



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

LAPORAN SURVEI TENAGA BURUH

LABOUR FORCE SURVEY REPORT

2024



JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA



KEMENTERIAN EKONOMI
MINISTRY OF ECONOMY

LAPORAN SURVEI TENAGA BURUH

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MALAYSIA

2024

Pemakluman

Kepengerusian ASEAN-Malaysia 2025: Jabatan Perangkaan Malaysia (DOSM) akan mempengerusikan Jawatankuasa Sistem Statistik Komuniti ASEAN Ke-15 (ACSS15) yang bertujuan untuk memperkukuh kerjasama statistik ke arah pembangunan serantau yang mampan.

Malaysia buat julung kalinya telah menduduki tangga pertama (1) di peringkat global dalam laporan dwi-tahunan *Open Data Inventory (ODIN)* 2024/25 yang dikeluarkan oleh *Open Data Watch (ODW)*, mengatasi 198 negara lain. Pencapaian ini merupakan lonjakan ketara daripada kedudukan ke-67 dalam penilaian ODIN 2022/23.

Kerajaan Malaysia telah mengisytiharkan 20 Oktober sebagai Hari Statistik Negara (MyStats Day), dengan tema 'Statistik Nadi Kehidupan'. Sementara itu, Hari Statistik Dunia Keempat akan disambut pada 20 Oktober 2025 dengan tema 'Driving Change with Quality Statistics and Data for Everyone'.

OpenDOSM NextGen adalah medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data dan boleh diakses melalui portal <https://open.dosm.gov.my>.

Announcement

ASEAN-Malaysia 2025 Chairmanship: The Department of Statistics Malaysia (DOSM) will chair the 15th ASEAN Community Statistical System Committee (ACSS15) which aims to strengthen the statistical cooperation towards sustainable regional development.

Malaysia, for the first time, ranked as number one (1) globally in the biennial Open Data Inventory (ODIN) 2024/25 report released by Open Data Watch (ODW), surpassing 198 other countries. This achievement marks a significant leap from its 67th position in the ODIN 2022/23 assessment.

The Government of Malaysia has declared October 20th as National Statistics Day (MyStats Day), with the theme 'Statistics is the Essence of Life.' Meanwhile, the Fourth World Statistics Day will be celebrated on 20th October 2025, with the theme 'Driving Change with Quality Statistics and Data for Everyone'.

OpenDOSM NextGen is a medium that provides data catalogue and visualisations to facilitate users' analysis and can be accessed through <https://open.dosm.gov.my>.

Diterbitkan dan dicetak oleh:

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Harga / *Price* : RM 60.00

Diterbitkan pada Jun 2025 / *Published on June 2025*

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“Sumber : Jabatan Perangkaan Malaysia”

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ISSN 0128-0503

KATA PENGANTAR

Laporan Survei Tenaga Buruh, Malaysia, 2024 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 dan definisi bagi 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

Jun 2025

PREFACE

The Labour Force Survey Report, Malaysia, 2024 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 and definitions for 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

June 2025

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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 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 kurang dari 30 jam seminggu	: Penduduk bekerja yang bekerja kurang 30 jam pada minggu rujukan disebabkan keadaan kerja atau kerana kerja yang tidak mencukupi.
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) 2020 iaitu:

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; dan

Berkemahiran rendah - 9. Pekerjaan asas.

GLOSARI

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.
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 berkeupayaan; 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

BP	: Blok Penghitungan
DOSM	: Jabatan Perangkaan Malaysia
E&E	: Elektrik dan Elektronik
F&B	: Makanan dan minuman
FDI	: Pelaburan Langsung Asing
ILO	: <i>International Labour Organization</i>
IMF	: Tabung Kewangan Antarabangsa
IP	: Indeks Pelopor
KDNK	: Keluaran Dalam Negeri Kasar
KPTB	: Kadar Penyertaan Tenaga Buruh
MAHA	: Pameran Pertanian, Hortikultur dan Agropelancongan Malaysia
PMKS	: Perusahaan Mikro, Kecil dan Sederhana
STB	: Survei Tenaga Buruh
TK	: Tempat Kediaman

GLOSSARY

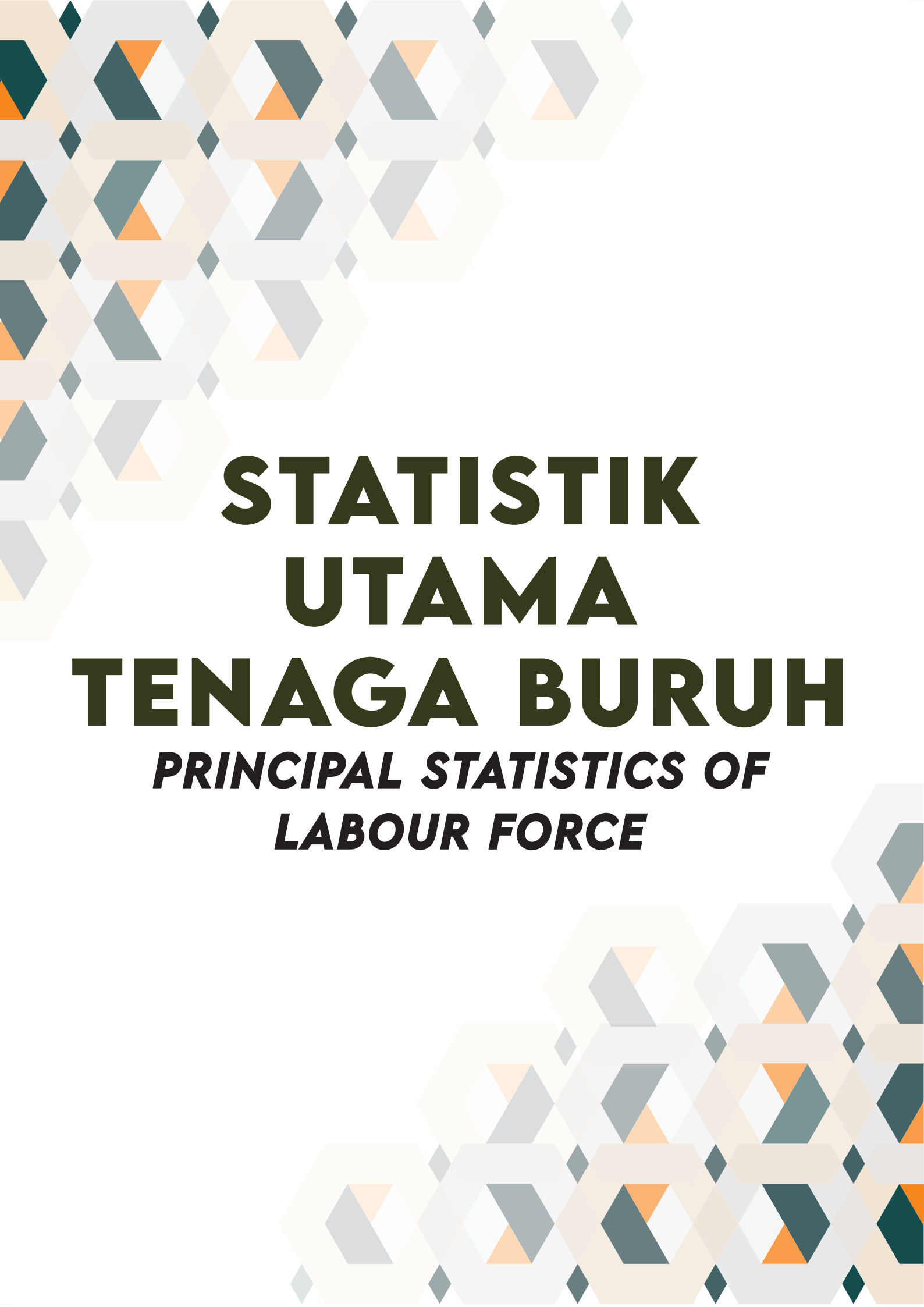
<i>Actively unemployed</i>	: Persons who were available for work and were actively looking for work during the reference week.
<i>Category of skills</i>	: For reporting purpose, the category of occupation is regrouped into three levels of skills based on the Malaysia Standard Classification of Occupation (MASCO) 2020 as follows: Skilled workers - 1. Managers; 2. Professionals; 3. Technicians and associate professionals; Semi-skilled workers - 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; and Low-skilled workers - 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, Services sector is 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.
<i>Working less than 30 hours per week</i>	: Employed persons working less than 30 hours during the reference week because of the nature of their work or due to insufficient work.

ACRONYMS

<i>EB</i>	: <i>Enumeration Block</i>
<i>DOSM</i>	: <i>Department of Statistics Malaysia</i>
<i>E&E</i>	: <i>Electrical and Electronics</i>
<i>F&B</i>	: <i>Food and beverages</i>
<i>FDI</i>	: <i>Foreign Domestic Investment</i>
<i>GDP</i>	: <i>Gross Domestic Product</i>
<i>ILO</i>	: <i>International Labour Organization</i>
<i>IMF</i>	: <i>International Monetary Fund</i>
<i>LI</i>	: <i>Leading Index</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>MAHA</i>	: <i>Malaysia Agriculture, Horticulture, and Agrotourism Exhibition</i>
<i>MSME</i>	: <i>Micro, Small and Medium-Sized Enterprise</i>



STATISTIK UTAMA TENAGA BURUH

***PRINCIPAL STATISTICS OF
LABOUR FORCE***

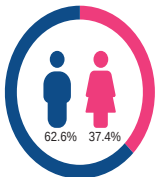
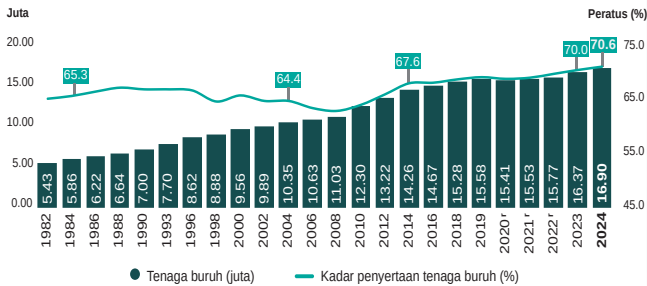
STATISTIK TENAGA BURUH 2024

Kadar pengangguran menurun **0.2 mata peratus** kepada **3.2 peratus** dengan **534.1 ribu** penganggur

TENAGA BURUH

Tenaga buruh Malaysia pada 2024 meningkat sebanyak **3.3 peratus** mencatatkan **16.90 juta orang**

Tenaga buruh, 1982 - 2024



10.58 juta
2023 : 10.19 juta

6.32 juta
2023 : 6.18 juta

KADAR PENYERTAAN TENAGA BURUH

70.6% ▲ 0.6mp
2023 : 70.0%

KADAR PENGANGGURAN

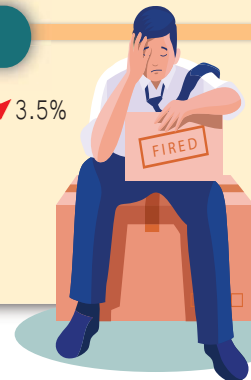
3.2% ▼ 0.2mp
2023 : 3.4%

Pengangguran, 1982 - 2024



PENGANGGUR

534.1 ribu ▼ 3.5%
2023 : 553.4 ribu



PENDUDUK BEKERJA

16.37 juta ▲ 3.5%
2023 : 15.81 juta

LUAR TENAGA BURUH

7.02 juta ▲ 0.4%
2023 : 7.00 juta

(%) Peratus sumbangan (tahun ke tahun)
(mp) Mata peratus

(r) Semakan semula berdasarkan anggaran penduduk semasa daripada Banci Penduduk dan Perumahan Malaysia, 2020

