429.7	212.8
Pulau Pinang	905.6	13.2	45.5	510.4	336.5
Perak	1,104.2	9.9	101.4	645.2	347.8
Perlis	124.9	1.4	6.3	71.5	45.8
Selangor	3,858.9	16.0	149.7	1,952.5	1,740.7
Terengganu	462.4	10.1	28.4	250.4	173.5
Sabah	1,622.2	200.5	362.7	733.4	325.6
Sarawak	1,192.5	28.3	148.7	707.1	308.4
W.P. Kuala Lumpur	1,077.9	4.2	43.2	452.2	578.2
W.P. Labuan	43.4	0.8	4.8	20.9	16.9
W.P. Putrajaya	58.1	-	0.1	18.3	39.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	12.8	9.7	12.2	14.8	10.0
Kedah	5.9	6.5	4.3	6.6	5.1
Kelantan	4.2	4.5	3.0	4.3	4.2
Melaka	3.2	1.1	2.1	3.3	3.3
Negeri Sembilan	3.4	1.1	2.5	3.4	3.8
Pahang	4.6	1.9	5.6	5.0	3.8
Pulau Pinang	5.7	3.5	3.6	6.0	6.0
Perak	7.0	2.6	8.0	7.5	6.2
Perlis	0.8	0.4	0.5	0.8	0.8
Selangor	24.4	4.2	11.8	22.8	31.0
Terengganu	2.9	2.7	2.2	2.9	3.1
Sabah	10.3	53.0	28.6	8.6	5.8
Sarawak	7.5	7.5	11.7	8.3	5.5
W.P. Kuala Lumpur	6.8	1.1	3.4	5.3	10.3
W.P. Labuan	0.3	0.2	0.4	0.2	0.3
W.P. Putrajaya	0.4	-	0.0	0.2	0.7

Jadual B4.15: Penduduk bekerja mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2023
Table B4.15: Employed persons by state, educational attainment and sex, Malaysia, 2023

Lelaki/Male					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	9,849.5	253.4	911.1	5,678.5	3,006.5
Johor	1,369.5	30.0	132.1	888.6	318.8
Kedah	588.2	20.8	39.2	375.3	152.8
Kelantan	413.9	12.4	26.9	254.4	120.2
Melaka	306.0	2.8	20.2	188.8	94.2
Negeri Sembilan	336.9	2.9	22.8	193.5	117.7
Pahang	483.1	4.9	57.6	305.3	115.2
Pulau Pinang	549.3	9.8	29.4	324.5	185.6
Perak	711.9	7.7	81.9	439.7	182.7
Perlis	77.8	1.0	3.6	48.7	24.5
Selangor	2,244.0	10.9	103.4	1,205.0	924.7
Terengganu	307.9	8.2	19.7	180.9	99.2
Sabah	1,017.5	122.9	233.8	489.0	171.7
Sarawak	758.0	14.8	102.0	477.7	163.6
W.P. Kuala Lumpur	630.2	3.8	35.2	281.8	309.4
W.P. Labuan	27.1	0.5	3.2	13.8	9.5
W.P. Putrajaya	28.1	-	-	11.4	16.7
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	13.9	11.8	14.5	15.6	10.6
Kedah	6.0	8.2	4.3	6.6	5.1
Kelantan	4.2	4.9	2.9	4.5	4.0
Melaka	3.1	1.1	2.2	3.3	3.1
Negeri Sembilan	3.4	1.1	2.5	3.4	3.9
Pahang	4.9	2.0	6.3	5.4	3.8
Pulau Pinang	5.6	3.9	3.2	5.7	6.2
Perak	7.2	3.0	9.0	7.7	6.1
Perlis	0.8	0.4	0.4	0.9	0.8
Selangor	22.8	4.3	11.3	21.2	30.8
Terengganu	3.1	3.2	2.2	3.2	3.3
Sabah	10.3	48.5	25.7	8.6	5.7
Sarawak	7.7	5.8	11.2	8.4	5.4
W.P. Kuala Lumpur	6.4	1.5	3.9	5.0	10.3
W.P. Labuan	0.3	0.2	0.4	0.2	0.3
W.P. Putrajaya	0.3	-	-	0.2	0.6

Jadual B4.15: Penduduk bekerja mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2023 (samb.)
Table B4.15: Employed persons by state, educational attainment and sex, Malaysia, 2023 (cont'd)

Perempuan/Female					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	5,963.8	124.7	357.0	2,879.5	2,602.5
Johor	648.4	6.6	22.3	378.7	240.8
Kedah	339.3	3.7	15.9	186.8	132.9
Kelantan	247.2	4.8	11.6	114.4	116.4
Melaka	193.7	1.4	6.3	92.3	93.7
Negeri Sembilan	199.2	1.2	8.7	93.5	95.8
Pahang	237.8	2.2	13.6	124.4	97.6
Pulau Pinang	356.3	3.4	16.1	185.9	150.9
Perak	392.3	2.2	19.5	205.5	165.0
Perlis	47.1	0.4	2.7	22.8	21.3
Selangor	1,614.9	5.1	46.3	747.5	815.9
Terengganu	154.4	1.9	8.7	69.5	74.3
Sabah	604.7	77.6	128.9	244.4	153.8
Sarawak	434.5	13.5	46.7	229.4	144.8
W.P. Kuala Lumpur	447.7	0.4	8.0	170.4	268.8
W.P. Labuan	16.3	0.3	1.6	7.1	7.4
W.P. Putrajaya	30.0	-	0.1	6.9	23.1
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	10.9	5.3	6.3	13.2	9.3
Kedah	5.7	3.0	4.4	6.5	5.1
Kelantan	4.1	3.8	3.3	4.0	4.5
Melaka	3.2	1.1	1.8	3.2	3.6
Negeri Sembilan	3.3	1.0	2.4	3.2	3.7
Pahang	4.0	1.7	3.8	4.3	3.7
Pulau Pinang	6.0	2.7	4.5	6.5	5.8
Perak	6.6	1.8	5.5	7.1	6.3
Perlis	0.8	0.3	0.7	0.8	0.8
Selangor	27.1	4.1	13.0	26.0	31.4
Terengganu	2.6	1.5	2.4	2.4	2.9
Sabah	10.1	62.2	36.1	8.5	5.9
Sarawak	7.3	10.9	13.1	8.0	5.6
W.P. Kuala Lumpur	7.5	0.3	2.2	5.9	10.3
W.P. Labuan	0.3	0.2	0.4	0.2	0.3
W.P. Putrajaya	0.5	-	0.0	0.2	0.9

Jadual B4.16: Penduduk bekerja mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2023

Table B4.16: Employed persons by state, educational attainment and strata, Malaysia, 2023

Bandar/Urban					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	13,082.3	246.8	766.4	7,002.9	5,066.1
Johor	1,661.0	33.1	111.3	1,042.0	474.7
Kedah	725.9	18.0	32.5	428.0	247.3
Kelantan	395.8	6.2	16.8	217.3	155.6
Melaka	482.9	3.8	24.6	271.3	183.2
Negeri Sembilan	434.9	2.9	22.9	225.9	183.2
Pahang	460.2	2.6	20.9	264.1	172.6
Pulau Pinang	881.8	12.9	44.0	496.2	328.7
Perak	911.2	5.4	60.9	530.9	314.0
Perlis	92.0	1.1	4.0	50.1	36.9
Selangor	3,683.0	15.0	124.1	1,849.7	1,694.2
Terengganu	336.1	6.7	15.3	176.0	138.1
Sabah	1,051.6	128.8	184.8	487.5	250.6
Sarawak	791.5	5.7	57.1	474.5	254.2
W.P. Kuala Lumpur	1,077.9	4.2	43.2	452.2	578.2
W.P. Labuan	38.4	0.6	4.0	18.8	14.9
W.P. Putrajaya	58.1	-	0.1	18.3	39.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	12.7	13.4	14.5	14.9	9.4
Kedah	5.5	7.3	4.2	6.1	4.9
Kelantan	3.0	2.5	2.2	3.1	3.1
Melaka	3.7	1.5	3.2	3.9	3.6
Negeri Sembilan	3.3	1.2	3.0	3.2	3.6
Pahang	3.5	1.1	2.7	3.8	3.4
Pulau Pinang	6.7	5.2	5.7	7.1	6.5
Perak	7.0	2.2	7.9	7.6	6.2
Perlis	0.7	0.4	0.5	0.7	0.7
Selangor	28.2	6.1	16.2	26.4	33.4
Terengganu	2.6	2.7	2.0	2.5	2.7
Sabah	8.0	52.2	24.1	7.0	4.9
Sarawak	6.1	2.3	7.5	6.8	5.0
W.P. Kuala Lumpur	8.2	1.7	5.6	6.5	11.4
W.P. Labuan	0.3	0.3	0.5	0.3	0.3
W.P. Putrajaya	0.4	-	0.0	0.3	0.8

Jadual B4.16: Penduduk bekerja mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2023 (samb.)
Table B4.16: Employed persons by state, educational attainment and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	2,731.1	131.4	501.7	1,555.1	542.9
Johor	357.0	3.5	43.2	225.3	85.0
Kedah	201.5	6.5	22.6	134.0	38.4
Kelantan	265.2	11.0	21.7	151.5	81.0
Melaka	16.9	0.4	1.9	9.9	4.7
Negeri Sembilan	101.3	1.2	8.6	61.1	30.3
Pahang	260.7	4.5	50.3	165.6	40.2
Pulau Pinang	23.8	0.3	1.5	14.2	7.8
Perak	193.0	4.5	40.5	114.3	33.7
Perlis	32.9	0.3	2.3	21.3	8.9
Selangor	175.9	1.1	25.6	102.8	46.5
Terengganu	126.3	3.5	13.1	74.4	35.4
Sabah	570.7	71.7	178.0	245.9	75.0
Sarawak	401.0	22.6	91.6	232.6	54.2
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.9	0.1	0.8	2.1	1.9
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	13.1	2.7	8.6	14.5	15.7
Kedah	7.4	5.0	4.5	8.6	7.1
Kelantan	9.7	8.4	4.3	9.7	14.9
Melaka	0.6	0.3	0.4	0.6	0.9
Negeri Sembilan	3.7	0.9	1.7	3.9	5.6
Pahang	9.5	3.4	10.0	10.7	7.4
Pulau Pinang	0.9	0.2	0.3	0.9	1.4
Perak	7.1	3.5	8.1	7.3	6.2
Perlis	1.2	0.2	0.5	1.4	1.6
Selangor	6.4	0.8	5.1	6.6	8.6
Terengganu	4.6	2.6	2.6	4.8	6.5
Sabah	20.9	54.6	35.5	15.8	13.8
Sarawak	14.7	17.2	18.3	15.0	10.0
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.1	0.2	0.1	0.4
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.17: Penduduk bekerja mengikut negeri dan sijil tertinggi diperolehi, Malaysia, 2023
Table B4.17: Employed persons by state and highest certificate obtained, Malaysia, 2023

Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/ UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah ('000) Total	15,813.4	1,110.7	1,464.7	6,899.5	532.3	334.3	1,774.9	2,851.1	474.8	371.0
Johor	2,017.9	144.3	199.3	1,053.1	52.9	37.7	198.0	255.7	40.5	36.4
Kedah	927.5	65.1	98.5	448.3	31.6	29.0	96.2	125.0	9.4	24.4
Kelantan	661.1	36.0	65.9	304.1	34.0	16.7	66.4	107.2	15.3	15.4
Melaka	499.8	28.5	47.5	228.2	12.3	18.1	65.6	91.0	4.5	4.2
Negeri Sembilan	536.1	34.3	49.0	230.0	14.0	14.6	79.9	103.0	7.3	4.0
Pahang	720.9	59.2	72.5	350.3	22.8	21.7	78.9	83.9	24.5	7.1
Pulau Pinang	905.6	42.8	77.9	419.2	30.3	15.5	99.8	189.7	17.2	13.2
Perak	1,104.2	79.3	109.2	510.2	31.5	33.9	118.2	161.9	50.0	9.9
Perlis	124.9	7.7	13.4	55.6	4.6	5.1	15.2	20.1	1.7	1.4
Selangor	3,858.9	191.3	320.4	1,608.7	156.6	57.5	508.6	960.3	39.4	16.0
Terengganu	462.4	20.6	34.4	215.0	16.4	23.7	61.9	65.4	14.8	10.0
Sabah	1,622.2	216.2	151.0	543.0	56.1	19.2	99.5	146.9	194.0	196.4
Sarawak	1,192.5	146.4	167.5	512.0	47.8	24.4	97.7	135.8	33.0	28.1
W.P. Kuala Lumpur	1,077.9	34.6	52.9	389.0	15.3	13.8	166.3	380.9	21.5	3.7
W.P. Labuan	43.4	4.2	3.9	16.2	2.0	1.6	6.5	6.6	1.6	0.8
W.P. Putrajaya	58.1	0.1	1.7	16.7	3.9	1.8	16.3	17.7	-	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.8	13.0	13.6	15.3	9.9	11.3	11.2	9.0	8.5	9.8
Kedah	5.9	5.9	6.7	6.5	5.9	8.7	5.4	4.4	2.0	6.6
Kelantan	4.2	3.2	4.5	4.4	6.4	5.0	3.7	3.8	3.2	4.2
Melaka	3.2	2.6	3.2	3.3	2.3	5.4	3.7	3.2	0.9	1.1
Negeri Sembilan	3.4	3.1	3.3	3.3	2.6	4.4	4.5	3.6	1.5	1.1
Pahang	4.6	5.3	5.0	5.1	4.3	6.5	4.4	2.9	5.2	1.9
Pulau Pinang	5.7	3.9	5.3	6.1	5.7	4.7	5.6	6.7	3.6	3.5
Perak	7.0	7.1	7.5	7.4	5.9	10.1	6.7	5.7	10.5	2.7
Perlis	0.8	0.7	0.9	0.8	0.9	1.5	0.9	0.7	0.4	0.4
Selangor	24.4	17.2	21.9	23.3	29.4	17.2	28.7	33.7	8.3	4.3
Terengganu	2.9	1.9	2.4	3.1	3.1	7.1	3.5	2.3	3.1	2.7
Sabah	10.3	19.5	10.3	7.9	10.5	5.7	5.6	5.2	40.9	52.9
Sarawak	7.5	13.2	11.4	7.4	9.0	7.3	5.5	4.8	6.9	7.6
W.P. Kuala Lumpur	6.8	3.1	3.6	5.6	2.9	4.1	9.4	13.4	4.5	1.0
W.P. Labuan	0.3	0.4	0.3	0.2	0.4	0.5	0.4	0.2	0.3	0.2
W.P. Putrajaya	0.4	0.0	0.1	0.2	0.7	0.5	0.9	0.6	-	-

Jadual B4.18: Penduduk bekerja mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2023
Table B4.18: Employed persons by state, highest certificate obtained and sex, Malaysia, 2023

Lelaki/Male Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/ UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah ('000) Total	9,849.5	775.3	1,029.3	4,509.3	298.1	236.6	934.1	1,484.5	334.1	248.3
Johor	1,369.5	121.9	164.3	709.6	34.1	26.4	109.3	139.0	35.0	29.8
Kedah	588.2	47.3	71.5	292.6	15.2	22.7	53.8	58.8	5.6	20.7
Kelantan	413.9	26.3	51.7	206.0	15.8	12.0	37.0	43.5	10.8	10.9
Melaka	306.0	21.6	37.9	146.7	6.7	12.8	31.8	42.7	3.0	2.8
Negeri Sembilan	336.9	24.9	34.0	152.5	6.8	11.1	45.5	53.4	5.7	2.9
Pahang	483.1	46.0	57.9	242.8	10.6	16.8	43.3	39.5	21.3	4.9
Pulau Pinang	549.3	30.9	59.4	255.2	17.2	11.3	57.0	99.3	9.3	9.8
Perak	711.9	61.5	86.4	332.9	18.5	23.2	62.1	78.0	41.7	7.7
Perlis	77.8	4.8	9.8	36.7	2.2	3.5	9.4	9.2	1.2	1.0
Selangor	2,244.0	97.4	162.3	1,030.5	97.6	38.9	260.6	516.6	29.3	10.9
Terengganu	307.9	15.4	27.6	153.2	8.6	18.6	37.4	28.9	10.2	8.1
Sabah	1,017.5	145.3	100.9	361.5	28.2	12.7	52.1	77.0	119.5	120.3
Sarawak	758.0	103.6	123.0	332.8	25.6	16.1	51.5	69.0	21.8	14.6
W.P. Kuala Lumpur	630.2	25.6	38.7	235.5	8.5	7.8	73.4	218.8	18.7	3.3
W.P. Labuan	27.1	3.0	2.8	10.5	0.9	1.2	3.9	3.4	0.9	0.5
W.P. Putrajaya	28.1	-	1.2	10.1	1.5	1.4	6.2	7.5	-	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.9	15.7	16.0	15.7	11.5	11.2	11.7	9.4	10.5	12.0
Kedah	6.0	6.1	6.9	6.5	5.1	9.6	5.8	4.0	1.7	8.4
Kelantan	4.2	3.4	5.0	4.6	5.3	5.1	4.0	2.9	3.2	4.4
Melaka	3.1	2.8	3.7	3.3	2.3	5.4	3.4	2.9	0.9	1.1
Negeri Sembilan	3.4	3.2	3.3	3.4	2.3	4.7	4.9	3.6	1.7	1.2
Pahang	4.9	5.9	5.6	5.4	3.5	7.1	4.6	2.7	6.4	2.0
Pulau Pinang	5.6	4.0	5.8	5.7	5.8	4.8	6.1	6.7	2.8	3.9
Perak	7.2	7.9	8.4	7.4	6.2	9.8	6.7	5.3	12.5	3.1
Perlis	0.8	0.6	0.9	0.8	0.8	1.5	1.0	0.6	0.4	0.4
Selangor	22.8	12.6	15.8	22.9	32.8	16.4	27.9	34.8	8.8	4.4
Terengganu	3.1	2.0	2.7	3.4	2.9	7.9	4.0	1.9	3.1	3.3
Sabah	10.3	18.7	9.8	8.0	9.5	5.4	5.6	5.2	35.8	48.5
Sarawak	7.7	13.4	12.0	7.4	8.6	6.8	5.5	4.7	6.5	5.9
W.P. Kuala Lumpur	6.4	3.3	3.8	5.2	2.9	3.3	7.9	14.7	5.6	1.3
W.P. Labuan	0.3	0.4	0.3	0.2	0.3	0.5	0.4	0.2	0.3	0.2
W.P. Putrajaya	0.3	-	0.1	0.2	0.5	0.6	0.7	0.5	-	-

Jadual B4.18: Penduduk bekerja mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2023 (samb.)
Table B4.18: Employed persons by state, highest certificate obtained and sex, Malaysia, 2023 (cont'd)