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



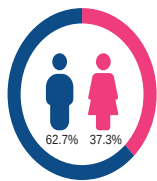
@StatsMalaysia



STATISTIK TENAGA BURUH 2024

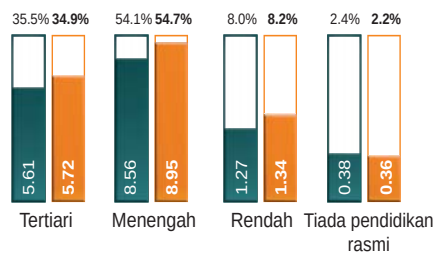
PENDUDUK BEKERJA

Penduduk bekerja meningkat
3.5 peratus merekodkan
16.37 juta orang

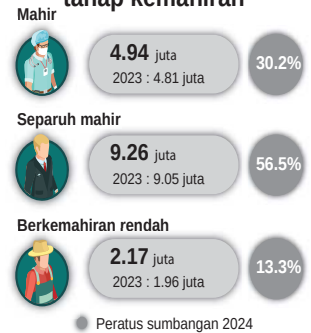


10.26 juta
2023 : 9.85 juta
6.11 juta
2023 : 5.96 juta

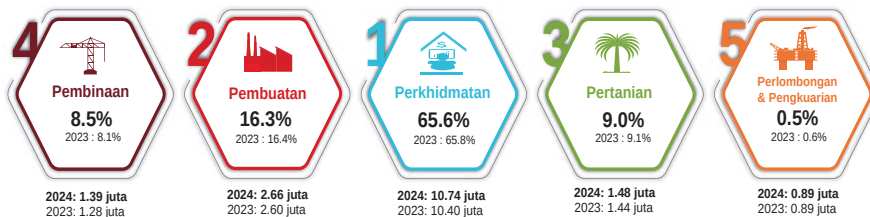
Penduduk bekerja mengikut
pencapaian pendidikan (juta)



Penduduk bekerja mengikut
tahap kemahiran



Penduduk bekerja mengikut sektor¹



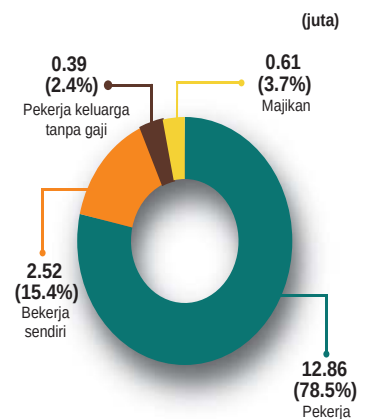
Sumbangan tertinggi mengikut Subsektor Perkhidmatan²



¹ Angka dalam peratus bagi setiap sektor merujuk kepada peratus sumbangan kepada jumlah penduduk bekerja

² Angka dalam peratus bagi setiap subsektor merujuk kepada peratus sumbangan kepada jumlah penduduk bekerja dalam sektor Perkhidmatan

Penduduk bekerja mengikut
taraf pekerjaan (juta)



GUNAKAN TENAGA TIDAK PENUH

Penduduk bekerja kurang
30 jam seminggu, 2017 - 2024



Guna tenaga tidak penuh
berkaitan masa, 2017 - 2024



Guna tenaga tidak penuh
berkaitan kemahiran, 2017 - 2024



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



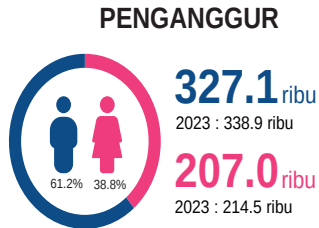
@StatsMalaysia



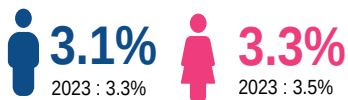
STATISTIK TENAGA BURUH 2024

PENGANGGUR

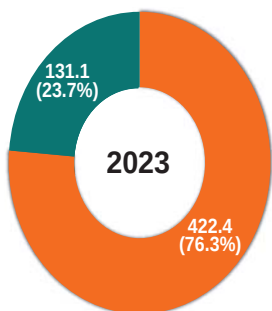
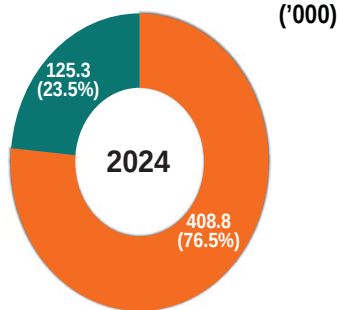
Kadar pengangguran pada tahun 2024 menurun kepada **3.2 peratus**



KADAR PENGANGGURAN

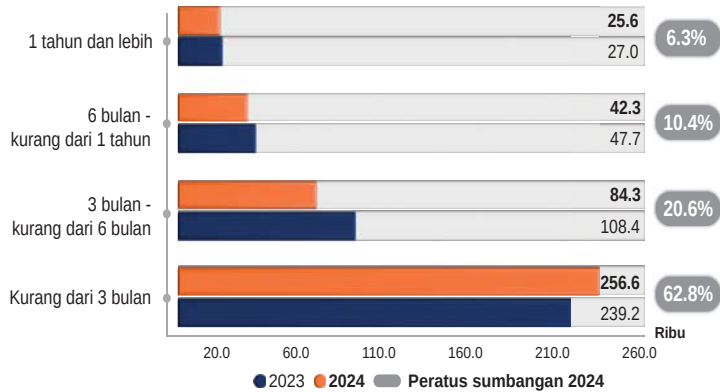


Kategori penganggur

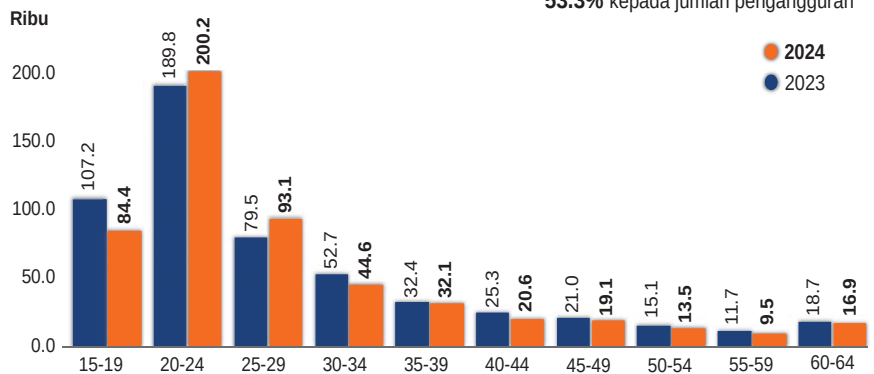


● Penganggur aktif
● Penganggur tidak aktif

Penganggur aktif mengikut tempoh menganggur

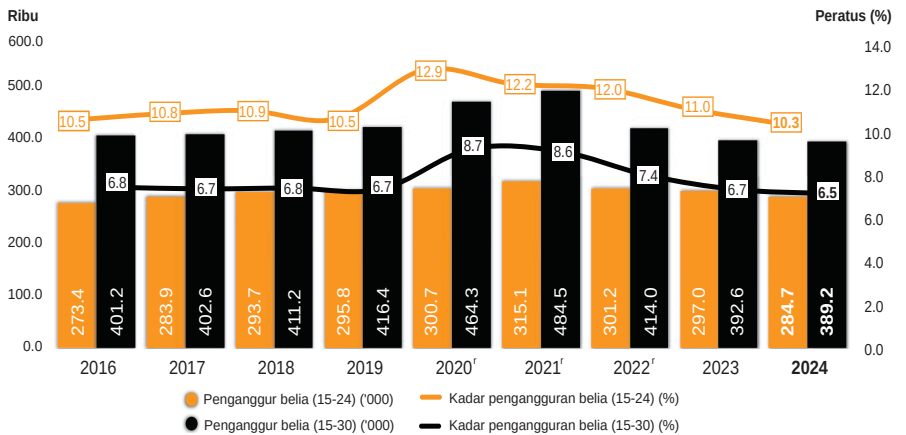


Penganggur mengikut kumpulan umur



Kumpulan umur 15-24 menyumbang **53.3%** kepada jumlah pengangguran

Pengangguran belia, 2016-2024



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



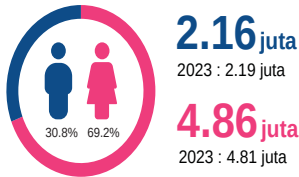
@StatsMalaysia



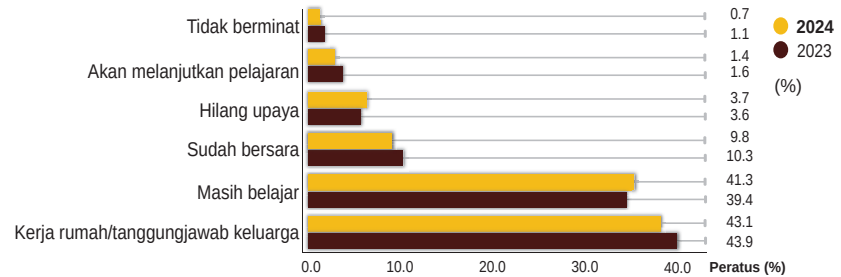
STATISTIK TENAGA BURUH 2024

LUAR TENAGA BURUH

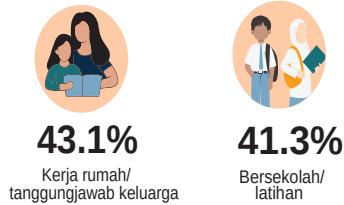
Komposisi utama luar tenaga buruh mengikut jantina adalah golongan perempuan



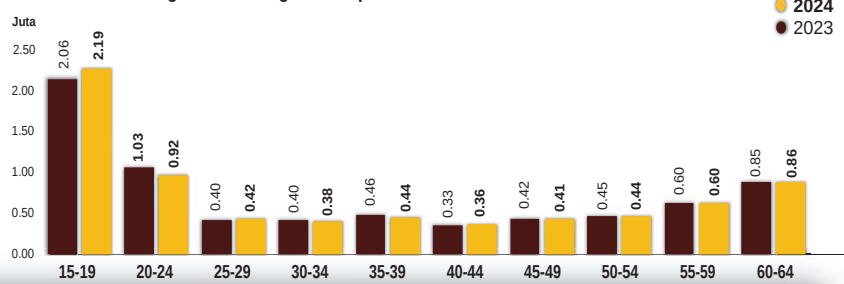
Peratus sumbangan penduduk luar tenaga buruh mengikut sebab tidak mencari pekerjaan



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

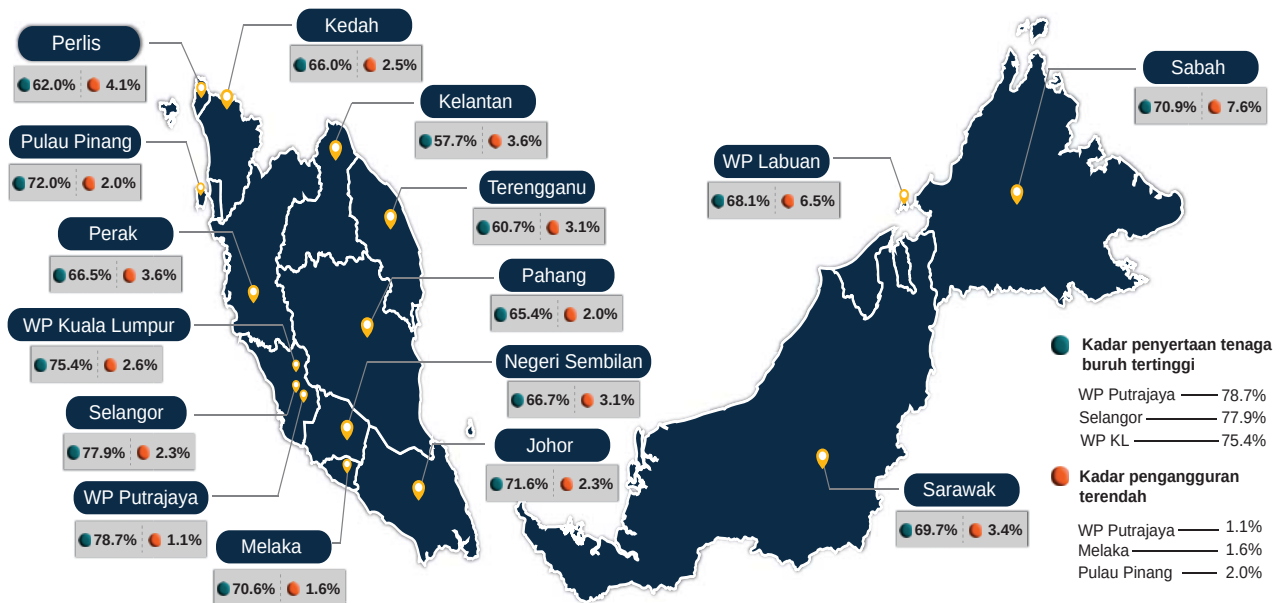


Penduduk luar tenaga buruh mengikut kumpulan umur



KADAR PENYERTAAN TENAGA BURUH DAN KADAR PENGANGGURAN MENGIKUT NEGERI

WP Putrajaya merekodkan kadar penyertaan tenaga buruh tertinggi sebanyak 78.7 peratus dan mencatatkan kadar pengangguran terendah dengan 1.1 peratus



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



@StatsMalaysia



LABOUR FORCE STATISTICS 2024

The unemployment rate decreased by **0.2 percentage points** to **3.2 per cent** with **534.1 thousand** unemployed persons

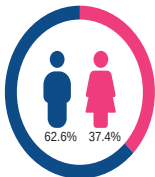
LABOUR FORCE

Malaysia's labour force in 2024 edged up by **3.3 per cent** to register **16.90 million** persons

16.90 million
2023 : 16.37 million

3.3%

Labour force, 1982 - 2024



10.58 million
2023 : 10.19 million

6.32 million
2023 : 6.18 million

LABOUR FORCE PARTICIPATION RATE

70.6% ▲ 0.6pp
2023 : 70.0%

UNEMPLOYMENT RATE

3.2% ▼ 0.2pp
2023 : 3.4%

Unemployment, 1982 - 2024



UNEMPLOYED

534.1 thousand
2023 : 553.4 thousand



EMPLOYED PERSONS

16.37 million ▲ 3.5%
2023 : 15.81 million

OUTSIDE LABOUR FORCE

7.02 million ▲ 0.4%
2023 : 7.00 million

(%) Percentage change (year-on-year)
(pp) Percentage point

(r) Revision based on the current population estimates from Population and Housing Census Malaysia, 2020



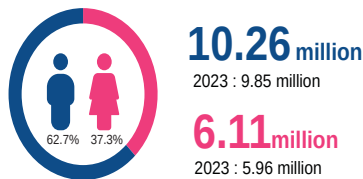
@StatsMalaysia



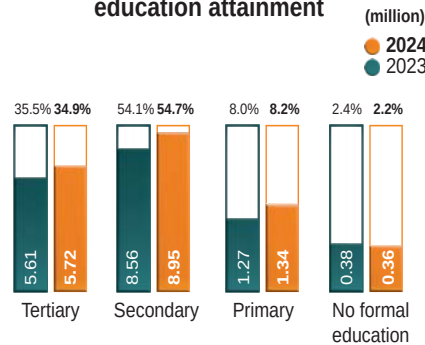
LABOUR FORCE STATISTICS 2024

EMPLOYED PERSONS

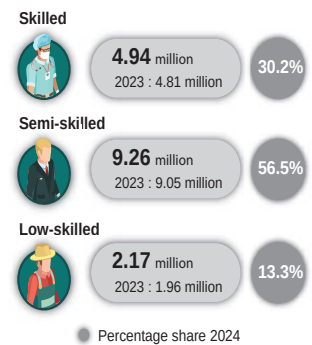
Employed persons increased by **3.5 per cent** to record **16.37 million persons**



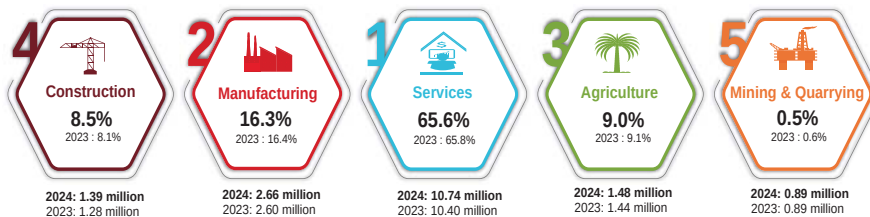
Employed persons by education attainment



Employed persons by skill level



Employed persons by sector¹



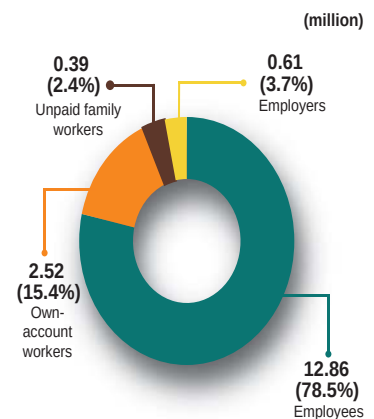
The highest share by sub-sector in Services²



¹ Figures in percentage in each sector refers to the percentage share of the total number of employed persons

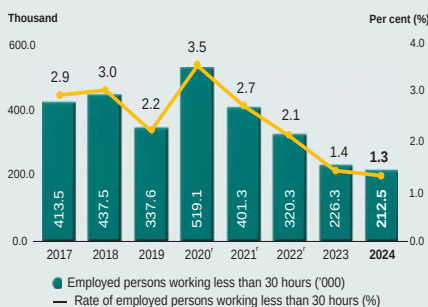
² Figures in percentage in each sub-sector refers to the percentage share of the total number of employed persons in the Services sector

Employed persons by status of employment

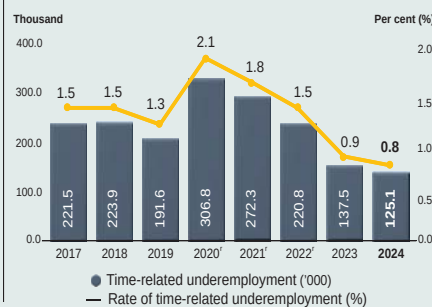


UNDEREMPLOYMENT

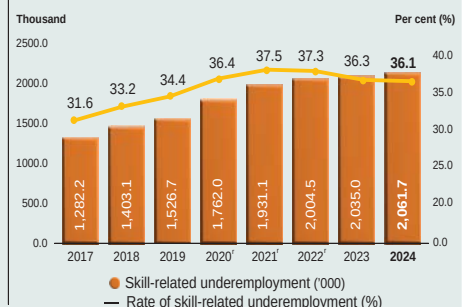
Employed persons working less than 30 hours per week, 2017 - 2024



Time-related underemployment, 2017 - 2024



Skill-related underemployment, 2017 - 2024



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



@StatsMalaysia

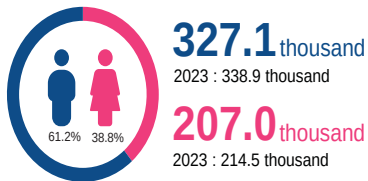


LABOUR FORCE STATISTICS 2024

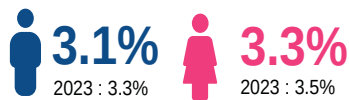
UNEMPLOYMENT

Unemployment rate in 2024 declined to **3.2 per cent**

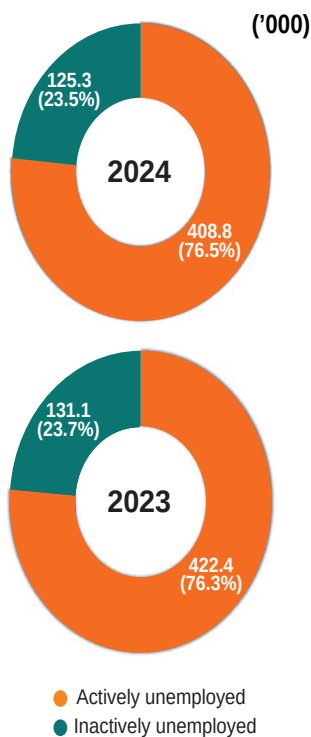
UNEMPLOYED



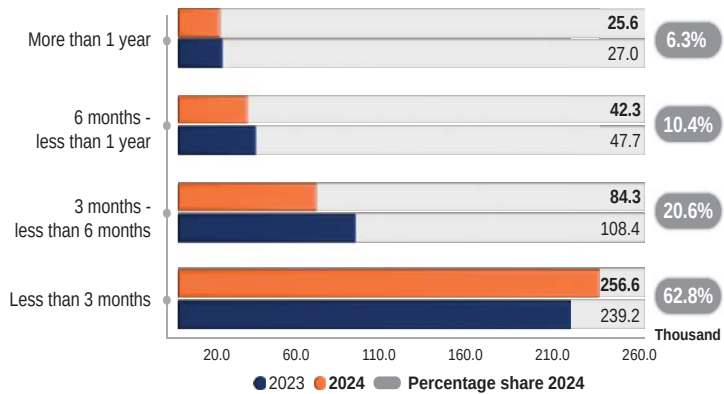
UNEMPLOYMENT RATE



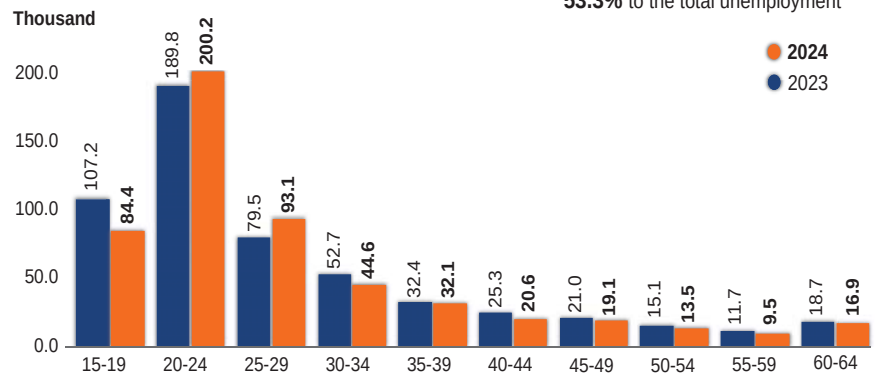
Unemployed category



Actively unemployed persons by duration of unemployment

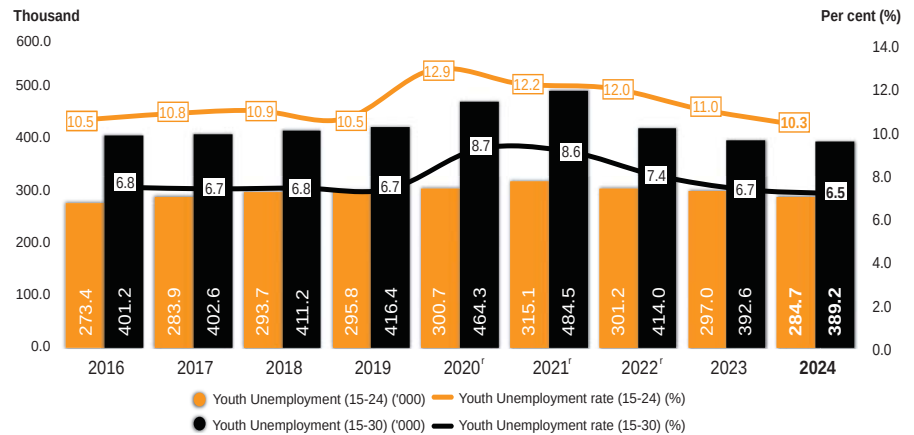


Unemployed by age group



The age group 15-24 contributed **53.3%** to the total unemployment

Youth unemployment, 2016-2024



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



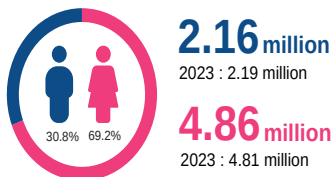
@StatsMalaysia



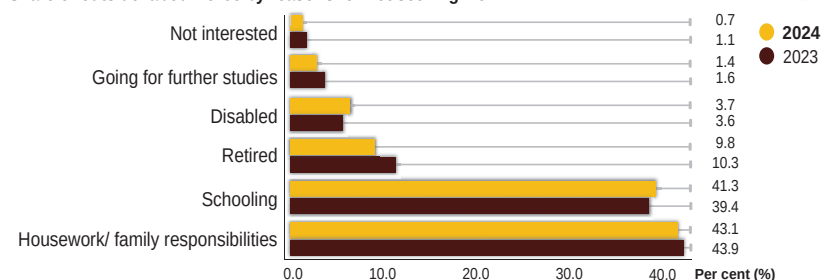
LABOUR FORCE STATISTICS 2024

OUTSIDE LABOUR FORCE

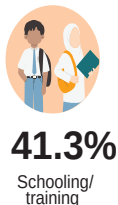
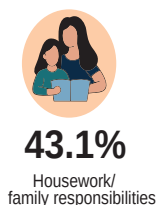
Major composition of outside labour force by sex was female