Perempuan/Female Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/ UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah ('000) Total	5,963.8	335.4	435.4	2,390.3	234.1	97.7	840.8	1,366.6	140.7	122.8
Johor	648.4	22.4	34.9	343.5	18.8	11.3	88.7	116.7	5.6	6.6
Kedah	339.3	17.9	27.0	155.7	16.4	6.3	42.4	66.2	3.8	3.6
Kelantan	247.2	9.7	14.2	98.1	18.2	4.7	29.4	63.7	4.5	4.6
Melaka	193.7	6.9	9.6	81.4	5.5	5.3	33.8	48.3	1.5	1.4
Negeri Sembilan	199.2	9.4	15.0	77.5	7.2	3.5	34.4	49.6	1.6	1.2
Pahang	237.8	13.2	14.7	107.5	12.2	4.9	35.7	44.3	3.2	2.2
Pulau Pinang	356.3	12.0	18.5	164.0	13.1	4.3	42.8	90.5	7.9	3.4
Perak	392.3	17.9	22.8	177.4	13.0	10.7	56.1	84.0	8.3	2.2
Perlis	47.1	3.0	3.6	18.9	2.4	1.6	5.8	10.9	0.5	0.4
Selangor	1,614.9	93.9	158.1	578.2	59.0	18.6	248.1	443.7	10.1	5.1
Terengganu	154.4	5.2	6.9	61.9	7.9	5.1	24.5	36.5	4.6	1.9
Sabah	604.7	70.9	50.1	181.5	27.9	6.4	47.4	69.9	74.5	76.1
Sarawak	434.5	42.8	44.5	179.2	22.2	8.3	46.2	66.7	11.1	13.4
W.P. Kuala Lumpur	447.7	9.0	14.1	153.5	6.8	6.0	92.9	162.1	2.8	0.4
W.P. Labuan	16.3	1.2	1.1	5.7	1.1	0.4	2.5	3.2	0.7	0.3
W.P. Putrajaya	30.0	0.1	0.4	6.6	2.5	0.3	10.1	10.1	-	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	10.9	6.7	8.0	14.4	8.0	11.5	10.5	8.5	3.9	5.4
Kedah	5.7	5.3	6.2	6.5	7.0	6.4	5.0	4.8	2.7	3.0
Kelantan	4.1	2.9	3.3	4.1	7.8	4.8	3.5	4.7	3.2	3.7
Melaka	3.2	2.0	2.2	3.4	2.4	5.4	4.0	3.5	1.1	1.1
Negeri Sembilan	3.3	2.8	3.4	3.2	3.1	3.6	4.1	3.6	1.1	0.9
Pahang	4.0	3.9	3.4	4.5	5.2	5.0	4.2	3.2	2.3	1.8
Pulau Pinang	6.0	3.6	4.2	6.9	5.6	4.4	5.1	6.6	5.6	2.8
Perak	6.6	5.3	5.2	7.4	5.5	11.0	6.7	6.1	5.9	1.8
Perlis	0.8	0.9	0.8	0.8	1.0	1.6	0.7	0.8	0.4	0.3
Selangor	27.1	28.0	36.3	24.2	25.2	19.1	29.5	32.5	7.2	4.2
Terengganu	2.6	1.6	1.6	2.6	3.4	5.2	2.9	2.7	3.2	1.6
Sabah	10.1	21.1	11.5	7.6	11.9	6.6	5.6	5.1	52.9	62.0
Sarawak	7.3	12.8	10.2	7.5	9.5	8.5	5.5	4.9	7.9	10.9
W.P. Kuala Lumpur	7.5	2.7	3.2	6.4	2.9	6.1	11.1	11.9	2.0	0.3
W.P. Labuan	0.3	0.4	0.3	0.2	0.5	0.4	0.3	0.2	0.5	0.2
W.P. Putrajaya	0.5	0.0	0.1	0.3	1.1	0.3	1.2	0.7	-	-

Jadual B4.19: Penduduk bekerja mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2023
Table B4.19: Employed persons by state, highest certificate obtained and strata, Malaysia, 2023

Bandar/Urban Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/ UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah ('000) Total	13,082.3	739.3	1,083.2	5,778.9	443.6	276.8	1,597.2	2,645.6	272.5	245.1
Johor	1,661.0	113.3	153.6	874.0	40.2	28.4	170.2	225.3	22.9	33.1
Kedah	725.9	40.7	62.8	353.6	25.9	23.2	82.7	112.8	6.5	17.8
Kelantan	395.8	15.7	36.0	186.0	19.5	9.9	43.8	71.8	7.0	6.2
Melaka	482.9	26.6	44.2	221.9	11.8	17.4	64.0	89.0	4.2	3.8
Negeri Sembilan	434.9	25.5	36.5	183.6	12.2	11.4	66.8	91.0	5.1	2.8
Pahang	460.2	25.2	35.9	224.6	17.9	16.4	63.8	69.8	4.0	2.6
Pulau Pinang	881.8	41.4	75.7	407.5	29.5	14.6	96.7	186.8	16.8	12.9
Perak	911.2	57.5	80.2	429.2	26.9	29.4	106.6	149.5	26.7	5.4
Perlis	92.0	5.0	8.4	40.1	3.1	3.9	12.2	16.9	1.3	1.1
Selangor	3,683.0	173.9	300.9	1,527.5	151.2	53.8	493.1	939.5	28.2	15.0
Terengganu	336.1	12.9	21.8	154.0	11.7	18.5	49.2	53.4	8.0	6.7
Sabah	1,051.6	102.3	79.1	385.6	37.5	14.1	78.5	118.6	107.8	128.1
Sarawak	791.5	61.1	90.1	371.0	35.1	19.1	81.5	116.8	11.3	5.5
W.P. Kuala Lumpur	1,077.9	34.6	52.9	389.0	15.3	13.8	166.3	380.9	21.5	3.7
W.P. Labuan	38.4	3.5	3.6	14.5	1.9	1.3	5.8	5.9	1.4	0.6
W.P. Putrajaya	58.1	0.1	1.7	16.7	3.9	1.8	16.3	17.7	-	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.7	15.3	14.2	15.1	9.1	10.2	10.7	8.5	8.4	13.5
Kedah	5.5	5.5	5.8	6.1	5.8	8.4	5.2	4.3	2.4	7.3
Kelantan	3.0	2.1	3.3	3.2	4.4	3.6	2.7	2.7	2.6	2.5
Melaka	3.7	3.6	4.1	3.8	2.7	6.3	4.0	3.4	1.5	1.5
Negeri Sembilan	3.3	3.5	3.4	3.2	2.7	4.1	4.2	3.4	1.9	1.1
Pahang	3.5	3.4	3.3	3.9	4.0	5.9	4.0	2.6	1.5	1.1
Pulau Pinang	6.7	5.6	7.0	7.1	6.7	5.3	6.1	7.1	6.2	5.3
Perak	7.0	7.8	7.4	7.4	6.1	10.6	6.7	5.7	9.8	2.2
Perlis	0.7	0.7	0.8	0.7	0.7	1.4	0.8	0.6	0.5	0.4
Selangor	28.2	23.5	27.8	26.4	34.1	19.4	30.9	35.5	10.3	6.1
Terengganu	2.6	1.7	2.0	2.7	2.6	6.7	3.1	2.0	2.9	2.7
Sabah	8.0	13.8	7.3	6.7	8.5	5.1	4.9	4.5	39.6	52.3
Sarawak	6.1	8.3	8.3	6.4	7.9	6.9	5.1	4.4	4.1	2.3
W.P. Kuala Lumpur	8.2	4.7	4.9	6.7	3.5	5.0	10.4	14.4	7.9	1.5
W.P. Labuan	0.3	0.5	0.3	0.3	0.4	0.5	0.4	0.2	0.5	0.3
W.P. Putrajaya	0.4	0.0	0.2	0.3	0.9	0.6	1.0	0.7	-	-

Jadual B4.19: Penduduk bekerja mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2023 (samb.)
Table B4.19: Employed persons by state, highest certificate obtained and strata, Malaysia, 2023 (cont'd)

Luar bandar/Rural Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/ UPSRA or equivalent	PT3/PMR/ SRP/LCE/ SRA atau yang setaraf PT3/PMR/ SRP/LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah ('000) Total	2,731.1	371.4	381.6	1,120.6	88.6	57.5	177.7	205.5	202.3	126.0
Johor	357.0	31.0	45.6	179.1	12.7	9.4	27.8	30.5	17.6	3.3
Kedah	201.5	24.4	35.7	94.7	5.7	5.8	13.5	12.2	2.9	6.5
Kelantan	265.2	20.3	29.8	118.1	14.6	6.9	22.6	35.4	8.3	9.3
Melaka	16.9	1.9	3.3	6.2	0.4	0.7	1.6	1.9	0.3	0.4
Negeri Sembilan	101.3	8.7	12.5	46.4	1.8	3.2	13.1	12.1	2.2	1.2
Pahang	260.7	34.0	36.6	125.6	4.9	5.3	15.1	14.1	20.6	4.5
Pulau Pinang	23.8	1.5	2.2	11.7	0.8	0.9	3.1	3.0	0.4	0.3
Perak	193.0	21.8	29.0	81.0	4.6	4.5	11.7	12.4	23.4	4.5
Perlis	32.9	2.7	5.0	15.5	1.6	1.2	3.0	3.2	0.4	0.3
Selangor	175.9	17.4	19.5	81.2	5.4	3.7	15.6	20.8	11.2	1.1
Terengganu	126.3	7.8	12.7	61.1	4.7	5.2	12.7	12.0	6.8	3.4
Sabah	570.7	113.9	71.9	157.4	18.6	5.0	21.0	28.3	86.2	68.3
Sarawak	401.0	85.2	77.4	140.9	12.7	5.3	16.2	19.0	21.7	22.6
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.9	0.7	0.4	1.7	0.1	0.3	0.7	0.7	0.2	0.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.1	8.4	12.0	16.0	14.4	16.3	15.6	14.8	8.7	2.7
Kedah	7.4	6.6	9.3	8.4	6.5	10.1	7.6	6.0	1.5	5.2
Kelantan	9.7	5.5	7.8	10.5	16.4	11.9	12.7	17.2	4.1	7.4
Melaka	0.6	0.5	0.9	0.6	0.5	1.2	0.9	0.9	0.2	0.4
Negeri Sembilan	3.7	2.4	3.3	4.1	2.0	5.6	7.4	5.9	1.1	1.0
Pahang	9.5	9.2	9.6	11.2	5.5	9.3	8.5	6.8	10.2	3.6
Pulau Pinang	0.9	0.4	0.6	1.0	0.9	1.6	1.7	1.5	0.2	0.2
Perak	7.1	5.9	7.6	7.2	5.2	7.9	6.6	6.0	11.6	3.6
Perlis	1.2	0.7	1.3	1.4	1.8	2.1	1.7	1.5	0.2	0.3
Selangor	6.4	4.7	5.1	7.2	6.1	6.5	8.8	10.1	5.6	0.8
Terengganu	4.6	2.1	3.3	5.4	5.3	9.0	7.2	5.8	3.3	2.7
Sabah	20.9	30.7	18.8	14.0	21.0	8.7	11.8	13.8	42.6	54.2
Sarawak	14.7	23.0	20.3	12.6	14.3	9.2	9.1	9.2	10.7	17.9
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.2	0.1	0.2	0.2	0.6	0.4	0.3	0.1	0.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.



JADUAL STATISTIK: SIRI MASA

STATISTICAL TABLE: TIME SERIES

Jadual C1.1: Perangkaan utama tenaga buruh mengikut jantina, Malaysia, 1982–2023

Table C1.1: Principal statistics of labour force by sex, Malaysia, 1982–2023

Tahun ¹ Year	Kadar penyertaan tenaga buruh <i>Labour force participation rate (%)</i>			Tenaga buruh <i>Labour force ('000)</i>			Bekerja <i>Employed ('000)</i>			Penganggur <i>Unemployed ('000)</i>			Kadar pengangguran <i>Unemployment rate (%)</i>		
	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>	Jumlah <i>Total</i>	Lelaki <i>Male</i>	Perempuan <i>Female</i>
1982	64.8	85.3	44.5	5,431.4	3,562.3	1,869.1	5,249.0	3,465.3	1,783.7	182.4	97.0	85.4	3.4	2.7	4.6
1983	65.6	85.6	45.7	5,671.8	3,693.1	1,978.8	5,457.0	3,570.4	1,886.5	214.9	122.6	92.2	3.8	3.3	4.7
1984	65.3	85.4	45.2	5,862.5	3,832.2	2,030.3	5,566.7	3,662.6	1,904.1	295.8	169.6	126.2	5.0	4.4	6.2
1985	65.7	85.6	45.9	5,990.1	3,896.7	2,093.5	5,653.4	3,700.5	1,952.8	336.8	196.1	140.6	5.6	5.0	6.7
1986	66.1	85.8	46.4	6,222.1	4,037.7	2,184.3	5,760.1	3,753.5	2,006.6	461.9	284.2	177.7	7.4	7.0	8.1
1987	66.5	85.6	47.5	6,456.8	4,151.3	2,305.5	5,983.9	3,868.0	2,115.9	472.9	283.3	189.6	7.3	6.8	8.2
1988	66.8	85.9	47.7	6,637.0	4,268.7	2,368.4	6,157.2	3,984.0	2,173.2	479.8	284.7	195.1	7.2	6.7	8.2
1989	66.2	85.6	46.7	6,779.4	4,389.1	2,390.3	6,390.9	4,155.3	2,235.5	388.5	233.7	154.8	5.7	5.3	6.5
1990	66.5	85.3	47.8	7,000.2	4,489.8	2,510.3	6,685.0	4,310.7	2,374.3	315.2	179.1	136.1	4.5	4.0	5.4
1992	65.9	84.9	46.9	7,319.0	4,716.5	2,602.5	7,047.8	4,554.2	2,493.6	271.2	162.3	108.9	3.7	3.4	4.2
1993	66.5	86.0	46.5	7,700.1	5,043.3	2,656.9	7,383.4	4,853.8	2,529.6	316.8	189.5	127.3	4.1	3.8	4.8
1995	64.7	84.3	44.7	7,893.1	5,203.1	2,690.0	7,645.0	5,056.6	2,588.4	248.1	146.5	101.6	3.1	2.8	3.8
1996	66.3	84.9	46.8	8,616.0	5,653.9	2,962.1	8,399.3	5,514.2	2,885.0	216.8	139.6	77.1	2.5	2.5	2.6
1997	65.6	84.3	46.0	8,784.0	5,787.3	2,996.7	8,569.2	5,657.7	2,911.5	214.9	129.6	85.3	2.4	2.2	2.8
1998	64.3	83.1	44.4	8,883.6	5,904.2	2,979.4	8,599.6	5,718.9	2,880.7	284.0	185.3	98.7	3.2	3.1	3.3
1999	64.2	82.8	44.6	9,151.5	6,063.5	3,088.0	8,837.8	5,851.2	2,986.5	313.7	212.3	101.4	3.4	3.5	3.3
2000	65.4	83.0	47.2	9,556.1	6,156.2	3,399.9	9,269.2	5,973.5	3,295.7	286.9	182.7	104.2	3.0	3.0	3.1
2001	64.9	82.3	46.8	9,699.4	6,268.3	3,431.1	9,357.0	6,055.9	3,301.1	342.4	212.3	130.1	3.5	3.4	3.8
2002	64.4	81.5	46.7	9,886.2	6,352.3	3,533.9	9,542.6	6,141.8	3,400.8	343.5	210.5	133.1	3.5	3.3	3.8
2003	65.2	82.1	47.7	10,239.6	6,559.4	3,680.1	9,869.7	6,323.6	3,546.1	369.8	235.8	134.0	3.6	3.6	3.6
2004	64.4	80.9	47.2	10,346.2	6,615.1	3,731.1	9,979.5	6,390.4	3,589.1	366.6	224.7	142.0	3.5	3.4	3.8
2005	63.3	80.0	45.9	10,413.4	6,700.9	3,712.5	10,045.4	6,470.5	3,574.8	368.1	230.4	137.7	3.5	3.4	3.7
2006	63.1	79.9	45.8	10,628.9	6,843.5	3,785.4	10,275.4	6,618.6	3,656.8	353.6	224.9	128.7	3.3	3.3	3.4
2007	63.2	79.5	46.4	10,889.5	6,963.5	3,926.0	10,538.1	6,747.1	3,791.0	351.4	216.4	135.0	3.2	3.1	3.4
2008	62.6	79.0	45.7	11,028.1	7,074.6	3,953.5	10,659.6	6,851.1	3,808.5	368.5	223.5	145.0	3.3	3.2	3.7
2009	62.9	78.9	46.4	11,315.3	7,218.1	4,097.2	10,897.3	6,955.7	3,941.6	418.0	262.4	155.6	3.7	3.6	3.8
2010	63.7	79.3	46.8	12,303.9	7,955.5	4,348.4	11,899.5	7,707.8	4,191.7	404.4	247.7	156.8	3.3	3.1	3.6
2011	64.5	79.7	48.0	12,740.7	8,172.4	4,568.3	12,351.5	7,934.8	4,416.7	389.2	237.6	151.6	3.1	2.9	3.3
2012	65.6	80.5	49.5	13,221.7	8,419.0	4,802.6	12,820.5	8,169.5	4,651.0	401.2	249.6	151.6	3.0	3.0	3.2
2013	67.3	81.0	52.6	13,980.5	8,739.4	5,241.1	13,545.4	8,484.6	5,060.8	435.1	254.8	180.3	3.1	2.9	3.4
2014	67.6	80.6	53.7	14,263.6	8,823.2	5,440.4	13,852.6	8,587.5	5,265.1	411.1	235.7	175.4	2.9	2.7	3.2
2015	67.9	80.6	54.1	14,518.0	8,952.8	5,565.1	14,067.7	8,691.1	5,376.7	450.3	261.8	188.5	3.1	2.9	3.4
2016	67.7	80.2	54.3	14,667.8	9,012.1	5,655.7	14,163.7	8,729.7	5,434.0	504.1	282.4	221.7	3.4	3.1	3.9
2017	68.0	80.1	54.7	14,980.1	9,213.5	5,766.6	14,476.8	8,913.4	5,563.3	503.3	300.1	203.2	3.4	3.3	3.5
2018	68.3	80.4	55.2	15,280.3	9,330.2	5,950.1	14,776.0	9,041.8	5,734.2	504.3	288.4	215.9	3.3	3.1	3.6
2019	68.7	80.8	55.6	15,581.6	9,503.5	6,078.1	15,073.4	9,202.4	5,871.0	508.2	301.1	207.1	3.3	3.2	3.4
2020 ^f	68.4	80.3	55.1	15,406.0	9,566.2	5,839.8	14,719.4	9,151.2	5,568.2	686.6	415.0	271.6	4.5	4.3	4.7
2021 ^f	68.6	80.5	55.3	15,532.8	9,623.0	5,909.8	14,825.2	9,194.6	5,630.6	707.6	428.4	279.3	4.6	4.5	4.7
2022 ^f	69.3	81.5	55.6	15,769.7	9,776.2	5,993.6	15,155.2	9,402.1	5,753.1	614.5	374.1	240.4	3.9	3.8	4.0
2023	70.0	82.3	56.2	16,366.8	10,188.5	6,178.3	15,813.4	9,849.5	5,963.8	553.4	338.9	214.5	3.4	3.3	3.5

Jadual C1.2: Kadar penyertaan tenaga buruh mengikut jantina dan kumpulan umur, Malaysia, 2019–2023
Table C1.2: Labour force participation rate by sex and age group, Malaysia, 2019–2023

Jantina Sex	Jumlah Total	15–19	20–24	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64
Jumlah (%) Total											
2019	68.7	21.1	68.0	85.3	85.7	84.1	82.6	79.6	73.4	58.1	34.0
2020 ^f	68.4	18.5	62.8	85.5	85.9	84.0	82.7	80.0	73.9	60.7	39.0
2021 ^f	68.6	24.5	65.7	86.4	82.4	84.5	84.8	78.6	70.6	55.5	35.1
2022 ^f	69.3	22.5	65.1	86.7	87.4	85.0	84.5	78.7	73.4	59.4	34.6
2023	70.0	25.6	65.9	86.2	86.3	84.0	86.6	78.9	73.3	59.3	35.3
Lelaki Male											
2019	80.8	26.6	76.8	94.7	97.8	98.0	97.2	96.1	92.3	77.1	46.8
2020 ^f	80.3	24.6	70.6	92.9	97.1	97.7	96.8	95.9	90.6	79.9	54.9
2021 ^f	80.5	24.5	77.0	91.6	93.5	97.1	97.9	96.6	92.4	79.9	50.5
2022 ^f	81.5	27.0	76.0	93.4	96.3	98.0	97.7	96.2	94.1	84.2	51.0
2023	82.3	27.5	78.5	93.3	96.3	98.3	98.0	96.4	93.5	82.2	49.1
Perempuan Female											
2019	55.6	15.2	58.3	74.6	72.6	68.9	66.9	63.1	54.4	38.3	21.3
2020 ^f	55.1	11.7	53.7	76.6	73.0	68.4	66.7	63.0	56.3	40.9	22.9
2021 ^f	55.3	24.5	52.7	80.3	69.4	70.3	69.9	59.4	48.3	30.3	19.3
2022 ^f	55.6	17.6	52.5	78.6	77.2	70.6	69.6	60.5	52.5	34.5	15.3
2023	56.2	23.6	51.0	77.4	74.5	67.9	73.7	60.1	52.4	36.0	20.9

Jadual C1.3: Kadar penyertaan tenaga buruh mengikut jantina dan kumpulan etnik, Malaysia, 2019–2023
Table C1.3: Labour force participation rate by sex and ethnic group, Malaysia, 2019–2023