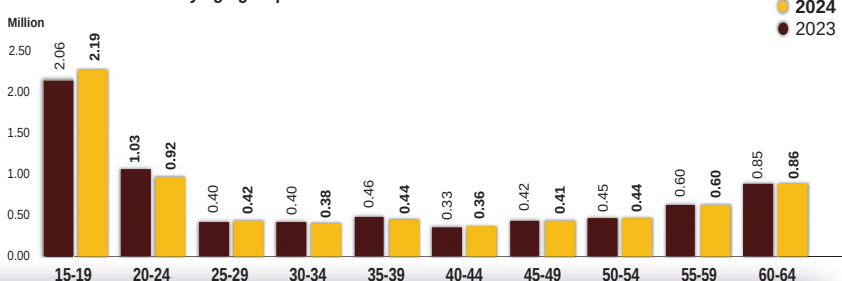
Share of outside labour force by reasons for not seeking work



Main reason of outside labour force was due to housework/ family responsibilities

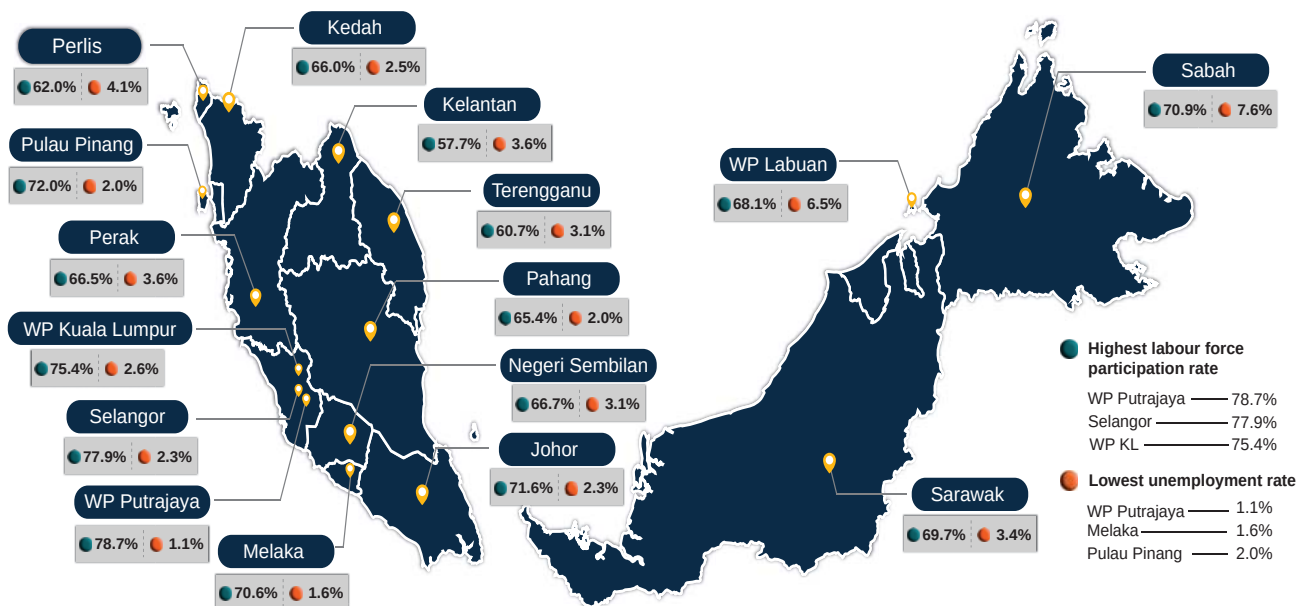


Outside labour force by age group



LABOUR FORCE PARTICIPATION RATE AND UNEMPLOYMENT RATE BY STATE

WP Putrajaya recorded the highest labour force participation rate of 78.7 per cent and the lowest unemployment rate with 1.1 per cent



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



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RINGKASAN PENEMUAN

SUMMARY OF FINDINGS

1. Pengenalan

PASARAN BURUH MALAYSIA KEKAL STABIL PADA TAHUN 2024, SELARAS DENGAN PENGEMBANGAN EKONOMI, DICERMINKAN OLEH PENINGKATAN GUNA TENAGA DAN PENURUNAN BERTERUSAN DALAM PENGANGGURAN

Tahun 2024 merupakan tempoh yang dinamik bagi ekonomi global dan Malaysia, yang dicerminkan oleh kombinasi ketahanan, pemulihan serta penyesuaian berterusan terhadap landskap ekonomi yang terus berkembang. Meskipun pertumbuhan ekonomi global kekal sederhana dengan unjuran 3.2 peratus oleh Tabung Kewangan Antarabangsa (IMF), ia masih dibelenggu oleh pelbagai cabaran berterusan seperti kadar inflasi yang tinggi dalam sektor Perkhidmatan, peralihan dasar monetari yang kompleks, ketegangan geopolitik yang memuncak, serta ketidaktentuan dalam perdagangan global¹. Di sebalik tekanan luaran ini, Malaysia berjaya mengekalkan momentum ekonomi yang positif, disokong oleh permintaan domestik yang kukuh, pemulihan sektor luaran dan pelaksanaan langkah dasar strategik. Prestasi pasaran buruh turut mencerminkan kestabilan ekonomi ini, dengan penambahbaikan yang konsisten direkodkan sepanjang tahun. Negara turut mendapat manfaat daripada pelbagai inisiatif kerajaan yang proaktif dalam merangsang peluang pekerjaan dan menggalakkan aktiviti perniagaan. Antara pemacu utama kepada pertumbuhan ini termasuk aktiviti pelancongan yang rancak, pengembangan industri elektrik dan elektronik (E&E) serta semikonduktor, di samping peningkatan pelaburan langsung asing. Perkembangan ini telah menyokong permintaan buruh yang lebih tinggi merentasi pelbagai sektor, sekali gus mendorong kepada tahap guna tenaga yang lebih tinggi dan penurunan dalam kadar pengangguran.

Pada awal tahun 2024, tenaga buruh Malaysia menunjukkan ketahanan yang ketara, dipacu oleh situasi ekonomi yang menggalakkan serta pemulihan sektor-sektor utama. Salah satu penyumbang utama kepada trend ini ialah peningkatan penyertaan tenaga buruh perempuan yang telah melepasi paras prapandemik. Pertumbuhan ini sebahagian besarnya didorong oleh akses yang lebih meluas kepada kaedah kerja yang fleksibel, hasil daripada transformasi digital dan kemajuan teknologi yang membolehkan lebih ramai individu, khususnya perempuan yang mempunyai tanggungjawab keluarga, untuk melibatkan diri dalam pekerjaan yang produktif.

Bulan-bulan pada awal tahun turut mendapat manfaat hasil daripada sambutan perayaan bermusim dan kebudayaan yang meriah, khususnya bulan Ramadan dan Aidilfitri, yang secara signifikan merangsang aktiviti pengguna dan meningkatkan daya hidup ekonomi secara keseluruhan. Perayaan ini telah mendorong permintaan tinggi terhadap barangan dan perkhidmatan, terutamanya dalam industri makanan dan minuman (F&B), peruncitan, hospitaliti dan sektor informal, seterusnya mewujudkan peluang pekerjaan sementara dan tetap. Para usahawan, khususnya perusahaan Mikro, Kecil dan Sederhana (PMKS), mengambil peluang daripada permintaan semasa dengan memperkenalkan produk baharu, mewujudkan platform atas talian, serta membuka gerai sementara di bazar-bazar, sekali gus menyumbang kepada perkembangan aktiviti perniagaan dan pertumbuhan pasaran buruh. Selain itu, faktor ekonomi dan sosial ini turut menyumbang kepada prestasi tenaga buruh yang menggalakkan dan inklusif pada suku pertama 2024.

Selain itu, pelbagai inisiatif yang diterajui oleh kerajaan seperti karnival kerjaya, program pembangunan kemahiran dan platform padanan pekerjaan telah dilaksanakan di seluruh negara bagi memenuhi keperluan pasaran buruh dan menyokong pencari kerja. Usaha-usaha ini memainkan peranan penting dalam merapatkan jurang kemahiran, meningkatkan kebolehpasaran pekerjaan serta menggalakkan penyertaan tenaga kerja yang inklusif. Tumpuan kerajaan dalam memperkasa PMKS melalui peruntukan belanjawan yang disasarkan serta penglibatan serantau seperti penganjuran Malaysia Fest 2024 di Singapura turut menyumbang kepada pewujudan pekerjaan dan pembangunan perusahaan².

Pada tempoh pertengahan tahun 2024 menyaksikan peningkatan pelaburan dalam projek pembangunan negara, yang telah merangsang pertumbuhan sektor-sektor utama seperti Pertanian, Pelancongan

¹<https://www.thestar.com.my/business/business-news/2024/04/09/malaysia039s-labour-market-seen-remaining-stable-with-jobless-rate-at-32-in-2024>

²https://cbre-wtw.com.my/wp-content/uploads/2024/08/1H-2024-Snapshot_Klang-Valley_Final-Clean.pdf

dan Pembuatan. Penganjuran pameran antarabangsa seperti Pameran Pertanian, Hortikultur dan Agropelancongan Malaysia (MAHA) 2024 telah memainkan peranan penting dalam mempromosikan industri berasaskan agro, sekali gus membuka 5,556 peluang pekerjaan melalui platform seperti Agro Job Fair³. Momentum positif ini berterusan ke separuh tahun kedua, disokong oleh kemasukan pelaburan asing yang kukuh yang antaranya termasuk penubuhan syarikat semikonduktor dari Amerika Syarikat di Pulau Pinang yang mewujudkan 3,000 peluang pekerjaan baharu⁴ dan pelancaran projek ekonomi digital berskala besar bernilai RM254.7 bilion yang dijangka menyediakan 159,000 peluang pekerjaan. Begitu juga, pelaburan tambahan sebanyak RM30.1 bilion dalam projek semikonduktor di Kedah turut mengukuhkan kedudukan Malaysia dalam rantai nilai pembuatan berteknologi tinggi⁵.

Menjelang akhir tahun 2024, negara telah berdepan dengan gangguan semula jadi yang tidak dijangka, khususnya insiden banjir besar di negeri-negeri Pantai Timur yang telah memberi kesan buruk kepada sektor Pertanian dan menyebabkan kerosakan infrastruktur tempatan yang ketara. Rentetan itu, kerajaan telah bertindak segera dengan melaksanakan mekanisme sokongan serta menggesa majikan untuk memastikan hak pekerja terus dipelihara, terutamanya di kawasan yang terjejas banjir. Pada masa yang sama, musim perayaan dan cuti sekolah hujung tahun pada bulan Disember telah merancakkan aktiviti dalam sektor runcit dan pelancongan, yang menyumbang kepada lonjakan kehadiran pengunjung di kawasan komersial serta merangsang permintaan terhadap tenaga kerja dalam sektor perkhidmatan berkaitan. Faktor bermusim ini, digabungkan dengan kemasukan pelaburan berterusan serta prestasi eksport yang memberangsangkan, terus menyumbang kepada pertumbuhan guna tenaga dan memperkukuhkan daya tahan pasaran buruh Malaysia pada suku akhir tahun tersebut. Secara keseluruhannya, situasi pasaran buruh pada tahun 2024 kekal stabil, selaras dengan pengembangan ekonomi, yang dicerminkan oleh peningkatan guna tenaga dan penurunan berterusan dalam pengangguran.

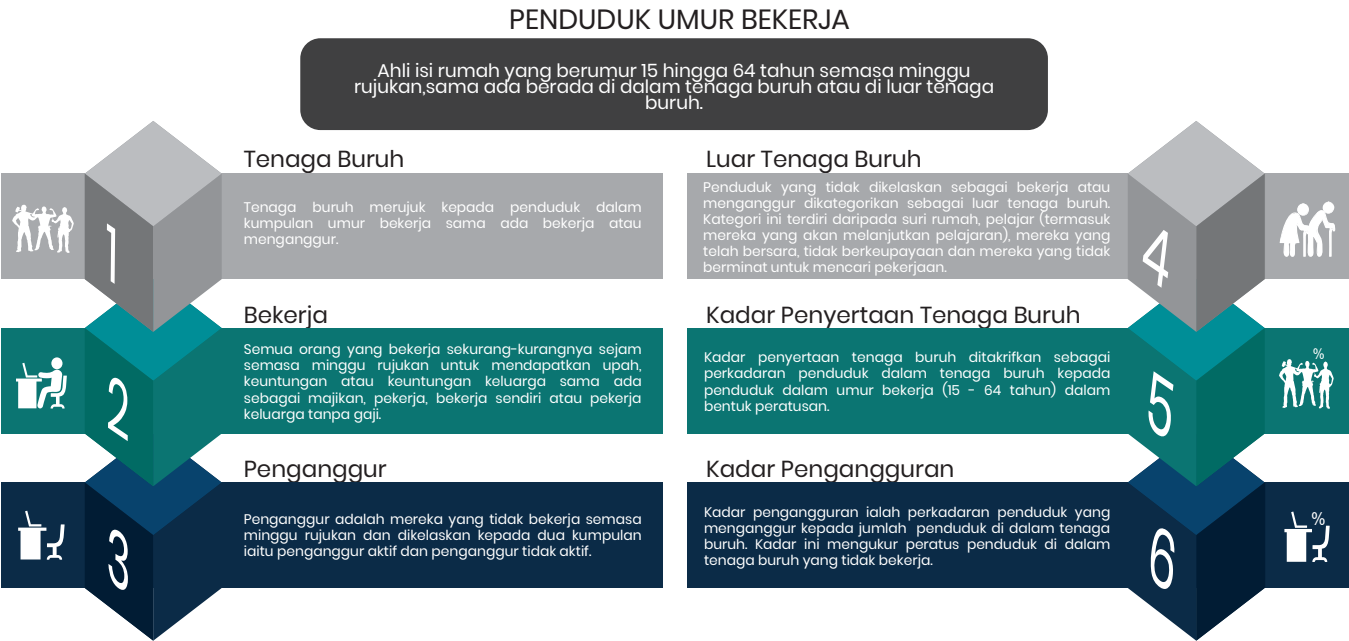
Bagi indikator ekonomi, Indeks Pelopor (IP) Malaysia menunjukkan tanda-tanda pemulihan yang memberangsangkan pada November 2024 apabila mencatatkan peningkatan sebanyak 2.5 peratus tahun ke tahun kepada 112.6 mata dan mencatatkan peningkatan bulanan sebanyak 1.1 peratus setelah tiga bulan berturut-turut merekodkan penurunan. Meskipun indeks ini masih berada sedikit di bawah garis trend jangka panjang, perubahan positif ini mencerminkan keyakinan ekonomi yang semakin pulih. Peningkatan ini disokong oleh permintaan domestik yang kukuh, sentimen perniagaan yang bertambah baik, serta pemulihan permintaan global, khususnya bagi produk berteknologi tinggi dan semikonduktor yang merupakan antara pemacu utama eksport Malaysia. Perkembangan positif ini memberi petunjuk kepada prospek ekonomi yang lebih optimistik dan isyarat kepada potensi pewujudan lebih banyak peluang pekerjaan serta mengukuhkan pasaran buruh menjelang tahun 2025.

³<https://www.utusan.com.my/pilihan-utusan/2024/09/5556-peluang-kerja-menanti-belia-di-maha-2024/>

⁴<https://www.bharian.com.my/amp/bisnes/korporat/2024/11/1322930/firma-dexcom-labur-rm283-bilion-buka-kilang-di-pulau-pinang>

⁵https://www.astroawani.com/berita-bisnes/pelbagai-perencanaan-strategik-lonjakkan-ekonomi-sepanjang-2024-pm-anwar-501690?utm_source=news_keyword_widget&utm_medium=data-embed&utm_campaign=20241231+News-Keyward-ekonomi+malaysia

2. Konsep dan Definisi

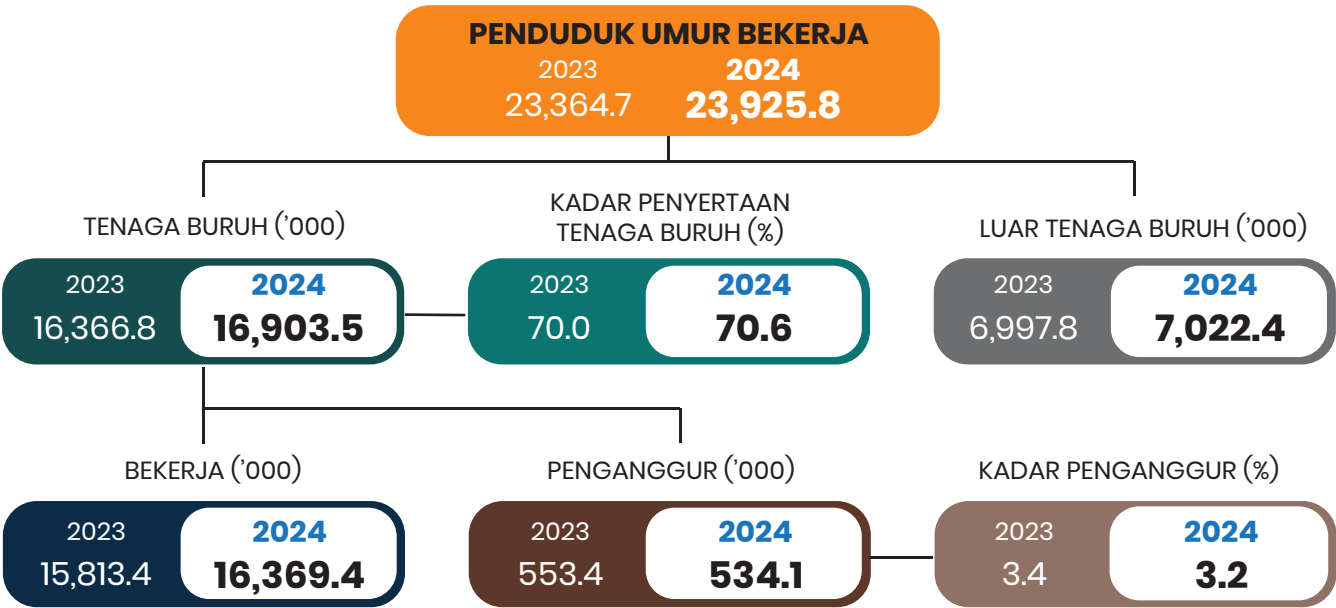


3. Tenaga Buruh

KPTB meningkat sebanyak 0.6 mata peratus kepada rekod tertinggi baharu iaitu 70.6 peratus

Tenaga buruh Malaysia kekal pada trajektori menaik pada tahun 2024, mencatatkan pertumbuhan sebanyak 3.3 peratus, bersamaan dengan pertambahan sebanyak 536.6 ribu orang. Selaras dengan itu, bilangan tenaga buruh meningkat kepada 16.90 juta orang, berbanding 16.37 juta orang pada tahun 2023. Seiring dengan trend positif ini, kadar penyertaan tenaga buruh (KPTB) meningkat sebanyak 0.6 mata peratus kepada paras tertinggi baharu iaitu 70.6 peratus (2023: 70.0%), seperti ditunjukkan dalam Paparan 1.

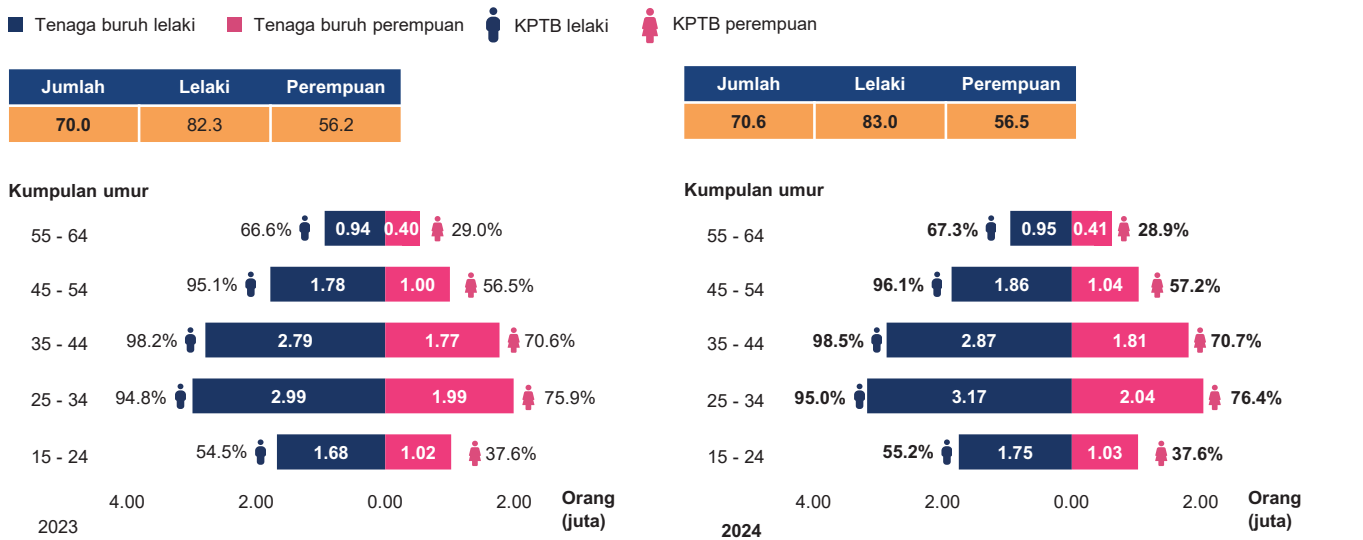
Paparan 1: Statistik utama tenaga buruh, Malaysia, 2023 dan 2024



Pada tahun 2024, tenaga buruh terus menunjukkan pertumbuhan positif bagi kedua-dua jantina. Tenaga buruh lelaki meningkat sebanyak 3.9 peratus, mencatatkan pertambahan 395.6 ribu orang kepada 10.58 juta (2023: 10.19 juta orang). Begitu juga, tenaga buruh perempuan turut merekodkan peningkatan 2.3 peratus (+141.0 ribu orang), menjadikan jumlah kepada 6.32 juta orang. Selaras dengan pertumbuhan ini, KPTB lelaki meningkat sebanyak 0.7 mata peratus kepada 83.0 peratus (2023: 82.3%), manakala KPTB perempuan naik sebanyak 0.3 mata peratus kepada 56.5 peratus (2023: 56.2%).