Jantina Sex	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non-Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah (%) Total							
2019	68.7	66.7	65.3	70.9	65.6	66.6	83.4
2020 ^r	68.4	66.8	65.2	71.1	67.5	69.7	83.8
2021 ^r	68.6	67.0	65.8	69.9	67.6	79.9	84.7
2022 ^r	69.3	67.7	67.1	68.9	69.5	63.1	85.6
2023	70.0	68.1	67.2	70.6	68.9	64.6	87.2
Lelaki Male							
2019	80.8	79.0	78.4	80.9	78.1	78.0	91.8
2020 ^r	80.3	79.0	78.4	81.0	78.9	81.3	88.6
2021 ^r	80.5	79.2	78.0	82.3	80.1	91.2	89.4
2022 ^r	81.5	80.1	79.6	81.0	81.8	72.8	91.8
2023	82.3	80.4	80.8	79.9	79.0	79.2	93.9
Perempuan Female							
2019	55.6	54.2	52.1	60.4	53.2	55.0	69.6
2020 ^r	55.1	54.2	51.8	60.9	55.7	55.9	70.7
2021 ^r	55.3	54.4	53.4	56.9	55.0	66.2	71.5
2022 ^r	55.6	54.9	54.4	56.0	56.7	51.2	68.7
2023	56.2	55.5	53.4	60.9	58.7	48.6	68.9

Jadual C1.4: Kadar penyertaan tenaga buruh mengikut jantina dan pencapaian pendidikan, Malaysia, 2019–2023
Table C1.4: Labour force participation rate by sex and educational attainment, Malaysia, 2019–2023

Jantina Sex	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah (%) <i>Total</i>					
2019	68.7	60.2	70.8	68.1	70.0
2020^r	68.4	54.9	69.0	65.7	74.6
2021^r	68.6	63.6	66.6	67.0	72.3
2022^r	69.3	56.6	67.2	67.0	74.8
2023	70.0	67.0	70.1	67.4	74.8
Lelaki <i>Male</i>					
2019	80.8	78.5	88.7	81.8	75.4
2020^r	80.3	70.4	88.8	79.8	79.3
2021^r	80.5	67.2	87.3	80.5	80.3
2022^r	81.5	79.4	86.9	80.1	82.9
2023	82.3	85.0	89.8	80.5	83.7
Perempuan <i>Female</i>					
2019	55.6	44.7	50.0	51.9	65.1
2020^r	55.1	40.5	43.9	48.9	70.1
2021^r	55.3	56.7	39.4	50.6	65.1
2022^r	55.6	33.1	41.7	51.3	67.0
2023	56.2	46.9	45.3	51.1	66.6

Jadual C1.5: Kadar penyertaan tenaga buruh mengikut jantina dan sijil tertinggi diperolehi, Malaysia, 2019–2023

Table C1.5: Labour force participation rate by sex and highest certificate obtained, Malaysia, 2019–2023

Jantina Sex	Jumlah Total	UPSR/UPSRA atau yang setaraf UPSR/ or equivalent	PT3/PMR/SRP/ LCE/ SRA atau yang setaraf PT3/PMR/SRP/ LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah (%) Total										
2019	68.7	62.8	51.2	70.8	54.6	85.9	80.9	89.0	67.9	60.1
2020^r	68.4	58.1	57.7	66.4	54.5	88.6	82.7	90.8	64.3	55.1
2021^r	68.6	58.6	45.3	71.9	41.0	70.4	85.5	91.8	48.2	79.0
2022^r	69.3	56.1	45.1	72.0	48.3	86.8	84.4	90.2	67.3	56.6
2023	70.0	56.7	48.5	71.8	60.3	86.6	80.2	87.9	70.1	66.8
Lelaki Male										
2019	80.8	77.8	64.8	84.7	65.0	92.2	87.4	92.9	86.8	78.6
2020^r	80.3	74.2	74.2	80.1	63.6	93.6	88.5	92.1	87.4	70.2
2021^r	80.5	74.9	57.9	85.3	75.3	83.4	89.1	93.6	60.8	92.1
2022^r	81.5	72.2	58.7	85.8	65.3	92.1	90.7	94.2	85.8	79.5
2023	82.3	71.2	60.1	87.3	75.2	92.8	88.4	92.3	87.1	84.9
Perempuan Female										
2019	55.6	43.7	33.7	55.5	47.9	71.8	75.0	85.9	47.6	44.5
2020^r	55.1	36.6	35.2	51.2	47.2	78.1	77.0	89.7	40.8	40.5
2021^r	55.3	36.1	30.2	56.0	17.8	53.4	82.8	89.9	30.7	59.4
2022^r	55.6	35.1	28.2	56.6	37.3	75.1	78.1	86.1	44.1	33.0
2023	56.2	38.4	33.3	53.8	48.0	74.7	72.7	83.6	48.4	46.7

Jadual C2.1: Tenaga buruh mengikut jantina dan kumpulan umur, Malaysia, 2019-2023

Table C2.1: Labour force by sex and age group, Malaysia, 2019-2023

Jantina Sex	Jumlah Total	15–19	20–24	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64
Jumlah ('000)											
<i>Total</i>											
2019	15,581.6	615.1	2,195.5	2,780.1	2,478.8	2,054.1	1,622.0	1,413.8	1,201.5	832.2	388.6
2020^f	15,406.0	526.0	1,803.4	2,468.3	2,500.3	2,303.0	1,817.3	1,468.4	1,180.2	885.2	453.8
2021^f	15,532.8	691.2	1,893.5	2,454.0	2,366.5	2,352.1	1,927.0	1,471.1	1,135.0	814.9	427.5
2022^f	15,769.7	625.8	1,886.2	2,449.6	2,466.0	2,337.4	1,976.5	1,492.0	1,193.0	869.8	473.5
2023	16,366.8	711.4	1,986.0	2,499.9	2,484.3	2,402.5	2,154.8	1,549.5	1,234.7	880.2	463.6
Lelaki											
<i>Male</i>											
2019	9,503.5	401.4	1,307.2	1,642.4	1,475.0	1,247.5	986.5	854.8	757.6	563.9	267.0
2020^f	9,566.2	367.8	1,091.6	1,464.4	1,517.9	1,428.9	1,129.9	910.4	741.7	592.3	321.2
2021^f	9,623.0	365.2	1,189.3	1,417.1	1,447.2	1,429.4	1,185.0	931.8	751.2	595.6	311.3
2022^f	9,776.2	394.3	1,177.9	1,434.2	1,449.8	1,414.8	1,210.1	931.4	768.7	617.3	377.6
2023	10,188.5	399.3	1,282.3	1,495.3	1,499.2	1,487.6	1,299.8	978.5	802.3	615.2	328.8
Perempuan											
<i>Female</i>											
2019	6,078.1	213.7	888.2	1,137.7	1,003.8	806.5	635.5	559.0	443.8	268.3	121.6
2020^f	5,839.8	158.2	711.8	1,003.9	982.4	874.2	687.4	558.0	438.5	292.9	132.6
2021^f	5,909.8	326.0	704.2	1,036.9	919.3	922.7	742.0	539.4	383.8	219.3	116.2
2022^f	5,993.6	231.5	708.4	1,015.4	1,016.2	922.6	766.3	560.5	424.3	252.5	95.9
2023	6,178.3	312.1	703.7	1,004.5	985.1	914.9	855.0	571.0	432.3	265.0	134.8
Jumlah (%)											
<i>Total</i>											
2019	100.0	3.9	14.1	17.8	15.9	13.2	10.4	9.1	7.7	5.3	2.5
2020^f	100.0	3.4	11.7	16.0	16.2	14.9	11.8	9.5	7.7	5.7	2.9
2021^f	100.0	4.4	12.2	15.8	15.2	15.1	12.4	9.5	7.3	5.2	2.8
2022^f	100.0	4.0	12.0	15.5	15.6	14.8	12.5	9.5	7.6	5.5	3.0
2023	100.0	4.3	12.1	15.3	15.2	14.7	13.2	9.5	7.5	5.4	2.8
Lelaki											
<i>Male</i>											
2019	100.0	4.2	13.8	17.3	15.5	13.1	10.4	9.0	8.0	5.9	2.8
2020^f	100.0	3.8	11.4	15.3	15.9	14.9	11.8	9.5	7.8	6.2	3.4
2021^f	100.0	3.8	12.4	14.7	15.0	14.9	12.3	9.7	7.8	6.2	3.2
2022^f	100.0	4.0	12.0	14.7	14.8	14.5	12.4	9.5	7.9	6.3	3.9
2023	100.0	3.9	12.6	14.7	14.7	14.6	12.8	9.6	7.9	6.0	3.2
Perempuan											
<i>Female</i>											
2019	100.0	3.5	14.6	18.7	16.5	13.3	10.5	9.2	7.3	4.4	2.0
2020^f	100.0	2.7	12.2	17.2	16.8	15.0	11.8	9.6	7.5	5.0	2.3
2021^f	100.0	5.5	11.9	17.5	15.6	15.6	12.6	9.1	6.5	3.7	2.0
2022^f	100.0	3.9	11.8	16.9	17.0	15.4	12.8	9.4	7.1	4.2	1.6
2023	100.0	5.1	11.4	16.3	15.9	14.8	13.8	9.2	7.0	4.3	2.2

Jadual C2.2: Tenaga buruh mengikut jantina dan kumpulan etnik, Malaysia, 2019–2023

Table C2.2: Labour force by sex and ethnic group, Malaysia, 2019–2023

Jantina Sex	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia Non-Malaysian citizens
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah ('000) Total							
2019	15,581.6	13,305.6	8,832.0	3,394.5	966.0	113.1	2,276.0
2020 ^r	15,406.0	13,581.7	9,164.7	3,369.6	955.9	91.6	1,824.2
2021 ^r	15,532.8	13,775.5	9,323.6	3,375.8	956.0	120.0	1,757.4
2022 ^r	15,769.7	14,043.6	9,573.8	3,384.0	1,003.4	82.3	1,726.2
2023	16,366.8	14,293.1	9,756.6	3,451.2	996.1	89.1	2,073.7
Lelaki Male							
2019	9,503.5	7,948.5	5,322.5	1,986.8	572.3	66.8	1,555.0
2020 ^r	9,566.2	8,152.1	5,568.4	1,957.6	568.1	58.1	1,414.1
2021 ^r	9,623.0	8,256.8	5,576.8	2,033.9	570.7	75.4	1,366.2
2022 ^r	9,776.2	8,422.9	5,721.1	2,049.1	600.5	52.2	1,353.3
2023	10,188.5	8,549.6	5,927.2	1,989.7	575.6	57.1	1,638.9
Perempuan Female							
2019	6,078.1	5,357.1	3,509.4	1,407.7	393.7	46.3	721.0
2020 ^r	5,839.8	5,429.6	3,596.3	1,412.0	387.8	33.5	410.2
2021 ^r	5,909.8	5,518.6	3,746.8	1,341.9	385.3	44.6	391.2
2022 ^r	5,993.6	5,620.7	3,852.7	1,334.9	402.9	30.2	372.9
2023	6,178.3	5,743.5	3,829.4	1,461.5	420.5	32.1	434.8
Jumlah (%) Total							
2019	100.0	85.4	56.7	21.8	6.2	0.7	14.6
2020 ^r	100.0	88.2	59.5	21.9	6.2	0.6	11.8
2021 ^r	100.0	88.7	60.0	21.7	6.2	0.8	11.3
2022 ^r	100.0	89.1	60.7	21.5	6.4	0.5	10.9
2023	100.0	87.3	59.6	21.1	6.1	0.5	12.7
Lelaki Male							
2019	100.0	83.6	56.0	20.9	6.0	0.7	16.4
2020 ^r	100.0	85.2	58.2	20.5	5.9	0.6	14.8
2021 ^r	100.0	85.8	58.0	21.1	5.9	0.8	14.2
2022 ^r	100.0	86.2	58.5	21.0	6.1	0.5	13.8
2023	100.0	83.9	58.2	19.5	5.6	0.6	16.1
Perempuan Female							
2019	100.0	88.1	57.7	23.2	6.5	0.8	11.9
2020 ^r	100.0	93.0	61.6	24.2	6.6	0.6	7.0
2021 ^r	100.0	93.4	63.4	22.7	6.5	0.8	6.6
2022 ^r	100.0	93.8	64.3	22.3	6.7	0.5	6.2
2023	100.0	93.0	62.0	23.7	6.8	0.5	7.0

Jadual C2.3: Tenaga buruh mengikut jantina dan pencapaian pendidikan, Malaysia, 2019–2023

Table C2.3: *Labour force by sex and educational attainment, Malaysia, 2019–2023*

Jantina Sex	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) <i>Total</i>					
2019	15,581.6	454.3	1,852.9	8,658.0	4,616.4
2020^r	15,406.0	313.5	1,420.7	8,599.5	5,072.3
2021^r	15,532.8	441.3	1,161.5	8,540.7	5,389.4
2022^r	15,769.7	363.2	1,253.6	8,583.8	5,569.2
2023	16,366.8	407.3	1,316.6	8,885.3	5,757.6
Lelaki <i>Male</i>					
2019	9,503.5	271.8	1,244.3	5,634.2	2,353.2
2020^r	9,566.2	193.6	1,020.5	5,682.0	2,670.2
2021^r	9,623.0	307.2	863.4	5,622.9	2,829.4
2022^r	9,776.2	258.8	914.3	5,595.8	3,007.3
2023	10,188.5	272.7	940.5	5,886.2	3,089.2
Perempuan <i>Female</i>					
2019	6,078.1	182.5	608.6	3,023.8	2,263.2
2020^r	5,839.8	119.9	400.2	2,917.5	2,402.1
2021^r	5,909.8	134.0	298.1	2,917.8	2,559.9
2022^r	5,993.6	104.4	339.3	2,988.0	2,561.9
2023	6,178.3	134.6	376.2	2,999.2	2,668.4
Jumlah (%) <i>Total</i>					
2019	100.0	2.9	11.9	55.6	29.6
2020^r	100.0	2.0	9.2	55.8	32.9
2021^r	100.0	2.8	7.5	55.0	34.7
2022^r	100.0	2.3	7.9	54.4	35.3
2023	100.0	2.5	8.0	54.3	35.2
Lelaki <i>Male</i>					
2019	100.0	2.9	13.1	59.3	24.8
2020^r	100.0	2.0	10.7	59.4	27.9
2021^r	100.0	3.2	9.0	58.4	29.4
2022^r	100.0	2.6	9.4	57.2	30.8
2023	100.0	2.7	9.2	57.8	30.3
Perempuan <i>Female</i>					
2019	100.0	3.0	10.0	49.7	37.2
2020^r	100.0	2.1	6.9	50.0	41.1
2021^r	100.0	2.3	5.0	49.4	43.3
2022^r	100.0	1.7	5.7	49.9	42.7
2023	100.0	2.2	6.1	48.5	43.2

Jadual C2.4: Tenaga buruh mengikut jantina dan sijil tertinggi diperolehi, Malaysia, 2019–2023

Table C2.4: *Labour force by sex and highest certificate obtained, Malaysia, 2019–2023*

Jantina Sex	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSR/UPSRA or equivalent	PT3/PMR/SRP/ LCE/SRA atau yang setaraf PT3/PMR/SRP/ LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah ('000) <i>Total</i>										
2019	15,581.6	1,709.6	1,853.4	6,413.2	474.7	386.7	1,590.2	2,106.9	595.4	451.4
2020^r	15,406.0	1,459.3	1,555.0	6,763.0	500.4	503.6	1,735.3	2,268.1	328.1	293.3
2021^r	15,532.8	1,136.4	1,363.5	6,910.5	448.6	342.4	1,835.3	2,593.9	463.9	438.4
2022^r	15,769.7	1,137.6	1,344.0	7,072.1	519.2	401.2	1,812.0	2,687.5	435.6	360.5
2023	16,366.8	1,164.5	1,517.0	7,154.6	553.0	345.4	1,824.8	2,905.0	503.3	399.3
Lelaki <i>Male</i>										
2019	9,503.5	1,186.5	1,319.7	4,018.0	220.1	286.7	818.2	990.1	393.7	270.6
2020^r	9,566.2	1,066.0	1,155.0	4,308.3	259.1	360.2	914.5	1,094.6	225.0	183.5
2021^r	9,623.0	841.2	947.6	4,440.2	332.5	230.0	811.7	1,373.2	340.9	305.8
2022^r	9,776.2	830.7	968.3	4,455.7	275.8	293.7	974.2	1,411.7	309.1	256.9
2023	10,188.5	815.8	1,065.3	4,665.2	311.2	243.3	962.0	1,508.0	351.0	266.7
Perempuan <i>Female</i>										
2019	6,078.1	523.1	533.8	2,395.1	254.6	100.1	772.0	1,116.8	201.7	180.8
2020^r	5,839.8	393.3	400.1	2,454.7	241.3	143.4	820.7	1,173.5	103.1	109.8
2021^r	5,909.8	295.3	415.9	2,470.3	116.1	112.4	1,023.5	1,220.7	123.1	132.6
2022^r	5,993.6	306.8	375.8	2,616.4	243.5	107.5	837.9	1,275.8	126.4	103.6
2023	6,178.3	348.7	451.7	2,489.4	241.8	102.1	862.7	1,397.0	152.3	132.6
Jumlah (%) <i>Total</i>										
2019	100.0	11.0	11.9	41.2	3.0	2.5	10.2	13.5	3.8	2.9
2020^r	100.0	9.5	10.1	43.9	3.2	3.3	11.3	14.7	2.1	1.9
2021^r	100.0	7.3	8.8	44.5	2.9	2.2	11.8	16.7	3.0	2.8
2022^r	100.0	7.2	8.5	44.8	3.3	2.5	11.5	17.0	2.8	2.3
2023	100.0	7.1	9.3	43.7	3.4	2.1	11.1	17.7	3.1	2.4
Lelaki <i>Male</i>										
2019	100.0	12.5	13.9	42.3	2.3	3.0	8.6	10.4	4.1	2.8
2020^r	100.0	11.1	12.1	45.0	2.7	3.8	9.6	11.4	2.4	1.9
2021^r	100.0	8.7	9.8	46.1	3.5	2.4	8.4	14.3	3.5	3.2
2022^r	100.0	8.5	9.9	45.6	2.8	3.0	10.0	14.4	3.2	2.6
2023	100.0	8.0	10.5	45.8	3.1	2.4	9.4	14.8	3.4	2.6
Perempuan <i>Female</i>										
2019	100.0	8.6	8.8	39.4	4.2	1.6	12.7	18.4	3.3	3.0
2020^r	100.0	6.7	6.9	42.0	4.1	2.5	14.1	20.1	1.8	1.9
2021^r	100.0	5.0	7.0	41.8	2.0	1.9	17.3	20.7	2.1	2.2
2022^r	100.0	5.1	6.3	43.7	4.1	1.8	14.0	21.3	2.1	1.7
2023	100.0	5.6	7.3	40.3	3.9	1.7	14.0	22.6	2.5	2.1

Jadual C3.1:
Table C3.1a:

Penduduk bekerja mengikut jantina dan kumpulan umur, Malaysia, 2019–2023
Employed persons by sex and age group, Malaysia, 2019–2023