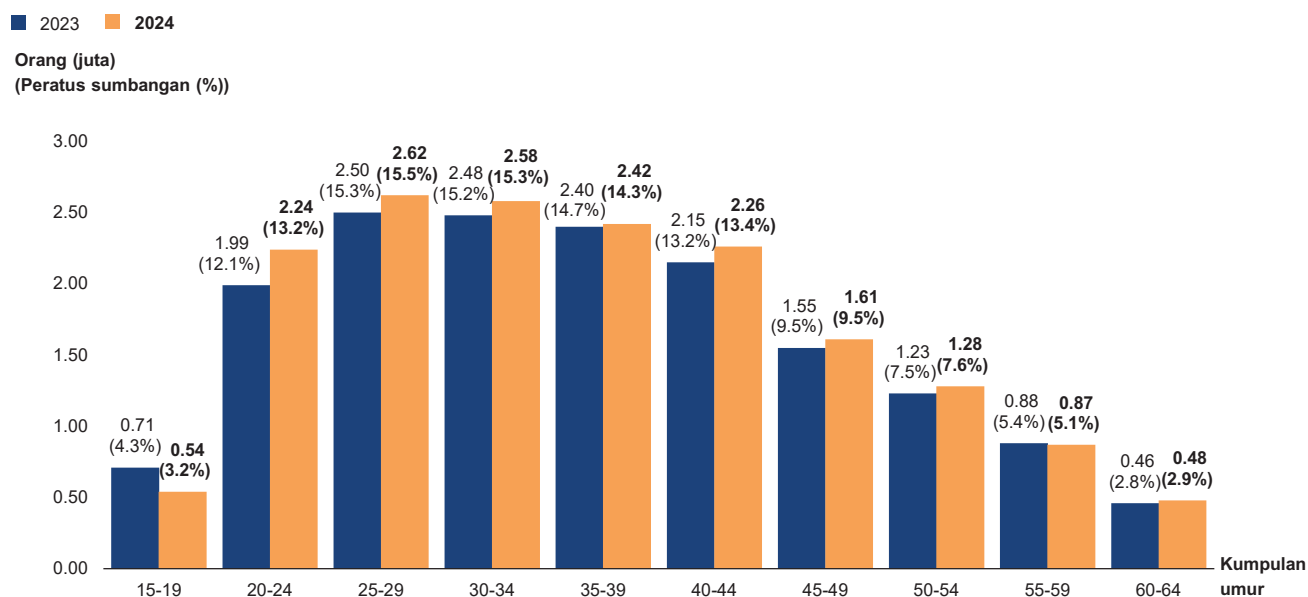
Mengikut kumpulan umur, golongan berumur 25 hingga 34 tahun mencatatkan KPTB tertinggi pada 86.7 peratus, manakala kumpulan umur 15 hingga 24 tahun merekodkan kadar terendah pada 47.1 peratus. Kumpulan umur 35 hingga 44 tahun berada di kedudukan kedua dengan peningkatan sebanyak 0.3 mata peratus kepada 85.5 peratus, diikuti oleh kumpulan umur 45 hingga 54 tahun dengan kadar 77.3 peratus. Sementara itu, mengikut jantina, KPTB lelaki tertinggi dicatatkan dalam kalangan mereka yang berumur 35 hingga 44 tahun, iaitu sebanyak 98.5 peratus. Bagi perempuan, KPTB tertinggi direkodkan dalam kalangan umur 25 hingga 34 tahun, dengan peningkatan 0.5 mata peratus kepada 76.4 peratus **[Carta 1]**.

Carta 1: Kadar penyertaan tenaga buruh mengikut jantina dan kumpulan umur, Malaysia, 2023 dan 2024



Sepanjang tahun tersebut, kumpulan umur 25 hingga 29 tahun menyumbang komposisi terbesar keseluruhan tenaga buruh, merangkumi 15.5 peratus atau bersamaan 2.62 juta orang, diikuti oleh kumpulan umur 30 hingga 34 tahun sebanyak 15.3 peratus (2.58 juta orang), dan kumpulan umur 35 hingga 39 tahun sebanyak 14.3 peratus (2.42 juta orang), seperti yang ditunjukkan dalam **Carta 2**.

Carta 2: Tenaga buruh mengikut kumpulan umur, Malaysia, 2023 dan 2024



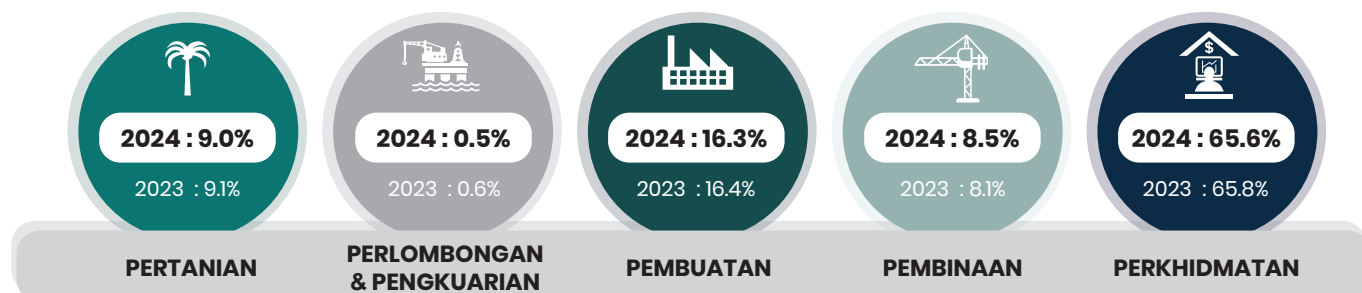
4. Penduduk Bekerja

Bilangan penduduk bekerja terus mencatatkan pertumbuhan, mencapai 16.37 juta orang

Pada tahun 2024, bilangan penduduk bekerja meningkat sebanyak 3.5 peratus (+556.0 ribu orang), mengekalkan trend menaik merekodkan 16.37 juta orang berbanding 15.81 juta orang pada tahun sebelumnya. Sehubungan itu, nisbah guna tenaga kepada penduduk yang menunjukkan keupayaan ekonomi untuk mewujudkan pekerjaan, meningkat sebanyak 0.7 mata peratus tahun ke tahun, daripada 67.7 peratus kepada 68.4 peratus.

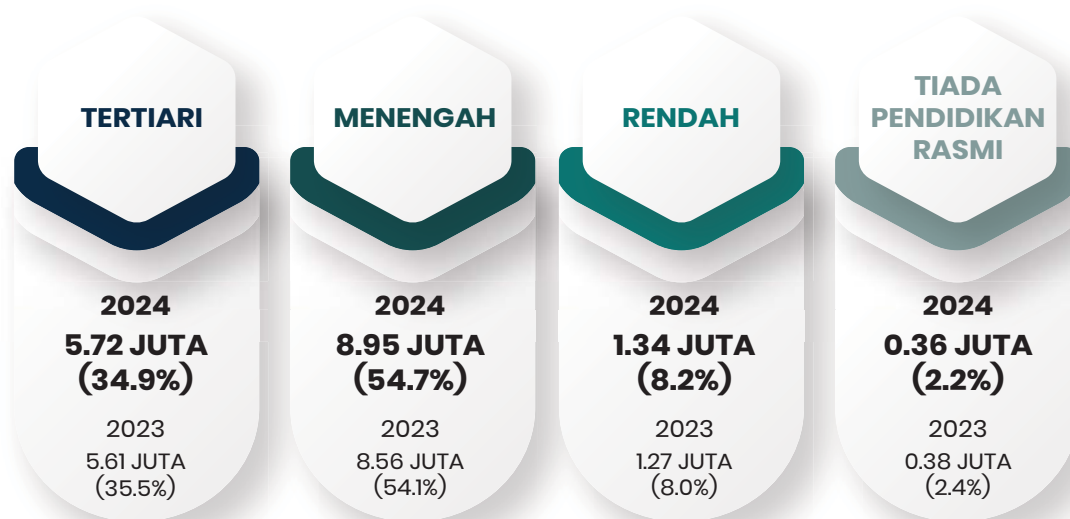
Dari sudut sektoral, guna tenaga kekal didominasi oleh sektor Perkhidmatan yang terus mencatatkan trend peningkatan, merangkumi 65.6 peratus daripada jumlah guna tenaga. Ini diikuti oleh sektor Pembuatan sebanyak 16.3 peratus dan sektor Pertanian sebanyak 9.0 peratus. Selain itu, sektor Pembinaan mencatatkan 8.5 peratus daripada jumlah guna tenaga, manakala sektor Perlombongan & pengkuarian menyumbang sumbangan terkecil iaitu 0.5 peratus, seperti ditunjukkan dalam **Paparan 2**.

Paparan 2: Penduduk bekerja mengikut sektor, Malaysia, 2023 dan 2024



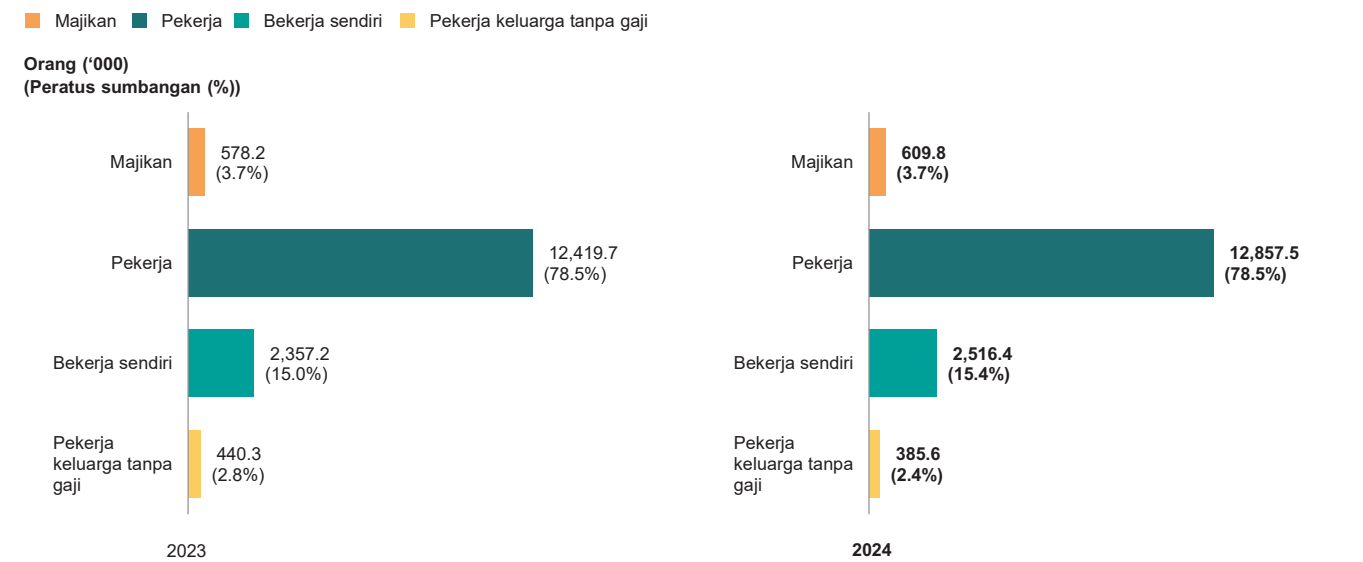
Dari segi pencapaian pendidikan, individu berpendidikan menengah merupakan sumbangan terbesar daripada jumlah penduduk bekerja iaitu mewakili sebanyak 54.7 peratus. Kategori ini meningkat sebanyak 4.6 peratus kepada 8.95 juta orang berbanding 8.56 juta orang pada tahun 2023. Sementara itu, mereka yang memiliki pendidikan tertiar merangkumi 34.9 peratus daripada jumlah penduduk bekerja, meningkat sebanyak 1.9 peratus kepada 5.72 juta orang berbanding 5.61 juta orang pada tahun sebelumnya. Guna tenaga dalam kalangan mereka yang berpendidikan rendah mencatatkan 8.2 peratus, dengan peningkatan sebanyak 6.0 peratus kepada 1.34 juta orang (2023: 1.27 juta orang). Sebaliknya, bilangan penduduk bekerja yang tiada pendidikan rasmi menurun sebanyak 5.8 peratus kepada 356.4 ribu orang, merangkumi lebih 2.2 peratus daripada keseluruhan (2023: 378.2 ribu orang), seperti yang ditunjukkan dalam **Paparan 3**.

Paparan 3: Penduduk bekerja mengikut pencapaian pendidikan, Malaysia, 2023 dan 2024



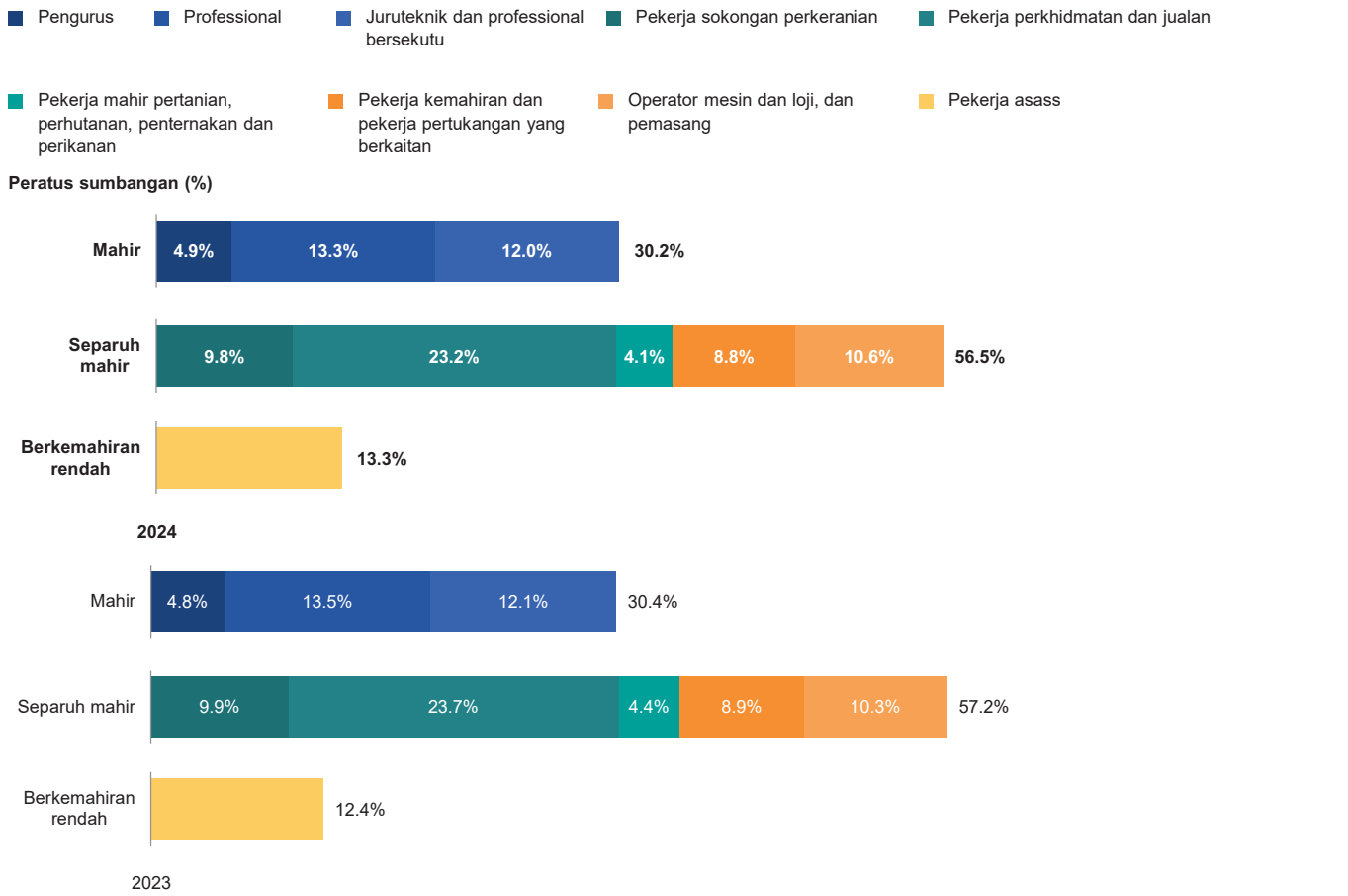
Berdasarkan taraf pekerjaan, kategori pekerja merupakan kumpulan terbesar dalam kalangan penduduk bekerja pada tahun 2024, merangkumi 78.5 peratus. Kategori ini mencatatkan pertumbuhan tahunan sebanyak 3.5 peratus kepada 12.86 juta orang berbanding 12.42 juta orang pada tahun 2023. Penduduk bekerja sendiri pula menyumbang 15.4 peratus daripada jumlah guna tenaga, meningkat kepada 2.52 juta orang (2023: 2.38 juta orang). Kategori majikan yang merangkumi 3.7 peratus daripada jumlah penduduk bekerja juga mencatatkan pertumbuhan sebanyak 5.5 peratus kepada 609.8 ribu orang (2023: 578.2 ribu orang). Sebaliknya, bilangan pekerja keluarga tanpa gaji yang mewakili 2.4 peratus daripada jumlah penduduk bekerja terus mencatatkan trend penurunan, susut sebanyak 12.4 peratus kepada 385.6 ribu orang berbanding 440.3 ribu orang pada tahun sebelumnya, seperti ditunjukkan dalam **Carta 3**.

Carta 3: Penduduk bekerja mengikut taraf pekerjaan, Malaysia, 2023 dan 2024



Dari segi tahap kemahiran, majoriti penduduk bekerja tertumpu dalam kategori pekerjaan separuh mahir, merangkumi 56.5 peratus atau 9.26 juta orang. Pekerjaan mahir meliputi 30.2 peratus (4.94 juta orang), manakala pekerjaan berkemahiran rendah mewakili lebih 13.3 peratus (2.17 juta orang). Dari segi pertumbuhan tahunan, guna tenaga dalam pekerjaan separuh mahir terus meningkat sebanyak 2.3 peratus, berbanding 3.1 peratus pada tahun sebelumnya. Sementara itu, guna tenaga dalam pekerjaan berkemahiran rendah merekodkan pertumbuhan sebanyak 10.9 peratus (2023: 11.7%), manakala pekerjaan mahir mencatatkan peningkatan sebanyak 2.8 peratus (2023: 4.0%), seperti ditunjukkan dalam **Carta 4**.

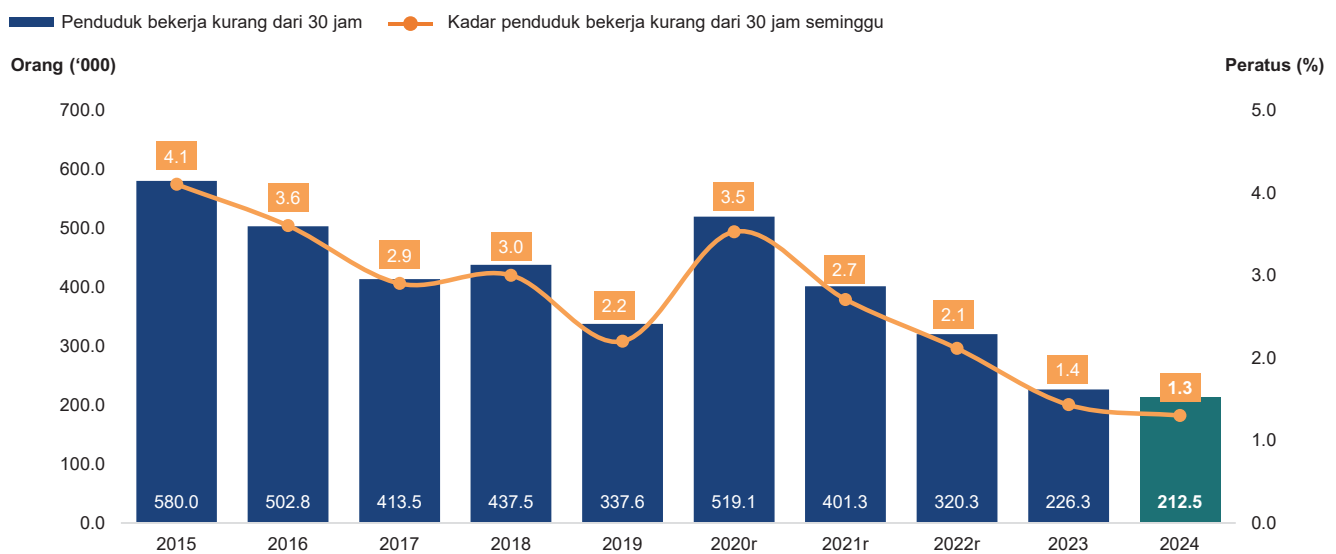
Carta 4: Penduduk bekerja mengikut tahap Kemahiran, Malaysia, 2023 dan 2024



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. Berdasarkan tinjauan pada tahun 2024, prestasi ekonomi Malaysia kekal kukuh, sekali gus menyumbang kepada daya tahan pasaran buruh dan peningkatan dalam keseluruhan guna tenaga. Sehubungan itu, bilangan penduduk bekerja yang bekerja kurang daripada 30 jam seminggu mencatatkan penurunan ketara sebanyak 6.1 peratus atau bersamaan 13.8 ribu orang merekodkan 212.5 ribu orang (2023: 226.3 ribu orang). Kumpulan ini merangkumi 1.3 peratus daripada jumlah guna tenaga, dengan mencatatkan penurunan sebanyak 0.1 mata peratus berbanding 1.4 peratus pada tahun sebelumnya, seperti ditunjukkan dalam **Carta 5**.

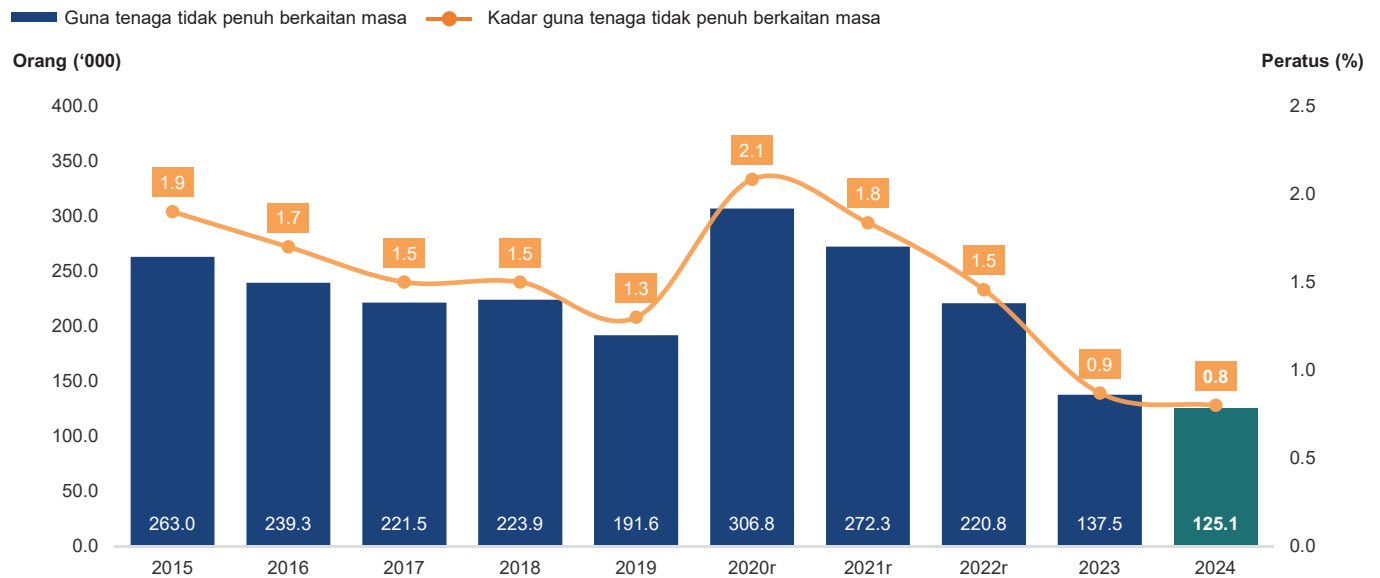
Carta 5: Penduduk bekerja kurang dari 30 jam seminggu, Malaysia, 2015 - 2024



Nota: *Semakan semula berdasarkan anggaran penduduk semasa daripada Banci Penduduk dan Perumahan Malaysia, 2020

Sejajar dengan itu, kadar guna tenaga tidak penuh berkaitan masa pada tahun 2024 merekodkan penurunan yang kecil sebanyak 0.1 mata peratus kepada 0.8 peratus (2023: 0.9%). Ini menunjukkan pengurangan sebanyak 9.1 peratus atau 12.5 ribu orang, menjadikan jumlah keseluruhan seramai 125.1 ribu orang (2023: 137.5 ribu orang). Guna tenaga tidak penuh berkaitan masa merujuk kepada individu yang bekerja kurang daripada 30 jam seminggu disebabkan oleh sifat pekerjaan atau kekurangan kerja, serta berkeupayaan dan bersedia untuk bekerja lebih banyak jam [**Carta 6**].