Jantina Sex	Jumlah Total	15–19	20–24	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64
Jumlah ('000) <i>Total</i>											
2019	15,073.4	528.4	1,986.4	2,674.1	2,434.1	2,034.3	1,605.7	1,403.7	1,192.2	828.1	386.4
2020^f	14,719.4	440.2	1,588.4	2,322.9	2,425.3	2,245.7	1,793.3	1,444.2	1,156.7	865.5	437.1
2021^f	14,825.2	587.3	1,682.3	2,306.0	2,297.2	2,302.9	1,897.5	1,443.0	1,112.8	799.2	397.0
2022^f	15,155.2	537.0	1,673.8	2,352.0	2,418.9	2,306.9	1,957.2	1,471.1	1,163.2	835.8	439.4
2023	15,813.4	604.2	1,796.2	2,420.4	2,431.6	2,370.0	2,129.5	1,528.5	1,219.5	868.4	444.9
Lelaki <i>Male</i>											
2019	9,202.4	347.1	1,197.8	1,579.8	1,444.9	1,234.1	974.8	846.9	750.1	561.5	265.5
2020^f	9,151.2	310.4	969.9	1,386.3	1,474.9	1,391.4	1,113.0	892.7	725.8	577.1	309.7
2021^f	9,194.6	292.3	1,064.8	1,332.6	1,410.4	1,395.8	1,164.0	913.4	740.2	583.2	298.0
2022^f	9,402.1	335.8	1,063.8	1,390.3	1,421.0	1,393.6	1,195.7	919.4	750.6	586.5	345.4
2023	9,849.5	322.9	1,177.3	1,451.9	1,465.5	1,469.4	1,286.1	968.6	789.4	605.4	313.1
Perempuan <i>Female</i>											
2019	5,871.0	181.3	788.5	1,094.3	989.1	800.3	630.9	556.8	442.0	266.7	121.0
2020^f	5,568.2	129.8	618.5	936.6	950.5	854.3	680.3	551.5	430.9	288.4	127.4
2021^f	5,630.6	295.0	617.5	973.4	886.8	907.1	733.6	529.6	372.6	216.0	99.0
2022^f	5,753.1	201.2	610.0	961.7	997.9	913.3	761.5	551.7	412.5	249.3	94.0
2023	5,963.8	281.3	618.9	968.5	966.1	900.7	843.4	560.0	430.2	263.1	131.7
Jumlah (%) <i>Total</i>											
2019	100.0	3.5	13.2	17.7	16.1	13.5	10.7	9.3	7.9	5.5	2.6
2020^f	100.0	3.0	10.8	15.8	16.5	15.3	12.2	9.8	7.9	5.9	3.0
2021^f	100.0	4.0	11.3	15.6	15.5	15.5	12.8	9.7	7.5	5.4	2.7
2022^f	100.0	3.5	11.0	15.5	16.0	15.2	12.9	9.7	7.7	5.5	2.9
2023	100.0	3.8	11.4	15.3	15.4	15.0	13.5	9.7	7.7	5.5	2.8
Lelaki <i>Male</i>											
2019	100.0	3.8	13.0	17.2	15.7	13.4	10.6	9.2	8.2	6.1	2.9
2020^f	100.0	3.4	10.6	15.1	16.1	15.2	12.2	9.8	7.9	6.3	3.4
2021^f	100.0	3.2	11.6	14.5	15.3	15.2	12.7	9.9	8.1	6.3	3.2
2022^f	100.0	3.6	11.3	14.8	15.1	14.8	12.7	9.8	8.0	6.2	3.7
2023	100.0	3.3	12.0	14.7	14.9	14.9	13.1	9.8	8.0	6.1	3.2
Perempuan <i>Female</i>											
2019	100.0	3.1	13.4	18.6	16.8	13.6	10.7	9.5	7.5	4.5	2.1
2020^f	100.0	2.3	11.1	16.8	17.1	15.3	12.2	9.9	7.7	5.2	2.3
2021^f	100.0	5.2	11.0	17.3	15.7	16.1	13.0	9.4	6.6	3.8	1.8
2022^f	100.0	3.5	10.6	16.7	17.3	15.9	13.2	9.6	7.2	4.3	1.6
2023	100.0	4.7	10.4	16.2	16.2	15.1	14.1	9.4	7.2	4.4	2.2

Jadual C3.2: Penduduk bekerja mengikut jantina dan kumpulan etnik, Malaysia, 2019–2023
Table C3.2: Employed persons by sex and ethnic group, Malaysia, 2019–2023

Jantina Sex	Jumlah <i>Total</i>	Warganegara Malaysia <i>Malaysian citizens</i>					Bukan warganegara Malaysia
		Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	<i>Non- Malaysian citizens</i>
Jumlah ('000) <i>Total</i>							
2019	15,073.4	12,836.9	8,504.3	3,309.8	916.2	106.5	2,236.6
2020 ^r	14,719.4	12,968.8	8,753.4	3,230.8	898.6	86.1	1,750.6
2021 ^r	14,825.2	13,139.5	8,861.1	3,249.6	911.7	117.1	1,685.7
2022 ^r	15,155.2	13,494.5	9,181.9	3,279.0	956.2	77.3	1,660.8
2023	15,813.4	13,809.3	9,401.7	3,367.1	955.9	84.7	2,004.0
Lelaki <i>Male</i>							
2019	9,202.4	7,674.7	5,132.4	1,935.2	544.1	63.1	1,527.7
2020 ^r	9,151.2	7,788.6	5,325.7	1,870.6	537.4	54.9	1,362.6
2021 ^r	9,194.6	7,883.5	5,322.9	1,940.8	545.2	74.6	1,311.1
2022 ^r	9,402.1	8,078.3	5,485.4	1,979.1	566.1	47.7	1,323.9
2023	9,849.5	8,260.5	5,722.7	1,933.4	551.0	53.3	1,589.1
Perempuan <i>Female</i>							
2019	5,871.0	5,162.1	3,371.9	1,374.6	372.1	43.4	708.9
2020 ^r	5,568.2	5,180.2	3,427.7	1,360.1	361.2	31.2	388.0
2021 ^r	5,630.6	5,256.0	3,538.1	1,308.7	366.6	42.5	374.6
2022 ^r	5,753.1	5,416.2	3,696.5	1,299.9	390.1	29.7	336.9
2023	5,963.8	5,548.9	3,679.0	1,433.7	404.9	31.4	414.9
Jumlah (%) <i>Total</i>							
2019	100.0	85.2	56.4	22.0	6.1	0.7	14.8
2020 ^r	100.0	88.1	59.5	21.9	6.1	0.6	11.9
2021 ^r	100.0	88.6	59.8	21.9	6.1	0.8	11.4
2022 ^r	100.0	89.0	60.6	21.6	6.3	0.5	11.0
2023	100.0	87.3	59.5	21.3	6.0	0.5	12.7
Lelaki <i>Male</i>							
2019	100.0	83.4	55.8	21.0	5.9	0.7	16.6
2020 ^r	100.0	85.1	58.2	20.4	5.9	0.6	14.9
2021 ^r	100.0	85.7	57.9	21.1	5.9	0.8	14.3
2022 ^r	100.0	85.9	58.3	21.0	6.0	0.5	14.1
2023	100.0	83.9	58.1	19.6	5.6	0.5	16.1
Perempuan <i>Female</i>							
2019	100.0	87.9	57.4	23.4	6.3	0.7	12.1
2020 ^r	100.0	93.0	61.6	24.4	6.5	0.6	7.0
2021 ^r	100.0	93.3	62.8	23.2	6.5	0.8	6.7
2022 ^r	100.0	94.1	64.3	22.6	6.8	0.5	5.9
2023	100.0	93.0	61.7	24.0	6.8	0.5	7.0

Jadual C3.3:
Table C3.3:

Penduduk bekerja mengikut jantina dan pekerjaan, Malaysia, 2019–2023
Employed persons by sex and occupation, Malaysia, 2019–2023

Jantina Sex	Jumlah Total	1	2	3	4	5	6	7	8	9
Jumlah ('000) <i>Total</i>										
2019	15,073.4	694.5	1,883.5	1,573.9	1,272.1	3,411.5	932.8	1,577.2	1,865.4	1,862.5
2020^r	14,719.4	826.1	1,944.4	1,591.3	1,258.3	3,472.2	874.3	1,417.2	1,667.7	1,667.9
2021^r	14,825.2	704.4	2,048.6	1,867.8	1,517.1	3,438.4	673.1	1,258.6	1,537.1	1,780.3
2022^r	15,155.2	725.2	2,045.6	1,855.6	1,512.1	3,619.8	691.0	1,379.6	1,575.0	1,751.4
2023	15,813.4	762.5	2,141.5	1,906.8	1,562.9	3,744.0	703.1	1,402.3	1,634.1	1,956.2
Lelaki <i>Male</i>										
2019	9,202.4	532.8	831.0	1,092.9	337.0	1,659.2	740.7	1,228.9	1,446.8	1,333.2
2020^r	9,151.2	625.1	830.9	1,099.1	395.4	1,837.7	692.9	1,137.0	1,297.7	1,235.3
2021^r	9,194.6	541.2	995.7	1,343.5	477.4	1,677.3	561.2	1,013.7	1,233.9	1,350.7
2022^r	9,402.1	552.5	1,006.9	1,321.6	481.1	1,742.7	572.7	1,095.4	1,257.8	1,371.3
2023	9,849.6	569.2	1,067.6	1,354.6	497.1	1,854.9	580.8	1,109.0	1,316.6	1,499.8
Perempuan <i>Female</i>										
2019	5,871.0	161.7	1,052.5	481.0	935.2	1,752.3	192.1	348.3	418.6	529.3
2020^r	5,568.2	201.0	1,113.4	492.2	862.9	1,634.6	181.4	280.2	369.9	432.6
2021^r	5,630.6	163.2	1,052.9	524.2	1,039.7	1,761.1	111.9	244.9	303.2	429.6
2022^r	5,753.1	172.7	1,038.7	533.9	1,031.0	1,877.1	118.2	284.2	317.2	380.1
2023	5,963.8	193.4	1,074.0	552.2	1,065.8	1,889.0	122.3	293.2	317.5	456.4
Jumlah (%) <i>Total</i>										
2019	100.0	4.6	12.5	10.4	8.4	22.6	6.2	10.5	12.4	12.4
2020^r	100.0	5.6	13.2	10.8	8.5	23.6	5.9	9.6	11.3	11.3
2021^r	100.0	4.8	13.8	12.6	10.2	23.2	4.5	8.5	10.4	12.0
2022^r	100.0	4.8	13.5	12.2	10.0	23.9	4.6	9.1	10.4	11.6
2023	100.0	4.8	13.5	12.1	9.9	23.7	4.4	8.9	10.3	12.4
Lelaki <i>Male</i>										
2019	100.0	5.8	9.0	11.9	3.7	18.0	8.0	13.4	15.7	14.5
2020^r	100.0	6.8	9.1	12.0	4.3	20.1	7.6	12.4	14.2	13.5
2021^r	100.0	5.9	10.8	14.6	5.2	18.2	6.1	11.0	13.4	14.7
2022^r	100.0	5.9	10.7	14.1	5.1	18.5	6.1	11.7	13.4	14.6
2023	100.0	5.8	10.8	13.8	5.0	18.8	5.9	11.3	13.4	15.2
Perempuan <i>Female</i>										
2019	100.0	2.8	17.9	8.2	15.9	29.8	3.3	5.9	7.1	9.0
2020^r	100.0	3.6	20.0	8.8	15.5	29.4	3.3	5.0	6.6	7.8
2021^r	100.0	2.9	18.7	9.3	18.5	31.3	2.0	4.3	5.4	7.6
2022^r	100.0	3.0	18.1	9.3	17.9	32.6	2.1	4.9	5.5	6.6
2023	100.0	3.2	18.0	9.3	17.9	31.7	2.1	4.9	5.3	7.7

Pekerjaan berasaskan MASCO 2013. Keterangan terperinci di muka surat 330 nota teknikal.
Occupation is based on MASCO 2013. Details as is page 346 of the technical notes.

Jadual C3.4: Penduduk bekerja mengikut jantina dan industri, Malaysia, 2019–2023
Table C3.4: Employed persons by sex and industry, Malaysia, 2019–2023

Jantina Sex	Jumlah ¹ Total	Pertanian, perhutanan dan perikanan Agriculture, forestry and fishing	Perombongan dan pengkuarian Mining and quarrying	Pembuatan Manufacturing	Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	Bekalan air; pembangunan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	Pembinaan Construction	Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal Wholesale and retail trade; repair of motor vehicles and motorcycles	Pengangkutan dan penyimpanan Transportation and storage	Penginapan dan aktiviti perkhidmatan makanan dan minuman Accommodation and food and beverage service activities	Maklumat dan komunikasi Information and communication
Jumlah ('000) <i>Total</i>											
2019	15,073.4	1,541.2	91.0	2,612.0	75.4	88.8	1,246.7	2,604.6	677.8	1,549.7	223.9
2020^r	14,719.4	1,454.6	82.1	2,469.7	75.2	82.2	1,180.6	2,662.5	692.1	1,473.9	237.6
2021^r	14,825.2	1,408.8	82.8	2,476.4	77.1	86.3	1,165.8	2,732.7	693.6	1,447.2	241.7
2022^r	15,155.2	1,408.1	84.1	2,507.3	78.8	85.0	1,245.4	2,840.6	707.2	1,482.7	252.7
2023	15,813.4	1,437.4	88.8	2,597.8	81.5	85.5	1,284.5	2,991.5	735.3	1,592.8	268.1
Lelaki <i>Male</i>											
2019	9,202.4	1,220.9	72.3	1,615.5	64.0	74.3	1,132.6	1,493.0	578.2	739.2	147.1
2020^r	9,151.2	1,153.7	59.3	1,523.8	63.6	66.6	1,036.4	1,589.5	576.5	829.5	144.9
2021^r	9,194.6	1,171.5	58.9	1,623.5	71.8	66.3	1,023.3	1,530.9	555.9	823.6	168.4
2022^r	9,402.1	1,160.8	53.3	1,656.7	73.3	65.8	1,100.0	1,607.6	552.3	743.4	168.1
2023	9,849.5	1,195.9	59.1	1,704.6	73.9	68.2	1,127.6	1,693.9	581.4	815.5	182.1
Perempuan <i>Female</i>											
2019	5,871.0	320.3	18.7	996.5	11.5	14.4	114.1	1,111.6	99.6	810.4	76.8
2020^r	5,568.2	300.9	22.9	945.9	11.7	15.6	144.2	1,073.1	115.6	644.4	92.8
2021^r	5,630.6	237.2	23.9	852.9	5.4	20.0	142.5	1,201.8	137.7	823.6	73.3
2022^r	5,753.1	247.3	30.9	850.6	5.5	19.3	145.4	1,233.0	154.9	739.3	84.6
2023	5,963.8	241.6	29.7	893.2	7.6	17.2	156.9	1,297.6	153.9	777.3	86.0
Jumlah (%) <i>Total</i>											
2019	100.0	10.2	0.6	17.3	0.5	0.6	8.3	17.3	4.5	10.3	1.5
2020^r	100.0	9.9	0.6	16.8	0.5	0.6	8.0	18.1	4.7	10.0	1.6
2021^r	100.0	9.5	0.6	16.7	0.5	0.6	7.9	18.4	4.7	9.8	1.6
2022^r	100.0	9.3	0.6	16.5	0.5	0.6	8.2	18.7	4.7	9.8	1.7
2023	100.0	9.1	0.6	16.4	0.5	0.5	8.1	18.9	4.6	10.1	1.7
Lelaki <i>Male</i>											
2019	100.0	13.3	0.8	17.6	0.7	0.8	12.3	16.2	6.3	8.0	1.6
2020^r	100.0	12.6	0.6	16.7	0.7	0.7	11.3	17.4	6.3	9.1	1.6
2021^r	100.0	12.7	0.6	17.7	0.8	0.7	11.1	16.6	6.0	6.8	1.8
2022^r	100.0	12.3	0.6	17.6	0.8	0.7	11.7	17.1	5.9	7.9	1.8
2023	100.0	12.1	0.6	17.3	0.8	0.7	11.4	17.2	5.9	8.3	1.8
Perempuan <i>Female</i>											
2019	100.0	5.5	0.3	17.0	0.2	0.2	1.9	18.9	1.7	13.8	1.3
2020^r	100.0	5.4	0.4	17.0	0.2	0.3	2.6	19.3	2.1	11.6	1.7
2021^r	100.0	4.2	0.4	15.1	0.1	0.4	2.5	21.3	2.4	14.6	1.3
2022^r	100.0	4.3	0.5	14.8	0.1	0.3	2.5	21.4	2.7	12.9	1.5
2023	100.0	4.1	0.5	15.0	0.1	0.3	2.6	21.8	2.6	13.0	1.4

¹Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'
Total includes 'Activities of extraterritorial organizations and bodies'

Jadual C3.4:

Penduduk bekerja mengikut jantina dan industri, Malaysia, 2019–2023 (samb.)

Table C3.4:

Employed persons by sex and industry, Malaysia, 2019–2023 (cont'd)

Jantina Sex	Aktiviti kewangan dan insurans/ takaful Financial and insurance/ takaful activities	Aktiviti hartanah Real estate activities	Aktiviti profesional, saintifik dan teknikal Professional, scientific and technical activities	Aktiviti pentadbiran dan khidmat sokongan Administrative and support service activities	Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib Public administration and defence; compulsory social security	Pendidikan Education	Aktiviti kesihatan kemanusiaan dan kerja sosial Human health and social work activities	Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	Aktiviti perkhidmatan lain Other service activities	Aktiviti isi rumah sebagai majikan Activities of households as employers
Jumlah ('000) Total										
2019	355.1	90.3	394.7	809.2	737.1	992.1	527.7	84.0	266.1	104.3
2020^r	389.3	87.1	397.1	784.6	773.2	958.9	562.1	56.3	250.9	49.3
2021^r	428.3	90.6	379.0	803.3	782.9	963.0	601.1	67.9	255.8	40.9
2022^r	410.4	90.5	380.0	834.3	783.6	944.5	596.1	70.9	258.2	94.7
2023	434.2	92.8	390.3	886.3	797.1	989.5	626.4	72.5	261.6	99.2
Lelaki Male										
2019	157.2	48.4	195.4	522.5	513.4	334.6	114.6	52.6	117.4	7.8
2020^r	186.2	46.3	204.3	515.8	518.9	305.0	159.5	30.5	133.8	7.2
2021^r	192.0	56.7	188.5	481.5	546.5	390.1	277.0	28.0	139.2	1.0
2022^r	196.9	53.8	195.7	499.6	542.4	317.0	224.4	30.5	140.1	20.4
2023	208.2	57.0	212.5	542.1	563.3	341.2	223.9	39.2	154.5	5.4
Perempuan Female										
2019	197.9	41.9	199.3	286.8	223.7	657.5	413.1	31.4	148.7	96.6
2020^r	203.1	40.8	192.7	268.9	254.3	653.9	402.6	25.8	117.2	42.1
2021^r	236.3	33.9	190.5	321.8	236.4	572.9	324.1	39.9	116.6	39.9
2022^r	213.5	36.6	184.3	334.7	241.2	627.5	371.7	40.3	118.1	74.3
2023	226.0	35.8	177.8	344.3	233.8	648.4	402.4	33.3	107.1	93.8
Jumlah (%) Total										
2019	2.6	0.7	2.9	6.0	5.5	7.4	3.9	0.6	2.0	0.8
2020^r	2.6	0.6	2.7	5.3	5.3	6.5	3.8	0.4	1.7	0.3
2021^r	2.9	0.6	2.6	5.4	5.3	6.5	4.1	0.5	1.7	0.3
2022^r	2.7	0.6	2.5	5.5	5.2	6.2	3.9	0.5	1.7	0.6
2023	2.7	0.6	2.5	5.6	5.0	6.3	4.0	0.5	1.7	0.6
Lelaki Male										
2019	2.0	0.6	2.5	6.6	6.5	4.2	1.4	0.7	1.5	0.1
2020^r	2.0	0.5	2.2	5.6	5.7	3.3	1.7	0.3	1.5	0.1
2021^r	2.1	0.6	2.1	5.2	5.9	4.2	3.0	0.3	1.5	0.0
2022^r	2.1	0.6	2.1	5.3	5.8	3.4	2.4	0.3	1.5	0.2
2023	2.1	0.6	2.2	5.5	5.7	3.5	2.3	0.4	1.6	0.1
Perempuan Female										
2019	3.6	0.8	3.6	5.2	4.0	11.9	7.5	0.6	2.7	1.7
2020^r	3.6	0.7	3.5	4.8	4.6	11.7	7.2	0.5	2.1	0.8
2021^r	4.2	0.6	3.4	5.7	4.2	10.2	5.8	0.7	2.1	0.7
2022^r	3.7	0.6	3.2	5.8	4.2	10.9	6.5	0.7	2.1	1.3
2023	3.8	0.6	3.0	5.8	3.9	10.9	6.7	0.6	1.8	1.6

Jadual C3.5:
Table C3.5:

Penduduk bekerja mengikut jantina dan taraf pekerjaan, Malaysia, 2019–2023
Employed persons by sex and status in employment, Malaysia, 2019–2023

Jantina Sex	Jumlah Total	Majikan Employer	Pekerja Employee	Bekerja sendiri Own account worker	Pekerja keluarga tanpa gaji Unpaid family worker
Jumlah ('000) <i>Total</i>					
2019	15,073.4	552.9	11,218.3	2,724.2	578.1
2020 ^r	14,719.4	499.8	11,443.3	2,309.9	466.3
2021 ^r	14,825.2	504.5	11,696.2	2,158.1	466.4
2022 ^r	15,155.2	535.5	11,904.7	2,257.4	457.6
2023	15,813.4	578.2	12,419.7	2,375.2	440.3
Lelaki <i>Male</i>					
2019	9,202.4	450.9	6,857.3	1,684.3	210.0
2020 ^r	9,151.2	403.4	7,077.5	1,493.9	176.4
2021 ^r	9,194.6	397.1	7,062.9	1,568.7	165.9
2022 ^r	9,402.1	430.9	7,155.0	1,650.2	166.1
2023	9,849.5	453.4	7,527.9	1,665.1	203.2
Perempuan <i>Female</i>					
2019	5,871.0	102.0	4,360.9	1,039.9	368.2
2020 ^r	5,568.2	96.5	4,365.8	816.0	289.9
2021 ^r	5,630.6	107.4	4,633.3	589.4	300.5
2022 ^r	5,753.1	104.6	4,749.7	607.2	291.6
2023	5,963.8	124.7	4,891.8	710.1	237.2
Jumlah (%) <i>Total</i>					
2019	100.0	3.7	74.4	18.1	3.8
2020 ^r	100.0	3.4	77.7	15.7	3.2
2021 ^r	100.0	3.4	78.9	14.6	3.1
2022 ^r	100.0	3.5	78.6	14.9	3.0
2023	100.0	3.7	78.5	15.0	2.8
Lelaki <i>Male</i>					
2019	100.0	4.9	74.5	18.3	2.3
2020 ^r	100.0	4.4	77.3	16.3	1.9
2021 ^r	100.0	4.3	76.8	17.1	1.8
2022 ^r	100.0	4.6	76.1	17.6	1.8
2023	100.0	4.6	76.4	16.9	2.1
Perempuan <i>Female</i>					
2019	100.0	1.7	74.3	17.7	6.3
2020 ^r	100.0	1.7	78.4	14.7	5.2
2021 ^r	100.0	1.9	82.3	10.5	5.3
2022 ^r	100.0	1.8	82.6	10.6	5.1
2023	100.0	2.1	82.0	11.9	4.0

Jadual C3.6: Penduduk bekerja mengikut jantina dan pencapaian pendidikan, Malaysia, 2019–2023
Table C3.6: Employed persons by sex and educational attainment, Malaysia, 2019–2023

Jantina Sex	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) <i>Total</i>					
2019	15,073.4	442.0	1,821.2	8,375.0	4,435.2
2020 ^r	14,719.4	294.9	1,370.1	8,215.3	4,839.0
2021 ^r	14,825.2	415.6	1,111.6	8,145.4	5,152.5
2022 ^r	15,155.2	332.6	1,215.0	8,239.6	5,368.1
2023	15,813.4	378.2	1,268.1	8,558.0	5,609.1
Lelaki <i>Male</i>					
2019	9,202.4	263.8	1,220.9	5,448.0	2,269.7
2020 ^r	9,151.2	183.6	984.0	5,435.7	2,547.8
2021 ^r	9,194.6	288.0	834.8	5,360.9	2,710.9
2022 ^r	9,402.1	241.3	887.5	5,366.6	2,906.7
2023	9,849.5	253.4	911.1	5,678.5	3,006.5
Perempuan <i>Female</i>					
2019	5,871.0	178.2	600.4	2,926.9	2,165.5
2020 ^r	5,568.2	111.4	386.0	2,779.6	2,291.2
2021 ^r	5,630.6	127.6	276.8	2,784.5	2,441.7
2022 ^r	5,753.1	91.2	327.5	2,873.0	2,461.4
2023	5,963.8	124.7	357.0	2,879.5	2,602.6
Jumlah (%) <i>Total</i>					
2019	100.0	2.9	12.1	55.6	29.4
2020 ^r	100.0	2.0	9.3	55.8	32.9
2021 ^r	100.0	2.8	7.5	54.9	34.8
2022 ^r	100.0	2.2	8.0	54.4	35.4
2023	100.0	2.4	8.0	54.1	35.5
Lelaki <i>Male</i>					
2019	100.0	2.9	13.3	59.2	24.7
2020 ^r	100.0	2.0	10.8	59.4	27.8
2021 ^r	100.0	3.1	9.1	58.3	29.5
2022 ^r	100.0	2.6	9.4	57.1	30.9
2023	100.0	2.6	9.3	57.7	30.5
Perempuan <i>Female</i>					
2019	100.0	3.0	10.2	49.9	36.9
2020 ^r	100.0	2.0	6.9	49.9	41.1
2021 ^r	100.0	2.3	4.9	49.5	43.4
2022 ^r	100.0	1.6	5.7	49.9	42.8
2023	100.0	2.1	6.0	48.3	43.6

Jadual C3.7:
Table C3.7:

Penduduk bekerja mengikut jantina dan sijil tertinggi diperolehi, Malaysia, 2019–2023
Employed persons by sex and highest certificate obtained, Malaysia, 2019–2023

Jantina Sex	Jumlah Total	UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	PT3/PMR/SRP/ LCE/SRA atau yang setaraf PT3/PMR/SRP/ LCE/ SRA or equivalent	SPM atau yang setaraf SPM or equivalent	STPM atau yang setaraf STPM or equivalent	Sijil Certificate	Diploma	Ijazah Degree	Tiada sijil No certificate	Tidak berkenaan Not applicable
Jumlah ('000) <i>Total</i>										
2019	15,073.4	1,673.6	1,805.8	6,195.1	455.5	370.7	1,520.2	2,033.5	579.9	439.1
2020^r	14,719.4	1,397.0	1,499.3	6,451.2	470.9	482.2	1,652.4	2,178.7	309.1	278.5
2021^r	14,825.2	1,087.5	1,296.5	6,588.0	416.8	325.4	1,764.5	2,496.7	436.2	413.6
2022^r	15,155.2	1,092.5	1,290.3	6,777.8	486.4	390.9	1,747.8	2,616.3	423.0	330.2
2023	15,813.4	1,110.7	1,464.7	6,899.5	532.3	334.3	1,774.9	2,851.1	474.8	371.0
Lelaki <i>Male</i>										
2019	9,202.4	1,159.2	1,281.8	3,883.4	212.4	274.6	782.4	963.8	382.3	262.6
2020^r	9,151.2	1,021.0	1,111.1	4,116.1	245.1	344.9	869.9	1,055.0	213.1	175.0
2021^r	9,194.6	814.1	904.2	4,230.2	312.7	217.8	771.7	1,334.1	322.6	287.1
2022^r	9,402.1	798.0	931.3	4,268.4	259.8	286.8	938.4	1,378.7	301.2	239.5
2023	9,849.5	775.3	1,029.3	4,509.3	298.1	236.6	934.1	1,484.5	334.1	248.3
Perempuan <i>Female</i>										
2019	5,871.0	514.3	524.0	2,311.7	243.1	96.2	737.8	1,069.7	197.7	176.6
2020^r	5,568.2	376.0	388.3	2,335.1	225.7	137.3	782.5	1,123.7	96.0	103.5
2021^r	5,630.6	273.4	392.3	2,357.8	104.0	107.6	992.7	1,162.6	113.5	126.5
2022^r	5,753.1	294.4	359.1	2,509.4	226.6	104.1	809.5	1,237.6	121.9	90.7
2023	5,963.8	335.4	435.4	2,390.3	234.1	97.7	840.8	1,366.6	140.7	122.8
Jumlah (%) <i>Total</i>										
2019	100.0	11.1	12.0	41.1	3.0	2.5	10.1	13.5	3.8	2.9
2020^r	100.0	9.5	10.2	43.8	3.2	3.3	11.2	14.8	2.1	1.9
2021^r	100.0	7.3	8.7	44.4	2.8	2.2	11.9	16.8	2.9	2.8
2022^r	100.0	7.2	8.5	44.7	3.2	2.6	11.5	17.3	2.8	2.2
2023	100.0	7.0	9.3	43.6	3.4	2.1	11.2	18.0	3.0	2.3
Lelaki <i>Male</i>										
2019	100.0	12.6	13.9	42.2	2.3	3.0	8.5	10.5	4.2	2.9
2020^r	100.0	11.2	12.1	45.0	2.7	3.8	9.5	11.5	2.3	1.9
2021^r	100.0	8.9	9.8	46.0	3.4	2.4	8.4	14.5	3.5	3.1
2022^r	100.0	8.5	9.9	45.4	2.8	3.1	10.0	14.7	3.2	2.5
2023	100.0	7.9	10.5	45.8	3.0	2.4	9.5	15.1	3.4	2.5
Perempuan <i>Female</i>										
2019	100.0	8.8	8.9	39.4	4.1	1.6	12.6	18.2	3.4	3.0
2020^r	100.0	6.8	7.0	41.9	4.1	2.5	14.1	20.2	1.7	1.9
2021^r	100.0	4.9	7.0	41.9	1.8	1.9	17.6	20.6	2.0	2.2
2022^r	100.0	5.1	6.2	43.6	3.9	1.8	14.1	21.5	2.1	1.6
2023	100.0	5.6	7.3	40.1	3.9	1.6	14.1	22.9	2.4	2.1

Jadual C3.8: Penduduk bekerja kurang dari 30 jam, Malaysia, 2019–2023
Table C3.8: Employed persons working less than 30 hours, Malaysia, 2019–2023

Tahun Year	Penduduk bekerja kurang dari 30 jam Employed persons working less than 30 hours	Kadar penduduk bekerja kurang dari 30 jam Rate of employed persons working less than 30 hours
2019	337.6	2.2
2020 ^r	519.1	3.5
2021 ^r	401.3	2.7
2022 ^r	320.3	2.1
2023	226.3	1.4

Jadual C3.9: Guna tenaga tidak penuh berkaitan masa, Malaysia, 2019–2023
Table C3.9: Time-related underemployment, Malaysia, 2019–2023

Tahun Year	Guna tenaga tidak penuh berkaitan masa Time-related underemployment	Kadar guna tenaga tidak penuh berkaitan masa Rate of time-related underemployment
2019	191.6	1.3
2020 ^r	306.8	2.1
2021 ^r	272.3	1.8
2022 ^r	220.8	1.5
2023	137.5	0.9

Jadual C3.10: Guna tenaga tidak penuh berkaitan kemahiran, Malaysia, 2019–2023
Table C3.10: Skill-related underemployment, Malaysia, 2019–2023

Tahun Year	Guna tenaga tidak penuh berkaitan kemahiran Skill-related underemployment	Kadar guna tenaga tidak penuh berkaitan kemahiran Rate of skill-related underemployment
2019	1,526.7	34.4
2020 ^r	1,762.0	36.4
2021 ^r	1,931.1	37.5
2022 ^r	2,004.5	37.3
2023	2,035.0	36.3

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NOTA TEKNIKAL

1. PENGENALAN

- 1.1 Statistik yang diterbitkan dalam laporan ini adalah berdasarkan Survei Tenaga Buruh (STB) yang dilaksanakan oleh Jabatan Perangkaan Malaysia (DOSM). STB dilaksanakan berdasarkan garis panduan dan syor *International Labour Organization (ILO)* dengan merujuk kepada *Surveys of Economically Active Population, Employment, Unemployment and Underemployment: An ILO Manual on Concepts and Methods*.
- 1.2 Survei yang dijalankan setiap bulan ini menyediakan statistik tenaga buruh, guna tenaga dan pengangguran di peringkat nasional dan negeri serta kawasan bandar dan luar bandar. Pendekatan yang lengkap dan sistematik dalam pengumpulan dan prosesan data dikekalkan dari semasa ke semasa untuk mendapatkan perbandingan statistik siri masa.
- 1.3 Maklumat yang dikumpul melalui STB adalah mengikut peruntukan **Akta Perangkaan 1965 (Disemak 1989). Seksyen 6** di bawah Akta ini mengkehendaki mana-mana individu memberikan butiran maklumat sebenar atau anggaran terbaik kepada DOSM. Sementara itu, **Seksyen 7** Akta yang sama memperuntukkan denda kepada responden yang gagal memberi kerjasama dalam pelaksanaan penyiasatan oleh DOSM. Mengikut Akta ini, maklumat terperinci yang dikumpul adalah sulit dan hanya angka agregat diterbitkan.
- 1.4 Nota teknikal ini menyediakan penerangan terperinci mengenai konsep, definisi dan metodologi yang digunakan dalam pelaksanaan STB bagi membantu pengguna untuk memahami dengan lebih mendalam berkaitan maklumat pasaran buruh yang dipungut melalui pendekatan isi rumah.

2. OBJEKTIF SURVEI

- 2.1 Objektif utama STB ialah :
 - i. mengumpul maklumat berkaitan struktur dan taburan tenaga buruh, guna tenaga dan pengangguran; dan
 - ii. menyediakan statistik terkini berkaitan situasi pasaran buruh dari aspek penawaran tenaga buruh.
- 2.2 Statistik daripada survei ini digunakan terutamanya oleh Kerajaan sebagai input dalam merangka strategi pembangunan negara; serta oleh ahli ekonomi, ahli akademik, sektor swasta dan individu bagi tujuan penyelidikan dan analisis.

3. KAEDAH PENGUMPULAN DATA

- 3.1 STB menggunakan kaedah temu ramah bersemuka dengan responden. Dalam tempoh survei, penemuramah yang dilatih melawat isi rumah di tempat kediaman (TK) terpilih untuk memperoleh maklumat demografi semua ahli isi rumah dan maklumat terperinci berkaitan butir-butir tenaga buruh bagi ahli isi rumah yang berumur 15 tahun dan lebih.

- 3.2 Semakan kerja luar dibuat untuk mengesan kemungkinan maklumat tertinggal serta membetulkan sebarang kesilapan semasa survei ini dijalankan. Di samping itu, isi rumah terpilih juga ditemuramah semula untuk menyemak kualiti operasi pungutan data.
- 3.3 Sebanyak 25 peratus daripada panel ulangan terpilih ditemuramah menggunakan kaedah *Computer-Assisted Telephone Interviewing* (CATI) .

4. SOAL SELIDIK

- 4.1 Soal selidik survei telah direka bentuk untuk mengumpul maklumat yang relevan berkaitan ciri-ciri sosial dan demografi bagi populasi survei dan maklumat terperinci berkaitan ciri-ciri ekonomi tenaga buruh.
- 4.2 Semua ahli isi rumah akan ditanya maklumat berikut:
- perhubungan dengan ketua isi rumah;
 - jantina;
 - umur;
 - etnik dan kewarganegaraan;
 - taraf perkahwinan; dan
 - pencapaian pendidikan.
- 4.3 Bagi ahli isi rumah yang berumur 15 tahun dan lebih, **taraf aktiviti** sama ada bekerja, menganggur atau di luar tenaga buruh akan ditentukan.
- 4.3.1 Maklumat yang dikumpul bagi mereka yang bekerja adalah sama ada bekerja atau tidak semasa minggu rujukan, bilangan jam bekerja, pekerjaan, industri dan taraf pekerjaan. Sekiranya mereka bekerja kurang daripada 30 jam seminggu, sebab dan kesanggupan menerima kerja tambahan juga diperoleh. Jika mereka tidak bekerja semasa minggu rujukan tetapi mempunyai pekerjaan untuk dikerjakan kembali, maka sebab-sebab tidak bekerja akan ditanya.
- 4.3.2 Soalan-soalan berikut akan ditanya kepada ahli isi rumah yang menganggur:
- tindakan yang telah diambil untuk mencari kerja;
 - pengalaman bekerja; dan
 - tempoh pengangguran.
- 4.3.3 Ahli isi rumah yang dikelaskan sebagai di luar tenaga buruh pula akan diminta menyatakan sebab-sebab tidak mencari pekerjaan dan sama ada mempunyai pengalaman bekerja.

5. TEMPOH RUJUKAN

Tempoh rujukan survei merujuk kepada **tujuh hari (minggu)** sebelum tarikh permulaan temu ramah iaitu 1 - 7, 8 - 14 dan 15 - 21 hari bulan bagi bulan berkenaan.

6. SKOP DAN LIPUTAN

- 6.1 STB meliputi kedua-dua kawasan bandar dan luar bandar bagi daerah pentadbiran dalam semua negeri di Malaysia.
- 6.2 Definisi populasi survei meliputi penduduk yang tinggal di TK persendirian dan **tidak termasuk** mereka yang tinggal di TK institusi seperti hotel, asrama, hospital, penjara, rumah tumpangan dan pekerja yang tinggal di rumah kongsi.
- 6.3 Walaupun STB tidak meliputi penduduk yang tinggal di TK institusi, tiada pengubahsuaian dilakukan untuk mengasingkan penduduk yang tinggal di TK institusi daripada anggaran penduduk pertengahan tahun selepas banci. Berdasarkan Banci Penduduk dan Perumahan 2010, penduduk yang tinggal di TK institusi adalah kurang daripada empat peratus daripada jumlah penduduk. Peratusan ini adalah kecil dan tidak mempengaruhi anggaran statistik tenaga buruh.
- 6.4 STB merangkumi penduduk yang aktif dan tidak aktif dalam ekonomi yang berumur **15 hingga 64 tahun**. Penduduk yang aktif dalam ekonomi terdiri daripada mereka yang bekerja atau menganggur, manakala mereka yang tidak aktif dikelaskan sebagai di luar tenaga buruh.

7. RANGKA PENSAMPELAN

- 7.1 Rangka yang digunakan bagi pemilihan sampel STB 2023 adalah berdasarkan Rangka Pensampelan Isi Rumah yang terdiri daripada blok penghitungan (BP) yang diwujudkan untuk pelaksanaan Banci Penduduk dan Perumahan 2020 dan dikemas kini dari semasa ke semasa.
- 7.2 BP merupakan suatu kawasan muka bumi yang diwujudkan untuk tujuan pelaksanaan operasi pungutan data yang secara puratanya mengandungi antara 80 hingga 120 TK. Semua BP dibentuk dalam lingkungan sempadan yang diwartakan iaitu di dalam daerah pentadbiran, mukim atau kawasan pihak berkuasa tempatan.
- 7.3 BP dalam rangka pensampelan dikelaskan mengikut kawasan bandar dan luar bandar.

i. Kawasan bandar

Kawasan yang diwartakan serta kawasan tepu bina yang bersempadan dengannya dan gabungan kedua-dua kawasan ini mempunyai penduduk seramai 10,000 orang atau lebih semasa Banci Penduduk dan Perumahan 2020.

• Kawasan tepu bina

Kawasan yang terletak bersebelahan kawasan yang diwartakan dan mempunyai sekurang-kurangnya 60 peratus penduduk (berumur 15 tahun dan lebih) yang terlibat dalam aktiviti bukan pertanian.

Definisi kawasan bandar juga mengambil kira kawasan pembangunan khusus iaitu kawasan pembangunan yang tidak diwartakan dan boleh dikenal pasti serta terpisah dari kawasan yang diwartakan atau kawasan tepu bina melebihi 5km dan mempunyai penduduk sekurang-kurangnya 10,000 orang dengan 60 peratus penduduk (berumur 15 tahun dan lebih) terlibat dalam aktiviti bukan pertanian.

ii. Kawasan luar bandar

Kawasan selain yang diwartakan dan mempunyai jumlah penduduk kurang daripada 10,000 orang serta kawasan yang tidak diwartakan.

7.4 Pemandaran merupakan proses yang dinamik dan sentiasa berubah mengikut kemajuan dan pembangunan. Oleh itu, kawasan bandar bagi Banci Penduduk dan Perumahan 2000 dan 2010 tidak semestinya merujuk kepada kawasan yang sama kerana kawasan yang memenuhi kriteria bandar akan terus bertambah dan berkembang mengikut masa.

7.5 Klasifikasi kawasan mengikut strata yang digunakan adalah seperti berikut:

Strata	Jumlah penduduk dalam kawasan yang diwartakan, tepu bina dan kawasan pembangunan khusus
(i) Metropolitan	75,000 dan lebih
(ii) Bandar besar	10,000 hingga 74,999
(iii) Bandar kecil	1,000 hingga 9,999
(iv) Luar bandar	Kawasan selebihnya

7.6 Bagi tujuan pensampelan, klasifikasi kawasan seperti di perkara 7.5 adalah digunakan untuk semua negeri serta Wilayah Persekutuan. Bagi Sabah dan Sarawak, memandangkan masalah kesukaran untuk akses ke kawasan pedalaman, strata luar bandar dikembangkan lagi berdasarkan kepada jangka waktu yang diambil untuk sampai ke sesuatu tempat dari pusat bandar yang terdekat.

7.7 Bagi tujuan penjadualan laporan, strata-strata dicantumkan seperti berikut:

Bandar = Metropolitan + Bandar besar
 Luar bandar = Bandar kecil + Keseluruhan luar bandar

8. REKA BENTUK PENSAMPELAN

- 8.1 Reka bentuk pensampelan berstrata dua peringkat telah digunakan. Pembentukan strata adalah seperti berikut:

Strata utama	Meliputi semua negeri di Malaysia
Strata kedua	Meliputi semua daerah pentadbiran mengikut negeri di Malaysia
Strata ketiga	Meliputi bandar dan luar bandar

- 8.2 Pemilihan sampel dilakukan pada peringkat BP dengan menggunakan kaedah Pensampelan Rawak Sistematis. Seterusnya sampel TK dipilih dari BP yang terpilih menggunakan kaedah sistematik melalui penjana nombor rawak dan menetapkan selang pemilihan supaya setiap TK mempunyai kebarangkalian yang sama untuk terpilih. Prosedur ini dilaksanakan secara teratur dan saintifik untuk menghasilkan sampel yang tidak pincang (unbiased) dan boleh mewakili keseluruhan populasi isi rumah di Malaysia.

9. SAIZ SAMPEL

- 9.1 Saiz sampel survei perlu mewakili populasi mengikut keperluan peringkat analisis yang ditetapkan. Saiz sampel survei ini telah mengambil kira elemen berikut:

- peringkat reka bentuk pensampelan;
- kadar penyertaan tenaga buruh;
- ralat yang disasarkan ; dan
- kadar respons .

Faktor yang dipertimbangkan bagi memuktamadkan saiz sampel adalah kos, masa dan sumber manusia.

- 9.2 Agihan saiz sampel dalam STB 2023 adalah seperti berikut:

Negeri	Bilangan BP Terpilih	Bilangan TK Terpilih
Johor	1,164	9,312
Kedah	1,020	8,160
Kelantan	792	6,336
Melaka	468	3,744
Negeri Sembilan	732	5,856
Pahang	936	7,488
Pulau Pinang	660	5,280
Perak	1,080	8,640

Perlis	276	2,208
Selangor	1,140	9,120
Terengganu	684	5,472
Sabah	1,452	11,616
Sarawak	1,500	12,000
W.P. Kuala Lumpur	456	3,648
W.P. Labuan	132	1,056
W.P. Putrajaya	156	1,248
Malaysia	12,648	101,184

10. PROSEDUR PENGANGGARAN

10.1 Anggaran penduduk semasa mengikut ciri-ciri kumpulan umur, jantina, kewarganegaraan, etnik dan negeri digunakan sebagai penanda aras dalam penyediaan statistik tenaga buruh melalui **teknik anggaran nisbah bergabung** iaitu *adjusted weight* dan faktor penduduk.

i. *Adjusted weight*

Adjusted weight digunakan bagi mengambil kira kes tidak respons.

ii. **Faktor penduduk**

Dalam reka bentuk pensampelan berperingkat, saiz sampel adalah pembolehubah rawak dan jumlah agregat yang dianggar daripada penyiasatan boleh menghasilkan ralat pensampelan yang tinggi. Wajaran external digunakan untuk memberikan ralat pensampelan yang minimum. Wajaran external yang digunakan dalam Survei Tenaga Buruh ialah faktor penduduk. Faktor penduduk diperoleh melalui anggaran terkini jumlah penduduk yang mana ia digunakan untuk mengubahsuai kadar dan nisbah yang dianggarkan daripada survei.

10.2 Dua jenis statistik penduduk disediakan oleh DOSM iaitu:

i. **Unjuran penduduk** bagi menunjukkan saiz dan struktur penduduk jangka panjang berasaskan andaian tertentu mengenai trend kesuburan, mortaliti dan migrasi. Statistik ini digunakan sebagai input dalam membuat perancangan dan penggubalan dasar pada masa hadapan.

ii. **Anggaran penduduk** semasa bagi menggambarkan saiz populasi pada masa kini dan disediakan secara tahunan berasaskan data semasa kelahiran, kematian dan migrasi.

- 10.3 Bermula STB 2023, statistik tenaga buruh dianggarkan berdasarkan anggaran penduduk semasa daripada Banci Penduduk dan Perumahan 2020 terkini. Oleh itu, siri data bagi 2020-2022 disemak semula berdasarkan anggaran penduduk semasa terkini.

11. KONSEP DAN DEFINISI

- 11.1 Had umur bekerja bagi sesebuah negara ditentukan berdasarkan struktur umur penduduk negara tersebut yang aktif dalam ekonomi. Umur bekerja bagi analisis STB di Malaysia merujuk kepada ahli isi rumah yang berumur **15 hingga 64 tahun** semasa minggu rujukan, sama ada berada di dalam tenaga buruh atau di luar tenaga buruh .

- 11.2 STB menggunakan pendekatan **taraf sebenar** yang mana seseorang itu dikelaskan berasaskan kegiatannya dalam tenaga buruh semasa minggu rujukan. Taraf aktiviti ini terbahagi kepada kategori berikut:

i. **Tenaga buruh**

Tenaga buruh merujuk kepada penduduk dalam kumpulan umur bekerja sama ada **bekerja** atau **menganggur**.

ii. **Bekerja**

Semua orang yang bekerja sekurang-kurangnya sejam semasa minggu rujukan untuk mendapatkan upah, keuntungan atau keuntungan keluarga sama ada sebagai majikan, pekerja, bekerja sendiri atau pekerja keluarga tanpa gaji. Mereka juga dianggap bekerja jika:

- a. tidak bekerja semasa minggu rujukan disebabkan sakit, kecederaan, tiada upaya, cuaca buruk, bercuti, pertelingkahan buruh dan sebab-sebab sosial atau keagamaan tetapi mempunyai pekerjaan, ladang, perusahaan atau perusahaan keluarga lain untuk kembali bekerja.
- b. tidak bekerja buat sementara waktu tetapi bergaji dan pasti akan dipanggil bekerja semula.
- c. Bekerja **kurang daripada 30 jam** semasa minggu rujukan disebabkan bentuk kerja atau disebabkan kurang kerja dan berkeupayaan serta sanggup menerima tambahan bilangan jam bekerja. Kumpulan ini merupakan guna tenaga tidak penuh.
- d. Mereka yang bekerja dalam kategori guna tenaga tidak penuh:
 - **guna tenaga tidak penuh berkaitan masa** merupakan kumpulan yang bekerja kurang daripada 30 jam semasa minggu rujukan disebabkan keadaan kerja yang tidak mencukupi dan berkeupayaan serta sanggup menerima tambahan bilangan jam bekerja.

- **guna tenaga tidak penuh berkaitan kemahiran** merujuk kepada mereka yang mempunyai pendidikan tertiar dan bekerja dalam kategori separuh mahir dan berkemahiran rendah.

Mereka yang bekerja **lebih daripada 30 jam** semasa minggu rujukan merupakan **guna tenaga penuh**.

iii. **Menganggur**

Penganggur adalah mereka yang tidak bekerja semasa minggu rujukan dan dikelaskan kepada dua kumpulan iaitu penganggur aktif dan penganggur tidak aktif.

Penganggur aktif adalah mereka yang bersedia untuk bekerja dan aktif mencari pekerjaan dalam minggu rujukan.

Penganggur tidak aktif adalah mereka yang berada dalam kategori berikut:

- tidak mencari pekerjaan dalam minggu rujukan kerana percaya tidak terdapat pekerjaan atau pun tidak berkelayakan;
- mungkin mencari pekerjaan jika tidak kerana sakit atau keadaan cuaca; dan
- telah mencari pekerjaan sebelum minggu rujukan dan sedang menunggu jawapan permohonan pekerjaan.

iv. **Luar tenaga buruh**

Penduduk yang tidak dikelaskan sebagai bekerja atau menganggur dikategorikan sebagai luar tenaga buruh. Kategori ini terdiri daripada suri rumah, pelajar (termasuk mereka yang akan melanjutkan pelajaran), mereka yang telah bersara, tidak berkeupayaan dan mereka yang tidak berminat untuk mencari pekerjaan.

11.3 **Jam bekerja**

Merujuk kepada jumlah jam bekerja semasa tempoh rujukan.

11.4 **Tempat kediaman**

Tempat kediaman adalah suatu struktur yang dibina **berasingan** dan **bebas** yang lazimnya digunakan sebagai tempat tinggal.

i. **Berasingan**

Struktur dianggap berasingan jika ia dikelilingi oleh dinding, pagar dan lain-lain serta ditutupi oleh bumbung.

ii. **Bebas**

Struktur dikatakan bebas apabila ia mempunyai jalan masuk terus dari laluan umum, tempat lalu lintas atau ruang lapang (iaitu penghuni boleh masuk atau keluar dari tempat kediaman mereka tanpa melalui perkarangan orang lain).

11.5 **Isi rumah**

Seorang atau sekumpulan orang yang bersaudara atau tidak bersaudara yang biasanya tinggal bersama dalam satu **tempat kediaman** serta membuat peruntukan (perbelanjaan)

secara bersama untuk makanan dan keperluan hidup yang lain.

11.6 Ahli biasa

Ahli biasa ialah ahli yang telah atau akan tinggal di tempat kediaman terpilih bagi tempoh sekurang-kurangnya tiga bulan.

11.7 Kumpulan etnik

Kumpulan etnik dikategorikan di kalangan warganegara Malaysia setelah mengasingkan bukan warganegara. Pengelasan tersebut adalah seperti berikut:

- i. Warganegara Malaysia
 - a. Bumiputera
 - b. Cina
 - c. India
 - d. Lain-lain
- ii. Bukan warganegara Malaysia

11.8 Taraf perkahwinan

- i. **Tidak pernah berkahwin**
Merujuk kepada mereka yang belum pernah berkahwin pada masa temu ramah.
- ii. **Berkahwin**
Merujuk kepada mereka yang masih berkahwin pada masa temu ramah. Istilah 'perkahwinan' adalah termasuk perkahwinan mengikut undang-undang atau peraturan keagamaan atau pun tinggal bersama atas persetujuan bersama.
- iii. **Balu/ duda**
Merujuk kepada mereka yang belum berkahwin semula selepas kematian suami/ isteri pada masa temu ramah.
- iv. **Bercerai/ berpisah tetap**
Merujuk kepada mereka yang perkahwinannya telah dimansuhkan melalui perceraian mengikut undang-undang atau peraturan keagamaan atau tidak lagi tinggal bersama bagi satu jangka masa yang lama dan tiada kemungkinan untuk bersatu semula.

11.9 Pencapaian pendidikan

Merujuk kepada peringkat tertinggi seseorang itu telah menamatkan atau sedang mengikuti persekolahan di institusi pendidikan awam atau swasta yang menyediakan pendidikan rasmi dan dikategorikan seperti berikut:

- i. **Tiada pendidikan rasmi**
Merujuk kepada mereka yang tidak pernah menghadiri mana-mana institusi pendidikan yang memberi pendidikan secara rasmi.

- ii. **Rendah**
Merujuk kepada mereka yang telah mencapai pendidikan tertinggi di peringkat Tahun 1 hingga 6 atau yang setaraf.
- iii. **Menengah**
Merujuk kepada mereka yang telah mencapai pendidikan tertinggi di peringkat Tingkatan 1 hingga 5 (termasuk kelas peralihan), *General Certificate of Education (GCE) O Level* atau yang setaraf. Ini termasuk program kemahiran asas di institusi latihan kemahiran khusus dan teknikal dengan tempoh pengajian sekurang-kurangnya enam bulan.
- iv. **Tertiari**
Merujuk kepada mereka yang telah mencapai pendidikan tertinggi selepas Tingkatan 5.

11.10 Sijil tertinggi diperoleh

Merujuk kepada sijil tertinggi diperoleh daripada institusi pendidikan awam atau swasta yang menyediakan pendidikan rasmi dan disesuaikan berasaskan ***International Standard Classification of Education (ISCED–97)*** seperti berikut:

- i. **UPSR/ UPSRA atau yang setaraf**
Merujuk kepada Ujian Penilaian Sekolah Rendah/Ujian Penilaian Sekolah Rendah Agama atau yang setaraf.
- ii. **PT3/ PMR/ SRP/ LCE/ SRA atau yang setaraf**
Merujuk kepada Pentaksiran Tingkatan 3, Penilaian Menengah Rendah, Sijil Rendah Pelajaran, *Lower Certificate of Education*, Sijil Rendah Agama atau yang setaraf.
- iii. **SPM atau yang setaraf**
Merujuk kepada Sijil Pelajaran Malaysia atau yang setaraf (*Senior Cambridge Certificate, GCE O Level* dan Sijil Pelajaran Vokasional Malaysia). Ini termasuk sijil kemahiran asas yang diperoleh daripada institusi latihan teknikal dan kemahiran khusus yang mana tempoh pengajian adalah sekurang-kurangnya enam bulan seperti sijil GIATMARA.
- iv. **STPM atau yang setaraf**
Merujuk kepada Sijil Tinggi Persekolahan Malaysia, *Higher School Certificate* atau kelulusan yang setaraf (Sijil Tinggi Agama dan GCE A Level).
- v. **Sijil**
Merujuk kepada sijil yang diperoleh daripada kolej, politeknik atau institusi-institusi lain yang menawarkan pendidikan rasmi. Tempoh pensijilan adalah tidak kurang dari enam bulan.

- vi. **Diploma**
Merujuk kepada diploma atau sijil yang setaraf dengannya dan diperoleh selepas kategori iii, iv atau v daripada universiti, kolej, maktab atau politeknik sebelum peringkat ijazah.
- vii. **Ijazah**
Merujuk kepada ijazah (Ijazah Sarjana Muda, Sarjana atau Doktor Falsafah) yang diperoleh daripada institusi pengajian tinggi awam atau swasta atau yang setaraf.
- viii. **Tiada sijil**
Merujuk kepada mereka yang masih bersekolah atau telah tamat persekolahan tanpa memperoleh sebarang sijil.
- ix. **Tidak berkenaan**
Merujuk kepada mereka yang tiada pendidikan rasmi.

11.11 Taraf pekerjaan

Merujuk kepada **kedudukan atau taraf** seseorang yang bekerja di dalam pertubuhan atau organisasi di mana beliau bekerja dan disesuaikan berasaskan ***International Classification of Status in Employment (ICSE-93)***. Penduduk bekerja dikelaskan mengikut taraf pekerjaan seperti berikut:

- i. **Majikan**
Seorang yang menjalankan sesuatu perniagaan, perusahaan ladang atau perniagaan lain dan menggaji seorang pekerja atau lebih untuk menolongnya.
- ii. **Pekerja**
Seorang yang bekerja untuk majikan sektor awam atau swasta dan menerima ganjaran tetap seperti upah, gaji, komisen, tip atau ganjaran berbentuk mata benda.
- iii. **Bekerja sendiri**
Seorang yang mengusahakan ladang, perniagaan atau perusahaan sendiri tanpa menggaji pekerja di ladang, perniagaan atau perusahaannya.
- iv. **Pekerja keluarga tanpa gaji**
Seorang yang bekerja tanpa menerima sebarang bayaran atau upah di ladang, perniagaan atau perusahaan yang dijalankan oleh ahli keluarganya yang lain.

11.12 Pekerjaan

- i. Pekerjaan bagi data STB 2011–2015 dikelaskan mengikut klasifikasi **Piawaian Pengelasan Pekerjaan Malaysia (MASCO) 2008** berasaskan ***International Standard Classification of Occupations (ISCO - 08)*** seperti berikut:

1 – Pengurus

- 2 – Profesional
- 3 – Juruteknik dan profesional bersekutu
- 4 – Pekerja sokongan perkeranian
- 5 – Pekerja perkhidmatan dan jualan
- 6 – Pekerja mahir pertanian, perhutanan dan perikanan
- 7 – Pekerja kemahiran dan pekerja pertukangan yang berkaitan
- 8 – Operator loji dan mesin serta pemasang
- 9 – Pekerjaan asas

- ii. Mulai data STB 2016, pekerjaan dikelaskan mengikut **MASCO 2013** yang masih lagi berasaskan ISCO - 08 tetapi ditambahbaik selaras dengan transformasi proses kerja, bidang pengkhususan suatu tugas dan kemahiran yang lebih kompleks dan dinamik. Pengelasan pekerjaan berasaskan MASCO 2013 adalah seperti berikut:

- 1 – Pengurus
- 2 – Profesional
- 3 – Juruteknik dan profesional bersekutu
- 4 – Pekerja sokongan perkeranian
- 5 – Pekerja perkhidmatan dan jualan
- 6 – Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan
- 7 – Pekerja kemahiran dan pekerja pertukangan yang berkaitan
- 8 – Operator mesin dan loji, dan pemasang
- 9 – Pekerja asas

- iii. Bagi seseorang yang mempunyai lebih daripada satu pekerjaan, hanya **pekerjaan yang mengambil masa terbanyak** semasa tempoh rujukan dianggap sebagai **pekerjaan utamanya**. Jika masa bekerja bagi tiap-tiap pekerjaan itu sama, maka pekerjaan yang menghasilkan pendapatan tertinggi adalah pekerjaan utamanya. Dalam kes di mana bilangan jam bekerja dan pendapatannya adalah sama bagi setiap pekerjaan, pekerjaan di mana dia telah bekerja paling lama dianggap sebagai pekerjaan utamanya.

11.13 Industri

- i. Industri dikelaskan mengikut **Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 versi 1.0** berasaskan *International Standard Industrial Classification of All Economic Activities (ISIC) Revision 4*.
- ii. Pengelasan industri seseorang merujuk kepada yang berkaitan dengan pekerjaan utamanya.
- iii. STB tidak mengelaskan aktiviti pengeluaran barangan dan perkhidmatan sara hidup untuk kegunaan isi rumah sendiri sebagai penduduk yang aktif dalam ekonomi. Oleh itu, klasifikasi MSIC 2008 bagi industri **Aktiviti isi rumah sebagai majikan; aktiviti mengeluarkan barangan dan perkhidmatan yang tidak dapat dibezakan oleh isi rumah untuk kegunaan sendiri** hanya mengambil kira **Aktiviti isi rumah sebagai majikan**.

- iv. Sektor dalam ringkasan penemuan di muka surat 8 merupakan klasifikasi semula industri seperti berikut:

Sektor	MSIC 2008
Pertanian	Pertanian, perhutanan dan perikanan
Perlombongan & pengkuarian	Perlombongan dan pengkuarian
Pembuatan	Pembuatan
Pembinaan	Pembinaan
Perkhidmatan	Bekalan elektrik, gas, wap dan pendingin udara
	Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan
	Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal
	Pengangkutan dan penyimpanan
	Penginapan dan aktiviti Perkhidmatan makanan dan minuman
	Maklumat dan komunikasi
	Aktiviti kewangan dan insurans/takaful
	Aktiviti hartanah
	Aktiviti professional, saintifik dan teknikal
	Aktiviti pentadbiran dan khidmat sokongan
	Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib
	Pendidikan
	Aktiviti kesihatan kemanusiaan dan kerja sosial
	Kesenian, hiburan dan rekreasi
	Aktiviti perkhidmatan lain
	Aktiviti isi rumah sebagai majikan
	Aktiviti badan dan pertubuhan luar wilayah

11.14 Kadar penyertaan tenaga buruh

Aktiviti ekonomi penduduk pada keseluruhannya bergantung kepada ciri-ciri demografi sesuatu populasi. Dengan itu, pecahan mereka yang aktif secara ekonomi berbeza di antara kumpulan-kumpulan kecil penduduk tersebut. Perbezaan ini diukur dengan kadar aktiviti tertentu yang dikenali sebagai **kadar penyertaan tenaga buruh**.

Kadar penyertaan tenaga buruh ditakrifkan sebagai perkadaran penduduk dalam tenaga buruh kepada penduduk dalam umur bekerja (15 - 64 tahun) dalam bentuk peratusan. Formulanya adalah seperti berikut:

$$\text{Kadar penyertaan tenaga buruh} = \frac{\text{Bilangan penduduk dalam tenaga buruh}}{\text{Bilangan penduduk umur bekerja (15 - 64 tahun)}} \times 100$$

11.15 Kadar pengangguran

Kadar pengangguran ialah perkadaran penduduk yang menganggur kepada jumlah penduduk di dalam tenaga buruh. Kadar ini mengukur peratus penduduk di dalam tenaga buruh yang tidak bekerja. Kadar pengangguran dikira menggunakan formula berikut:

$$\text{Kadar pengangguran} = \frac{\text{Bilangan penganggur}}{\text{Bilangan penduduk dalam tenaga buruh}} \times 100$$

11.16 Nisbah guna tenaga kepada penduduk

Nisbah guna tenaga kepada penduduk adalah perkadaran penduduk yang bekerja kepada jumlah penduduk dalam kumpulan umur bekerja. Nisbah yang tinggi menunjukkan perkadaran penduduk bekerja yang tinggi bagi negara manakala nisbah yang rendah menunjukkan sebahagian besar daripada penduduk tidak terlibat secara langsung dalam aktiviti pasaran kerana menganggur atau berada di luar tenaga buruh. Formulanya adalah seperti berikut:

$$\text{Nisbah guna tenaga kepada penduduk} = \frac{\text{Bilangan penduduk bekerja}}{\text{Bilangan penduduk umur bekerja (15 - 64 tahun)}} \times 100$$

12. KEBOLEHPERCAYAAN STATISTIK

Statistik yang dijana berdasarkan survei yang dijalankan secara sampel berkebarangkalian ini tertakluk kepada dua jenis ralat iaitu ralat pensampelan dan ralat bukan pensampelan.

i. Ralat pensampelan

Ralat pensampelan berpunca daripada anggaran data berasaskan survei sampel berkebarangkalian berbanding populasi. Ralat ini boleh diukur dengan menggunakan **Ralat Piawai Relatif (Relative Standard Error [RSE])** dan dinyatakan dalam bentuk peratusan. Ia digunakan sebagai penunjuk kepada kepersisan anggaran parameter yang dikaji. Ini memberi gambaran tahap variasi pembolehubah yang dianggarkan melalui survei berbanding dengan parameter populasi.

Anggaran ralat pensampelan telah dikira secara berasingan untuk beberapa pembolehubah penting bagi peringkat nasional dan negeri seperti di Jadual S1 hingga S3. Sebagai contoh, berasaskan STB 2023, kadar penyertaan tenaga buruh Malaysia ialah 70.0 peratus, dengan RSE 0.15 peratus, iaitu ralat piawai (Standard Error) ialah 0.22 peratus. Pada 95 peratus selang keyakinan ($\alpha = 0.05$), kadar penyertaan tenaga buruh berada di antara 69.8 - 70.4 peratus.

ii. **Ralat bukan pensampelan**

Ralat ini boleh berpunca daripada liputan survei yang tidak lengkap, kelemahan rangka, ralat maklum balas, tiada respons dan kesilapan semasa prosesan sama ada di peringkat penyuntingan, pengekodan atau tangkapan data. Bagi memastikan kualiti data berada pada tahap yang tinggi, beberapa langkah pentadbiran telah diambil supaya ralat bukan pensampelan adalah di tahap minimum. Antaranya adalah melalui latihan intensif kepada penyelia dan penemuramah. Selain itu, penyeliaan yang rapi dan semakan kualiti secara rawak dijalankan ke atas isi rumah yang diliputi untuk memastikan kesahihan maklum balas yang dicatatkan.

Bagi mengatasi kes tiada respons yang berpunca daripada beberapa sebab seperti TK kosong, tiada penghuni di rumah, enggan kerjasama atau TK tidak layak diliputi dalam survei, maka penganggaran saiz sampel survei ini telah mengambil kira semua kemungkinan tersebut.

Pengemaskinian rangka pensampelan yang dilaksanakan dari semasa ke semasa telah dapat mengurangkan kadar tiada respons yang berpunca daripada TK kosong. Publisiti yang meluas dilaksanakan melalui media elektronik serta media cetak bagi mengurangkan kes tiada penghuni di rumah dan enggan kerjasama.

Di peringkat prosesan data, semakan konsistensi bagi setiap pembolehubah dan proses validasi telah dilaksanakan secara sistematik bagi meminimumkan kesemua jenis ralat bukan pensampelan.

13. **PERSEMBAHAN STATISTIK**

13.1 Statistik di dalam laporan ini dipersembahkan pada peringkat nasional dan negeri. Statistik di peringkat nasional meliputi tajuk berikut:

- i. kadar penyertaan tenaga buruh;
- ii. tenaga buruh;
- iii. nisbah guna tenaga kepada penduduk
- iv. penduduk bekerja;
- v. kadar pengangguran;
- vi. pengangguran; dan
- vii. penduduk luar tenaga buruh.

Statistik peringkat negeri yang disusun dalam laporan ini terdiri daripada tiga belas buah negeri dan tiga Wilayah Persekutuan meliputi tajuk berikut:

- i. kadar penyertaan tenaga buruh;
- ii. tenaga buruh;
- iii. nisbah guna tenaga kepada penduduk; dan
- iv. penduduk bekerja.

- 13.2 Siri masa 1982 - 2023 memaparkan statistik utama tenaga buruh. Tiada data bagi tahun 1991 dan 1994 kerana STB tidak dilaksanakan pada tahun berkenaan. Manakala, siri masa 2013 - 2023 memaparkan statistik KPTB, tenaga buruh dan penduduk bekerja mengikut ciri-ciri demografi dan sosioekonomi terpilih.

14. PEMBUNDARAN ANGGARAN

Hasil tambah bagi sesuatu kategori mungkin tidak sentiasa sama dengan jumlah yang ditunjukkan dalam jadual yang berkaitan kerana pembundaran secara bebas kepada satu titik perpuluhan. Walau bagaimanapun, perbezaan ini tidak ketara.

15. STATISTIK GUNA TENAGA

Statistik yang dilaporkan dalam penerbitan ini adalah berasaskan STB 2023. Ringkasan statistik bulanan juga diterbitkan dalam Laporan Statistik Tenaga Buruh Bulanan. Statistik guna tenaga dari aspek permintaan juga boleh diperoleh daripada survei ekonomi. Walau bagaimanapun, konsep, definisi dan metodologi survei yang digunakan adalah berbeza berbanding STB.

16. NOTA DAN SIMBOL

- Kosong/ tiada kes
- 0.0 Kurang daripada setengah unit terkecil yang ditunjukkan. Misalnya, kurang daripada 0.05 peratus.
- W.P. Wilayah Persekutuan
- r Semakan semula berdasarkan anggaran semasa penduduk daripada Banci Penduduk dan Perumahan 2020

TECHNICAL NOTES

1. INTRODUCTION

- 1.1 *The statistics published in this report is based on Labour Force Survey (LFS) conducted by Department of Statistics, Malaysia. The implementation of LFS is based on guidelines and recommendations of the **International Labour Organization (ILO) with reference to the Surveys of Economically Active Population, Employment, Unemployment and Underemployment: An ILO Manual on Concepts and Methods.***
- 1.2 *The survey which is carried out every month provided statistics of labour force, employment and unemployment at the national and state levels as well as urban and rural areas. The comprehensive and systematic approach in data collection and processing has been maintained over a period of time in order to obtain comparable time series statistics.*
- 1.3 *The information obtained from LFS is gathered under the provisions of the **Statistics Act 1965 (Revised 1989). Section 6** of this Act requires any individuals to provide actual information or best estimates to DOSM. Meanwhile, **Section 7** of this Act allows respondents whom refuse to cooperate in the undertaking of the survey to be penalised. The Act stipulated that the detailed information gathered is confidential and only aggregated figures are published.*
- 1.4 *This technical note comprises of detailed explanation on concepts, definition and methodology used to conduct LFS to assist users to better understand labour market information obtained via household approach.*

2. OBJECTIVES OF THE SURVEY

- 2.1 *The main objectives of LFS are:*
 - i. *to collect information on the structure and distribution of labour force, employment and unemployment; and*
 - ii. *to provide the latest statistics in relation to labour market situation from the perspective of labour supply.*
- 2.2 *The statistics from this survey is utilised especially by the Government as an input in planning national developments strategies; as well as by economists, academicians, private sector and individuals for the purpose of research and analysis.*

3. METHOD OF DATA COLLECTION

- 3.1 *LFS uses the personal interview method. During the survey period, trained interviewers visit households in selected living quarters (LQs) to collect demographic information on all household members and labour force particulars of household members aged 15 years and over.*

3.2 *Field checks are undertaken to identify and correct any possibility of errors or omissions at the time when the survey is conducted. In addition to this, selected households are interviewed again to check the quality of data collection operation.*

3.3 *25 per cent repeated panels were interviewed via Computer-Assisted Telephone Interviewing (CATI) .*

4. QUESTIONNAIRE

4.1 *The survey questionnaire is designed to collect the relevant information on social and demographic characteristics of the survey population and detailed information on economic characteristics of the labour force.*

4.2 *All household members will be asked the following information:*

- i. relationship to the head of household;*
- ii. sex;*
- iii. age;*
- iv. ethnic and citizenship;*
- v. marital status; and*
- vi. educational attainment.*

4.3 *For those aged 15 years and over, their **activity status** either employed, unemployed or outside labour force will be determined.*

4.3.1 *Information collected from those who are employed include whether they had been working or not during the reference week, the number of hours worked, occupation, industry and status in employment. If they have worked less than 30 hours per week, reasons and willingness to accept additional work is also obtained. If they have not been working during the reference week but have a job to return to, the reasons for not working will be asked.*

4.3.2 *The following questions will be asked to household members who are unemployed:*

- i. action taken to look for work;*
- ii. work experience; and*
- iii. duration of unemployment.*

4.3.3 *Household members who are classified as outside labour force will be asked to state the reasons for not seeking work and whether or not they have any working experience.*

5. REFERENCE PERIOD

*The reference period of the survey refers to **seven days (week)** preceding the commencement date of the interviews which are 1 - 7, 8 - 14 and 15 - 21 of the respective month.*

6. SCOPE AND COVERAGE

- 6.1 The LFS covers both urban and rural areas for all administrative districts within all states in Malaysia.
- 6.2 The survey population is defined to cover persons who live in private LQs; hence **excludes** persons residing in institutional LQs such as hotels, hostels, hospitals, prisons, boarding houses, and workers residing in construction work site.
- 6.3 Although the LFS did not cover the institutional population, no attempt was made to adjust for the exclusion of the population living in institutional LQs from the independent mid-year post census population estimates. Based on the 2010 Population and Housing Census, those living in institutional LQs was less than four per cent of the total population. This percentage was small and did not affect the estimates of labour force statistics.
- 6.4 This survey comprises the economically active and inactive population between the age of **15 to 64 years** . The economically active population are those who are either employed or unemployed while those who are inactive are classified as outside labour force.

7. SAMPLING FRAME

- 7.1 The frame used for the selection of sample for LFS 2023 is based on the Household Sampling Frame which is made up of enumeration blocks (EBs) created for the 2020 Population and Housing Census and was updated from time to time.
- 7.2 EBs are geographically contiguous areas of land with identifiable boundaries created for survey operation purposes, which on average contains about 80 to 120 LQs. All EBs are formed within gazetted boundaries, i.e. within administrative districts, mukim or local authority areas.
- 7.3 The EBs in the sampling frame are also classified into urban and rural areas .
- i. **Urban areas**
Gazetted areas with their adjoining built-up areas with combined population of 10,000 or more at the time of the 2020 Population and Housing Census.
- **Built-up areas**
Areas contiguous to a gazetted area with at least 60 per cent of the population (aged 15 years and over) engaged in non-agricultural activities.

The definition of urban areas also takes into account the special development area namely the development area which is not gazetted and can be identified and separated from the gazetted area or built-up area of more than 5km with population of at least 10,000 persons where 60 per cent of the population (aged 15 years and over) were involved in non-agricultural activities.

ii. **Rural areas**

All other gazetted areas with population of less than 10,000 persons and non-gazetted areas.

7.4 Urbanisation is a dynamic process and keeps changing in line with progress and development. Thus, the urban areas for the Population and Housing Census 2000 and 2010 do not necessarily refer to the same areas, as areas fulfilling the criteria of urban continue to increase or grow with time.

7.5 The classification of area by strata is as follows:

Strata	Population of gazetted, adjoining built-up areas and special development area
(i) Metropolitan	75,000 and above
(ii) Urban large	10,000 to 74,999
(iii) Urban small	1,000 to 9,999
(iv) Rural	All other areas

7.6 For sampling purposes, classification of area as stated in item 7.5 is used for all states and federal territories. For Sabah and Sarawak, due to inaccessibility, the rural strata had to be further stratified based on the time taken to reach the area from the nearest urban centre.

7.7 For purposes of tabulation, the strata were combined as follows:

Urban = Metropolitan + Urban large
Rural = Urban small + All rural

8. **SAMPLE DESIGN**

8.1 A two-staged stratified sampling design is adopted. The level of stratification is as follows:

Primary strata	Covered all state in Malaysia
Secondary strata	Covered all administrative districts by state in Malaysia
Tertiary strata	Covered urban and rural strata

8.2 The selections of samples have been done EBs level using Systematic Random Sampling Method. Then, sample for LQs were selected from the selected EBs by using systematic method that generate random number and interval class to ensure every LQs have an equal probability to be selected as a sample. This procedure is performed systematically and scientifically to produce unbiased sample and can represent the entire population of households in Malaysia.

9. SAMPLE SIZE

9.1 The sample size for this survey is required to represent overall population at the fixed level of analysis. This sample size has accounted for the following elements:

- i. level of sampling design;
- ii. labour force participation rate;
- iii. the desired error; and
- iv. response rates.

Factors that are taken into consideration to finalise the sample size are cost, time and human resources.

9.2 The distribution of sample size for the 2023 LFS are as follows:

State	Number of selected EBs	Number of selected LQs
Johor	1,164	9,312
Kedah	1,020	8,160
Kelantan	792	6,336
Melaka	468	3,744
Negeri Sembilan	732	5,856
Pahang	936	7,488
Pulau Pinang	660	5,280
Perak	1,080	8,640
Perlis	276	2,208
Selangor	1,140	9,120
Terengganu	684	5,472
Sabah	1,452	11,616
Sarawak	1,500	12,000
W.P. Kuala Lumpur	456	3,648
W.P. Labuan	132	1,056
W.P. Putrajaya	156	1,248
Malaysia	12,648	101,184

10. ESTIMATION PROCEDURES

10.1 Current population estimates by age group, sex, citizenship, ethnicity and state were used as the benchmark to produce labour statistics through **combined ratio estimated method** which are adjusted weight and population factor.

i. **Adjusted weight**

Adjusted weight is used to take into account the non-response cases.

ii. **Population factor**

In multi-stage sampling design, the sample size is a random variable and aggregates directly estimated from the survey can have large sampling errors. External weight is used to minimise sampling error. The external weight used in Labour Force Survey is the population factor. The population factor is obtained through up-to-date estimates of population totals which is used to inflate the various rates and ratios estimated from the survey.

10.2 Two types of population statistics produced by DOSM are:

i. **population projection** to indicate the size and structure of the population in the long term based on certain assumption on the trend of fertility, mortality and migration. These statistics are used as input to formulate future plans and policies.

ii. **current population estimates** to illustrate the size of the current population and is prepared annually based on the recent data on birth, death and migration.

10.3 Starting with the 2023 LFS, the labour force statistics were estimated based on the current population estimates from the recent Population and Housing Census of 2020. Therefore, the data series for 2020 - 2022 was revised based on the latest current population estimates.

11. CONCEPTS AND DEFINITIONS

11.1 The working age limit for a country is determined based on the age structure of the economically active population of the country. Working age for the analysis of LFS in Malaysia refers to household members between the age of **15 to 64 years** during the reference week, who are either in the labour force or outside the labour force .

11.2 The LFS uses the **actual status** approach, where a person is classified on the basis of labour force activity during the reference week. The activity status is categorised as follows:

i. **Labour force**

All persons in the working age who are either employed or unemployed.

ii. **Employed**

All persons who, at any time during the reference week worked at least one hour for

pay, profit or family gain either as an employer, employee, own-account worker or unpaid family worker. They are also considered as employed if they:

- a. did not work during the reference week because of illness, injury, disability, bad weather, leave, labour dispute and social or religious reasons but had a job, farm, enterprise or other family enterprise to return to.
- b. were temporary laid-off with pay and would definitely be called back to work.
- c. were employed **less than 30 hours** during the reference week because of the nature of their work or due to insufficient work and are able and willing to accept additional hours of work. This group is **underemployed**.
- d. were employed in the **underemployment** category:
 - **time-related underemployment** were a group of people who employed less than 30 hours during the reference week because of the nature of their work or due to insufficient work and are able and willing to accept additional hours of work.
 - **skill-related underemployment** were those with tertiary education and working in the semi-skilled and low-skilled category.

Persons who were employed **more than 30 hours** during the reference week are considered to be in **full employment**.

iii. **Unemployed**

All persons who did not work during the reference week and are classified into two groups that are actively unemployed and inactively unemployed.

The **actively unemployed** include all persons who were available for work and were actively looking for work during the reference week.

Inactively unemployed persons include those in the following categories:

- a. did not look for work because they believed no work was available or that they were not qualified;
- b. would have looked for work if they had not been temporarily ill or had it not been for weather condition; and
- c. had looked for work prior to the reference week and were waiting for result of job applications.

iv. **Outside labour force**

All persons not classified as employed or unemployed are classified as outside labour force. This category consists of housewives, students (including those going for further studies), retirees, disabled person and those not interested in looking for jobs.

11.3 **Hours worked**

Refers to total number of hours worked during the reference period.

11.4 **Living quarters**

Living quarters is defined as any separate and independent structures which is constructed and intended as place of abode.

i. **Separate**

A structure is considered separate if it is surrounded by walls, fence, etc. and is covered by roof.

ii. **Independent**

A structure is independent if it has direct access via public path, communal passageway or space (that is occupants can come in or go out of their living quarters without passing through others' premises).

11.5 **Household**

A person or group of people whether related or unrelated who usually live together in a living quarters and make provision (expenses) for food and other necessities of life together.

11.6 **Ordinary members**

Ordinary members are members who have or will reside in selected residences for a period of at least three months.

11.7 **Ethnic group**

The ethnic group is categorised within Malaysian citizens after separating those who are non-citizens. The classification is as follows:

i. **Malaysian citizens**

- a. *Bumiputera*
- b. *Chinese*
- c. *Indians*
- d. *Others*

ii. **Non-Malaysian citizens**

11.8 **Marital status**

i. **Never married**

Refers to those who have never been married at the time of interview.

ii. **Married**

Refers to persons who are currently married at the time of interview. The term, 'married' includes those married by law or by religious rites or are living together by mutual agreement.

- iii. **Widowed**
Refers to those who have not remarried after the death of the spouses at the time of interview.
- iv. **Divorced/ permanently separated**
Refers to those whose marriages were annulled through divorce by law or religious arrangement or separated for a long duration without any possibility of reconciliation.

11.9 **Educational attainment**

Refers to the highest level in which a person has completed schooling or is currently attending school in a public or private educational institution that provides formal education and is categorised as follows:

- i. **No formal education**
Refers to persons who have never attended school in any of the educational institutions that provide formal education.
- ii. **Primary**
Refers to those whose highest level of education attained is from Standard 1 to 6 or equivalent.
- iii. **Secondary**
Refers to those whose highest level of education attained is from Form 1 to 5 (including remove class), General Certificate of Education (GCE) O Level or equivalent. This includes basic skill programmes in specific trades and technical skills institutions with the training period of at least six months.
- iv. **Tertiary**
Refers to those whose highest level of education is above Form 5.

11.10 **Highest certificate obtained**

*Refers to the highest certificate obtained from public or private educational institution that provides formal education and is adapted from the **International Standard Classification of Education (ISCED - 97)** as follows:*

- i. **UPSR/ UPSRA or equivalent**
Refers to “Ujian Penilaian Sekolah Rendah”/“Ujian Penilaian Sekolah Rendah Agama” or equivalent.
- ii. **PT3/ PMR/ SRP/ LCE/ SRA or equivalent**
Refers to “Pentaksiran Tingkatan 3”, “Penilaian Menengah Rendah”, “Sijil Rendah Pelajaran”, Lower Certificate of Education, “Sijil Rendah Agama” or equivalent.
- iii. **SPM or equivalent**
Refers to “Sijil Pelajaran Malaysia” or equivalent (Senior Cambridge Certificate, GCE O Level and Malaysia Certificate of Vocational Education). This includes basic skill

certificate obtained from specialised technical and skills training institutions whereby the training period is at least six months such as GIATMARA certificate.

iv. **STPM or equivalent**

Refers to “Sijil Tinggi Persekolahan Malaysia”, Higher School Certificate or equivalent (“Sijil Tinggi Agama” and GCE A Level).

v. **Certificate**

Refers to certificate obtained from college, polytechnic or other institutions which offers formal education. Duration of certification should not be less than six months.

vi. **Diploma**

Refers to diploma or equivalent certificate obtained after category iii, iv or v from university, college or polytechnic prior to a degree qualification.

vii. **Degree**

Refers to degree (Bachelor, Masters or Ph.D) obtained from public or private higher institution or equivalent.

viii. **No certificate**

Refers to those who are currently attending school or who have completed schooling without receiving any certificate.

ix. **Not applicable**

Refers to those who have no formal education.

11.11 **Status of employment**

*Refers to the **position or status** of an employed person within the establishment or organisation for which he/she worked and is adapted based on the **International Classification of Status in Employment (ICSE - 93)**. Employed persons are classified according to the following employment status:*

i. **Employer**

A person who operates a business, a plantation or other trade and employs one or more workers to help him.

ii. **Employee**

A person who works for a public or private employer and receives regular remuneration in wages, salary, commission, tips or payment in kind.

iii. **Own account worker**

A person who operates his own farm, business or trade without employing any paid workers in the conduct of his farm, trade or business.

iv. **Unpaid family worker**

A person who works without pay or wages on a farm, business or trade operated by

another member of the family.

11.12 Occupation

- i. Occupation data of LFS 2011–2015 is classified according to **Malaysia Standard Classification of Occupations (MASCO) 2008** based on the **International Standard Classification of Occupations (ISCO - 08)** as follows:
 - 1 – Managers
 - 2 – Professionals
 - 3 – Technicians and associate professionals
 - 4 – Clerical support workers
 - 5 – Service and sales workers
 - 6 – Skilled agricultural, forestry and fishery workers
 - 7 – Craft and related trades workers
 - 8 – Plant and machine-operators and assemblers
 - 9 – Elementary occupations
- ii. Starting with LFS 2016, occupation is classified according to **MASCO 2013** which was also based on the ISCO–08 but was improved in line with the transformation of work process and areas of specialisation as well as the complexity and dynamics in skills and tasks. The classification of occupation based on MASCO 2013 is as follows:
 - 1 – Managers
 - 2 – Professionals
 - 3 – Technicians and associate professionals
 - 4 – Clerical support workers
 - 5 – Service and sales workers
 - 6 – Skilled agricultural, forestry, livestock and fishery workers
 - 7 – Craft and related trades workers
 - 8 – Plant and machine-operators and assemblers
 - 9 – Elementary occupations
- iii. For a person having more than one job, only the job at which he worked for the **longest number of hours** during the reference week is treated as his **principal occupation**. Should the number of hours worked for each job is the same, then the job with the highest income is the principal occupation. In cases where the number of hours worked and the income earned from each job are the same, the job at which he was **working for the longest period of time** is considered as the **principal occupation**.

11.13 Industry

- i. Industry is classified according to the **Malaysia Standard Industrial Classification (MSIC) 2008 version 1.0** based on the **International Standard Industrial Classification of All Economic Activities (ISIC) Revision 4**.
- ii. A person's industry classification refers to the industry of his principal occupation.
- iii. LFS does not classify the subsistence goods-and services-producing activities of

households as persons who are economically active. Therefore, the classification of industry by MSIC 2008 for Activities of households as employers; undifferentiated goods-and services-producing activities of households for own use only accounted for Activities of households as employers.

- iv. Sectors for the summary of findings and page 18 are the reclassification of industry as follows:

Sector	MSIC 2008
Agriculture	<i>Agriculture, forestry and fishing</i>
Mining & quarrying	<i>Mining and quarrying</i>
Manufacturing	<i>Manufacturing</i>
Construction	<i>Construction</i>
Services	<i>Electricity, gas, steam and air conditioning supply</i>
	<i>Water supply; sewerage, waste management and remediation activities</i>
	<i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>
	<i>Transportation and storage</i>
	<i>Accommodation and food and beverage service activities</i>
	<i>Information and communication</i>
	<i>Financial and insurance/takaful activities</i>
	<i>Real estate activities</i>
	<i>Professional, scientific and technical activities</i>
	<i>Administrative and support services activities</i>
	<i>Public administration and defence; compulsory social security</i>
	<i>Education</i>
	<i>Human health and social work activities</i>
	<i>Arts, entertainment and recreation</i>
	<i>Other service activities</i>
	<i>Activities of households as employers</i>
	<i>Activities of extraterritorial organization and bodies</i>

11.14 Labour force participation rate

The economic activity of a population depends on the demographic characteristics of that population. Therefore, the proportion of economically active persons differs between sub-groups of that population. These variations are measured by specific activity rates termed labour force participation rate.

Labour force participation rate is defined as the ratio of the labour force to the working age population (15 - 64 years), expressed as percentage. The formula is as follow:

$$\text{Labour force participation rate} = \frac{\text{Number of persons in the labour force}}{\text{Number of persons in the working age (15 - 64 years)}} \times 100$$

11.15 Unemployment rate

Unemployment rate is the proportion of unemployed population to the total population in labour force. This rate measures the percentage of unemployed population in labour force. Unemployment rate is computed by using the formula below:

$$\text{Unemployment rate} = \frac{\text{Number of unemployed persons}}{\text{Number of persons in the labour force}} \times 100$$

11.16 Employment to population ratio

The employment to population ratio is defined as the proportion of employed population to working-age population. A high ratio means that a large proportion of the country's population is employed while a low ratio means that a large share of the population is not involved directly in market-related activities due to being unemployed or out of the labour force. The formula is as follow:

$$\text{Employment to population ratio} = \frac{\text{Number of employed persons}}{\text{Number of persons in the working age (15 - 64 years)}} \times 100$$

12. RELIABILITY OF STATISTICS

The statistics generated based on survey conducted with probability sampling are subjected to two types of errors namely sampling error and non-sampling errors.

i. Sampling error

Sampling error is a result of estimating data based on probability sampling survey compared to the population. Such error in statistics is termed as Relative Standard Error (RSE) and is expressed in percentage. This error is an indication to the precision of the parameter under study. In other words, it reflects the extent of variation of sample-based estimates compared to the parameter of population.

Sampling errors of estimates on a few important variables at national and state levels are calculated separately as shown in the Tables S1 to S3. For instance based on LFS 2023 the labour force participation rate for Malaysia was 70.0 per cent with an RSE of 0.15 per cent and Standard Error (SE) of 0.22 per cent. At 95 per cent confidence interval ($\alpha = 0.05$), the labour force participation rate was in the range of 69.8 - 70.4 per cent.

ii. **Non-sampling error**

The error may rise through incomplete survey coverage, weaknesses in the frame, response errors, non-response errors and also errors during processing either through editing, coding or data capture. To ensure that data is of high quality, several administrative procedures were taken to minimise non-sampling errors. Intensive training was conducted for the supervisors and enumerators. In addition, close supervision and random checks were carried out on households covered by the enumerators to ensure the validity of the recorded information.

In order to resolve the case of non-response error due to several reasons such as vacant house, 'no one at home', refusal to co-operate or unqualified LQ, the sample size estimation for this survey has taken into account all those possibilities.

The survey frame is updated regularly to overcome the problem of non-response due to vacant home. Publicity was carried out widely through electronic and printed media to minimise the case of 'no one at home' and refusal to cooperate.

In addition, at the data processing stage, consistency checking and validation process has been systematically implemented for each variable in order to minimise the non-sampling error.

13. PRESENTATION OF STATISTICS

13.1 The statistics in this report are presented at the national and state level. National level statistics comprises the following topics:

- i. labour force participation rate;
- ii. labour force;
- iii. employment to population ratio;
- iv. employed persons;
- v. unemployment rate;
- vi. unemployment; and
- vii. population outside labour force.

The statistics at state level compiled in this report consists of thirteen states and three federal territories and are presented as follows:

- i. labour force participation rate;
- ii. labour force;
- iii. employment to population ratio; and
- iv. employed persons.

3.2 The time series for 1982 - 2023 presented the principal labour force statistics. There is no data for 1991 and 1994 since LFS was not conducted for those years. Meanwhile, time series for 2013 - 2023 presented statistics on LFPR, labour force and employed persons by selected demographic and socioeconomic characteristics.

14. ROUNDING OF ESTIMATES

The sum of each category may not always equal to the totals shown in related tables because of independent rounding to one decimal place. However, the differences are not obvious.

15. EMPLOYMENT STATISTICS

The statistics published in this report are based on LFS 2023. Summary of the monthly statistics are also published in the Monthly Labour Force Statistics Report. The employment statistics from the demand side is also available from economic surveys. However, the concept, definitions and survey methodology used are different compared to LFS.

16. NOTES AND SYMBOLS

- Nil/ no cases
- 0.0 Less than half the smallest unit shown. For example, less than 0.05 per cent.
- W.P. Wilayah Persekutuan
- r Revision based on the current population estimates from Housing and Population Census 2020



JADUAL RALAT PIAWAIAAN RELATIF

RELATIVE STANDARD ERROR TABLES

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2023

Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2023

Negeri dan strata State and strata	Kadar penyertaan tenaga buruh Labour force participation rate (%)	Ralat piawai bagi anggaran Standard error of estimates		Kadar penyertaan tenaga buruh pada 95% selang keyakinan Labour force participation rate at 95% confidence interval (%)		
		Nilai relatif Relative value (%)	Ralat piawai Standard error (%)			
MALAYSIA						
Jumlah Total	70.0	0.15	0.22	69.75	–	70.35
Bandar Urban	71.1	0.18	0.18	70.73	–	71.43
Luar bandar Rural	65.5	0.25	0.25	65.07	–	66.03
Johor						
Jumlah Total	71.3	0.45	0.64	70.41	–	72.19
Bandar Urban	71.4	0.52	0.73	70.39	–	72.42
Luar bandar Rural	70.8	0.90	1.27	69.09	–	72.60
Kedah						
Jumlah Total	65.3	0.47	0.72	64.34	–	66.17
Bandar Urban	66.5	0.56	0.84	65.41	–	67.61
Luar bandar Rural	61.1	0.76	1.25	59.60	–	62.59
Kelantan						
Jumlah Total	57.3	0.50	0.88	56.34	–	58.32
Bandar Urban	60.5	0.74	1.22	59.04	–	61.92
Luar bandar Rural	53.3	0.66	1.25	52.03	–	54.64

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2023 (samb.)

Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2023 (cont'd)

Negeri dan strata State and strata	Kadar penyertaan tenaga buruh Labour force participation rate (%)	Ralat piawai bagi anggaran Standard error of estimates		Kadar penyertaan tenaga buruh pada 95% selang keyakinan Labour force participation rate at 95% confidence interval (%)		
		Nilai relatif Relative value (%)	Ralat piawai Standard error (%)			
Melaka						
Jumlah Total	70.1	0.89	1.27	68.32	–	71.80
Bandar Urban	70.2	0.91	1.29	68.40	–	71.95
Luar bandar Rural	67.0	3.93	5.87	59.30	–	74.72
Negeri Sembilan						
Jumlah Total	66.1	0.65	0.99	64.86	–	67.43
Bandar Urban	67.2	0.77	1.15	65.65	–	68.68
Luar bandar Rural	62.0	1.07	1.73	59.93	–	64.13
Pahang						
Jumlah Total	65.1	0.48	0.74	64.21	–	66.08
Bandar Urban	65.3	0.58	0.89	64.19	–	66.47
Luar bandar Rural	64.8	0.84	1.29	63.18	–	66.47
Pulau Pinang						
Jumlah Total	71.3	0.60	0.84	70.11	–	72.46
Bandar Urban	71.7	0.62	0.86	70.46	–	72.89
Luar bandar Rural	59.9	1.36	2.26	57.27	–	62.58

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2023 (samb.)

Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2023 (cont'd)

Negeri dan strata State and strata	Kadar penyertaan tenaga buruh Labour force participation rate (%)	Ralat piawai bagi anggaran Standard error of estimates		Kadar penyertaan tenaga buruh pada 95% selang keyakinan Labour force participation rate at 95% confidence interval (%)		
		Nilai relatif Relative value (%)	Ralat piawai Standard error (%)			
Perak						
Jumlah Total	66.0	0.50	0.76	64.98	—	66.95
Bandar Urban	66.1	0.58	0.88	64.96	—	67.25
Luar bandar Rural	65.3	0.88	1.35	63.57	—	67.04
Perlis						
Jumlah Total	61.7	0.88	1.42	59.96	—	63.40
Bandar Urban	62.7	1.11	1.76	60.54	—	64.87
Luar bandar Rural	59.0	1.31	2.23	56.44	—	61.60
Selangor						
Jumlah Total	77.4	0.40	0.52	76.64	—	78.21
Bandar Urban	77.6	0.42	0.54	76.81	—	78.46
Luar bandar Rural	73.4	1.04	1.42	71.35	—	75.44
Terengganu						
Jumlah Total	60.0	0.53	0.88	58.93	—	61.00
Bandar Urban	60.9	0.64	1.05	59.67	—	62.17
Luar bandar Rural	57.6	0.95	1.65	55.73	—	59.44

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2023 (samb.)

Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2023 (cont'd)

Negeri dan strata State and strata	Kadar penyertaan tenaga buruh Labour force participation rate (%)	Ralat piawai bagi anggaran Standard error of estimates		Kadar penyertaan tenaga buruh pada 95% selang keyakinan Labour force participation rate at 95% confidence interval (%)		
		Nilai relatif Relative value (%)	Ralat piawai Standard error (%)			
Sabah						
Jumlah Total	70.1	0.46	0.66	69.21	–	71.01
Bandar Urban	69.2	0.64	0.93	67.91	–	70.43
Luar bandar Rural	71.9	0.53	0.74	70.88	–	72.97
Sarawak						
Jumlah Total	69.0	0.42	0.60	68.16	–	69.80
Bandar Urban	69.8	0.58	0.83	68.68	–	70.96
Luar bandar Rural	67.4	0.50	0.74	66.41	–	68.36
W. P. Kuala Lumpur						
Jumlah Total	74.2	0.73	0.98	72.75	–	75.59
Bandar Urban	74.2	0.73	0.98	72.75	–	75.59
Luar bandar Rural	n.a	n.a	n.a	n.a	–	n.a
W. P. Labuan						
Jumlah Total	67.9	1.50	2.21	64.93	–	70.82
Bandar Urban	68.3	1.69	2.47	65.00	–	71.61
Luar bandar Rural	64.9	2.58	3.98	59.88	–	70.00

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2023 (samb.)
 Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2023 (cont'd)

Negeri dan strata State and strata	Kadar penyertaan tenaga buruh Labour force participation rate (%)	Ralat piawai bagi anggaran Standard error of estimates		Kadar penyertaan tenaga buruh pada 95% selang keyakinan Labour force participation rate at 95% confidence interval (%)		
		Nilai relatif Relative value (%)	Ralat piawai Standard error (%)			
W. P. Putrajaya						
Jumlah Total	78.6	1.35	1.72	76.00	—	81.30
Bandar Urban	78.6	1.35	1.72	76.00	—	81.30
Luar bandar Rural	n.a	n.a	n.a	n.a	—	n.a

Jadual S2: Ralat piawai relatif bagi anggaran penduduk bekerja mengikut pekerjaan, Malaysia, 2023

Table S2: Relative standard error of estimates for employed persons by occupation, Malaysia, 2023

Pekerjaan <i>Occupation</i>	Bilangan penduduk bekerja <i>Number of employed persons (‘000)</i>	Ralat piawai bagi anggaran <i>Standard error of estimates</i>		Bilangan penduduk bekerja pada 95% selang keyakinan <i>Labour force participation rate at 95% confidence interval (‘000)</i>		
		Nilai relatif <i>Relative value (%)</i>	Ralat piawai <i>Standard error (‘000)</i>			
Pengurus <i>Managers</i>	762.5	13.53	1.77	736.00	–	789.02
Profesional <i>Professionals</i>	2,141.5	23.60	1.10	2,095.28	–	2,187.80
Juruteknik dan profesional bersekutu <i>Technicians and associate professionals</i>	1,906.8	21.81	1.14	1,864.10	–	1,949.58
Pekerja sokongan perkeranian <i>Clerical support workers</i>	1,562.9	19.82	1.27	1,524.01	–	1,601.70
Pekerja perkhidmatan dan jualan <i>Service and sales workers</i>	3,744.0	34.51	0.92	3,676.31	–	3,811.61
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan <i>Skilled agricultural, forestry, livestock and fishery workers</i>	703.1	12.22	1.74	679.13	–	727.04
Pekerja kemahiran dan pekerja pertukangan yang berkaitan <i>Craft and related trades workers</i>	1,402.3	19.27	1.37	1,364.49	–	1,440.02
Operator mesin dan loji, dan pemasang <i>Plant and machine-operators and assemblers</i>	1,634.1	26.97	1.65	1,581.22	–	1,686.96
Pekerja asas <i>Elementary occupations</i>	1,956.2	31.89	1.63	1,893.73	–	2,018.73

Jadual S3: Ralat piawai relatif bagi anggaran penduduk bekerja mengikut industri, Malaysia, 2023

Table S3: Relative standard error of estimates for employed persons by industry, Malaysia, 2023

Industri <i>Industry</i>	Bilangan penduduk bekerja <i>Number of employed persons ('000)</i>	Ralat piawai bagi anggaran <i>Standard error of estimates</i>		Bilangan penduduk bekerja pada 95% selang keyakinan <i>Labour force participation rate at 95% confidence interval ('000)</i>		
		Nilai relatif <i>Relative value (%)</i>	Ralat piawai <i>Standard error ('000)</i>			
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	1,437.4	19.24	1.34	1,399.74	–	1,475.16
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	88.8	5.18	5.83	78.67	–	98.97
Pembuatan <i>Manufacturing</i>	2,597.8	34.62	1.33	2,529.97	–	2,665.70
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	81.5	4.08	5.00	73.52	–	89.49
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	85.5	4.79	5.61	76.08	–	94.86
Pembinaan <i>Construction</i>	1,284.5	22.75	1.77	1,239.94	–	1,329.12
Perdagangan borong dan runcit; pembaikan kenderaan bermotor dan motosikal <i>Wholesale and retail trade; repair of motor vehicles and motorcycles</i>	2,991.5	32.09	1.07	2,928.61	–	3,054.42
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	735.3	13.77	1.87	708.36	–	762.33
Penginapan dan aktiviti perkhidmatan makanan dan minuman <i>Accommodation and food and beverage service activities</i>	1,592.8	24.62	1.55	1,544.56	–	1,641.08
Maklumat dan komunikasi <i>Information and communication</i>	268.1	9.14	3.41	250.19	–	286.00
Aktiviti kewangan dan insurans/takaful <i>Financial and insurance/takaful activities</i>	434.2	11.37	2.62	411.97	–	456.53

Jadual S3: Ralat piawai relatif bagi anggaran penduduk bekerja mengikut industri, Malaysia, 2023

Table S3: Relative standard error of estimates for employed persons by industry, Malaysia, 2023

Industri <i>Industry</i>	Bilangan penduduk bekerja <i>Number of employed persons ('000)</i>	Ralat piawai bagi anggaran <i>Standard error of estimates</i>		Bilangan penduduk bekerja pada 95% selang keyakinan <i>Labour force participation rate at 95% confidence interval ('000)</i>		
		Nilai relatif <i>Relative value (%)</i>	Ralat piawai <i>Standard error ('000)</i>			
Aktiviti hartanah <i>Real estate activities</i>	92.8	5.14	5.54	82.73	–	102.88
Aktiviti profesional, saintifik dan teknikal <i>Professional, scientific and technical activities</i>	390.3	10.48	2.68	369.76	–	410.83
Aktiviti pentadbiran dan khidmat sokongan <i>Administrative and support service activities</i>	886.3	17.42	1.97	852.20	–	920.49
Pentadbiran awam dan pertahanan; aktiviti keselamatan sosial wajib <i>Public administration and defence; compulsory social security</i>	797.1	12.11	1.52	773.33	–	820.81
Pendidikan <i>Education</i>	989.5	14.12	1.43	961.86	–	1,017.21
Aktiviti kesihatan kemanusiaan dan kerja sosial <i>Human health and social work activities</i>	626.4	11.98	1.91	602.88	–	649.85
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	72.5	4.89	6.74	62.95	–	82.12
Aktiviti perkhidmatan lain <i>Other service activities</i>	261.6	8.01	3.06	245.90	–	277.30
Aktiviti isi rumah sebagai majikan <i>Activities of households as employer</i>	96.5	5.85	6.07	85.00	–	107.93

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