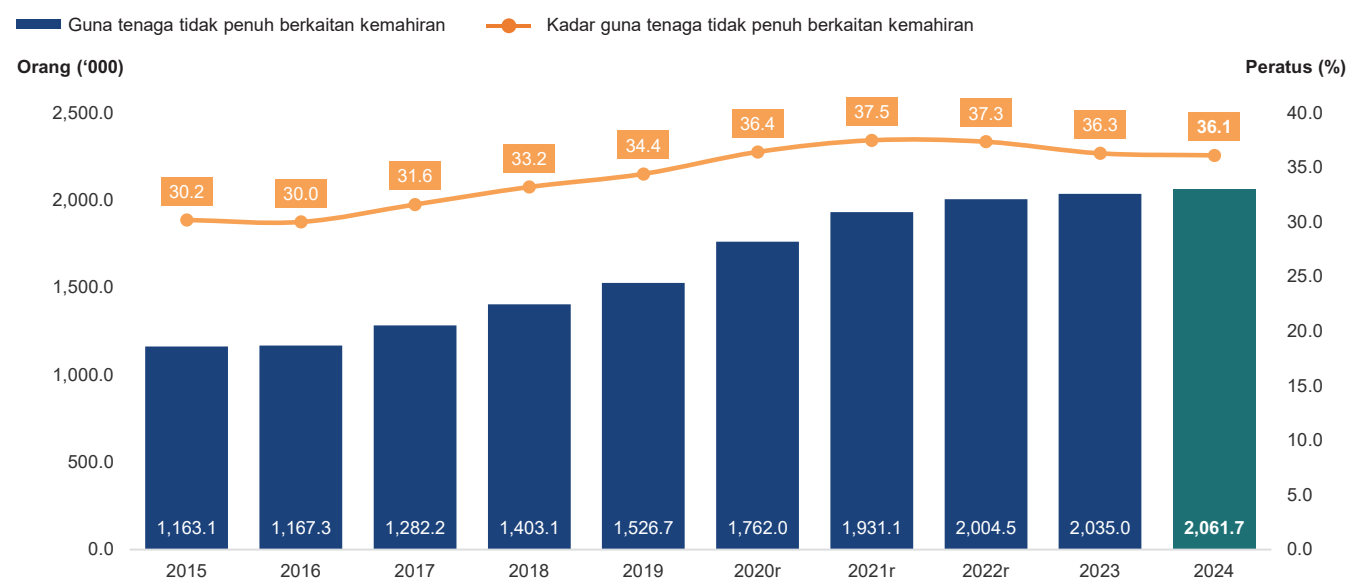
Carta 6: Guna tenaga tidak penuh berkaitan masa, Malaysia, 2015 - 2024



Nota: * Semakan semula berdasarkan anggaran penduduk semasa daripada Banci Penduduk dan Perumahan Malaysia, 2020

Ketidakpadanan pekerjaan lazimnya merujuk kepada situasi di mana seseorang bekerja dalam jawatan yang memerlukan tahap kemahiran yang lebih rendah berbanding kelayakan pendidikan yang dimilikinya. Oleh itu, situasi ini ditunjukkan melalui indikator guna tenaga tidak penuh berkaitan kemahiran, yang mengukur bilangan individu berpendidikan tertiar tetapi bekerja dalam pekerjaan separuh mahir dan berkemahiran rendah. Pada tahun 2024, bilangan penduduk dalam guna tenaga tidak penuh berkaitan kemahiran meningkat sebanyak 1.3 peratus, dengan pertambahan seramai 26.8 ribu orang kepada jumlah keseluruhan 2.06 juta orang (2023: 2.03 juta orang). Walaupun berlaku peningkatan dari segi bilangan, kadar guna tenaga tidak penuh berkaitan kemahiran terus menunjukkan penurunan, iaitu berkurang sebanyak 0.2 mata peratus kepada 36.1 peratus berbanding 36.3 peratus pada tahun sebelumnya, seperti ditunjukkan dalam **Carta 7**.

Carta 7: Guna tenaga tidak penuh berkaitan kemahiran, Malaysia, 2015 - 2024



Nota: * Semakan semula berdasarkan anggaran penduduk semasa daripada Banci Penduduk dan Perumahan Malaysia, 2020

Selari dengan perkembangan ekonomi yang positif, pengoperasian semula aktiviti ekonomi dan sosial secara menyeluruh telah mengalakkan penyertaan yang lebih besar dalam pasaran buruh. Oleh itu, bilangan penduduk bekerja yang tidak bekerja buat sementara waktu mencatatkan pengurangan sebanyak 7.1 peratus, iaitu penurunan sebanyak 5.2 ribu orang kepada 68.3 ribu orang pada tahun 2024 (2023: 73.5 ribu orang).

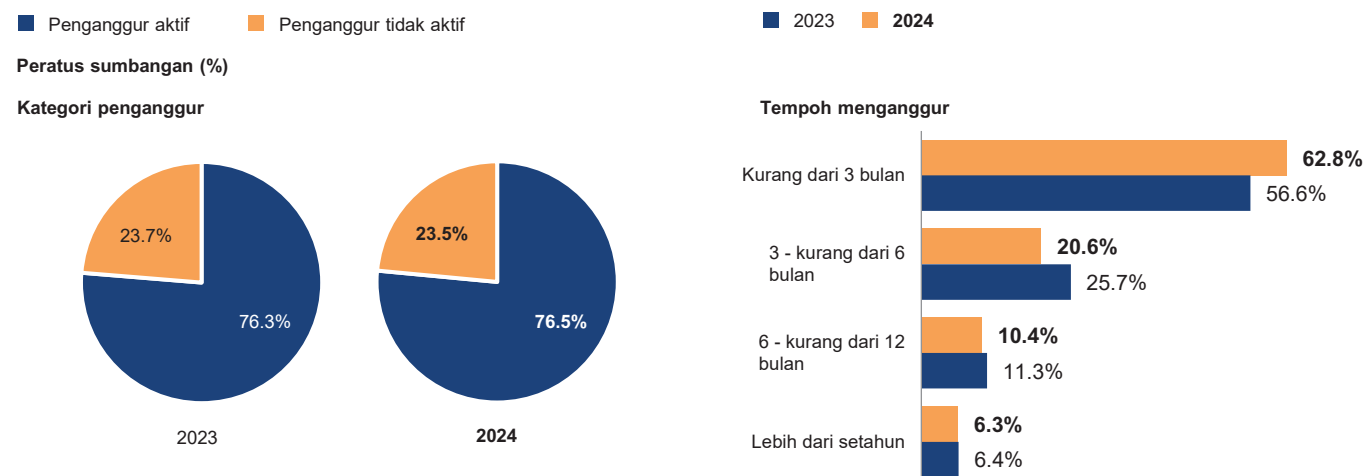
5. Pengangguran

Kadar pengangguran pada 2024 terus mencatatkan penurunan kepada 3.2 peratus

Kadar pengangguran pada tahun 2024 terus dengan trend penurunannya, menurun sebanyak 0.2 mata peratus kepada 3.2 peratus, berbanding 3.4 peratus pada tahun 2023. Peningkatan ini juga mencatatkan kadar yang lebih rendah berbanding kadar prapandemik iaitu 3.3 peratus yang direkodkan pada tahun 2019. Susulan itu, bilangan penganggur menurun sebanyak 3.5 peratus kepada 534.1 ribu orang (2023: 553.4 ribu orang).

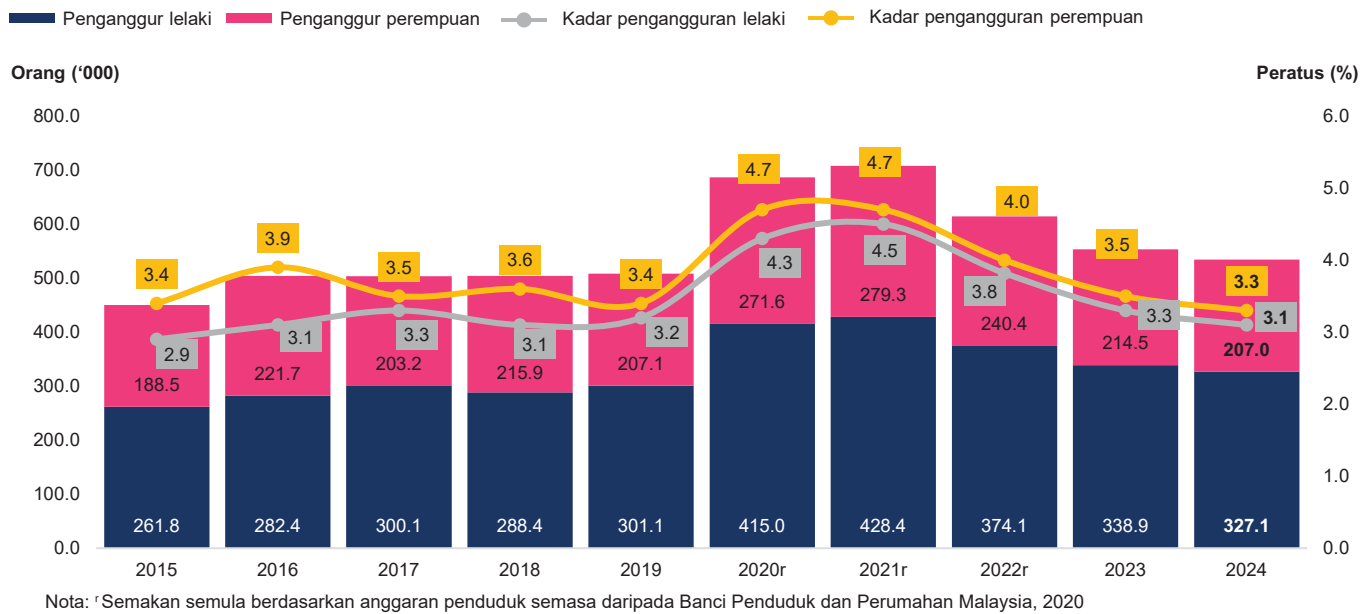
Dari segi kategori pengangguran, mereka yang bersedia untuk bekerja dan aktif mencari pekerjaan atau penganggur aktif, mewakili 76.5 peratus daripada jumlah penganggur. Kumpulan ini mencatatkan penurunan sebanyak 3.2 peratus, dengan jumlah keseluruhan seramai 408.8 ribu orang (2023: 422.4 ribu orang). Berdasarkan tempoh pengangguran, 62.8 peratus daripada penganggur aktif menganggur kurang daripada tiga bulan, manakala 6.3 peratus berada dalam pengangguran jangka panjang melebihi setahun. Sementara itu, penganggur tidak aktif, atau mereka yang percaya tiada pekerjaan tersedia, merekodkan penurunan kecil sebanyak 4.4 peratus, mencatatkan seramai 125.3 ribu orang (2023: 131.1 ribu orang) seperti ditunjukkan dalam **Carta 8**.

Carta 8: Kategori penganggur dan tempoh menganggur, Malaysia, 2023 dan 2024



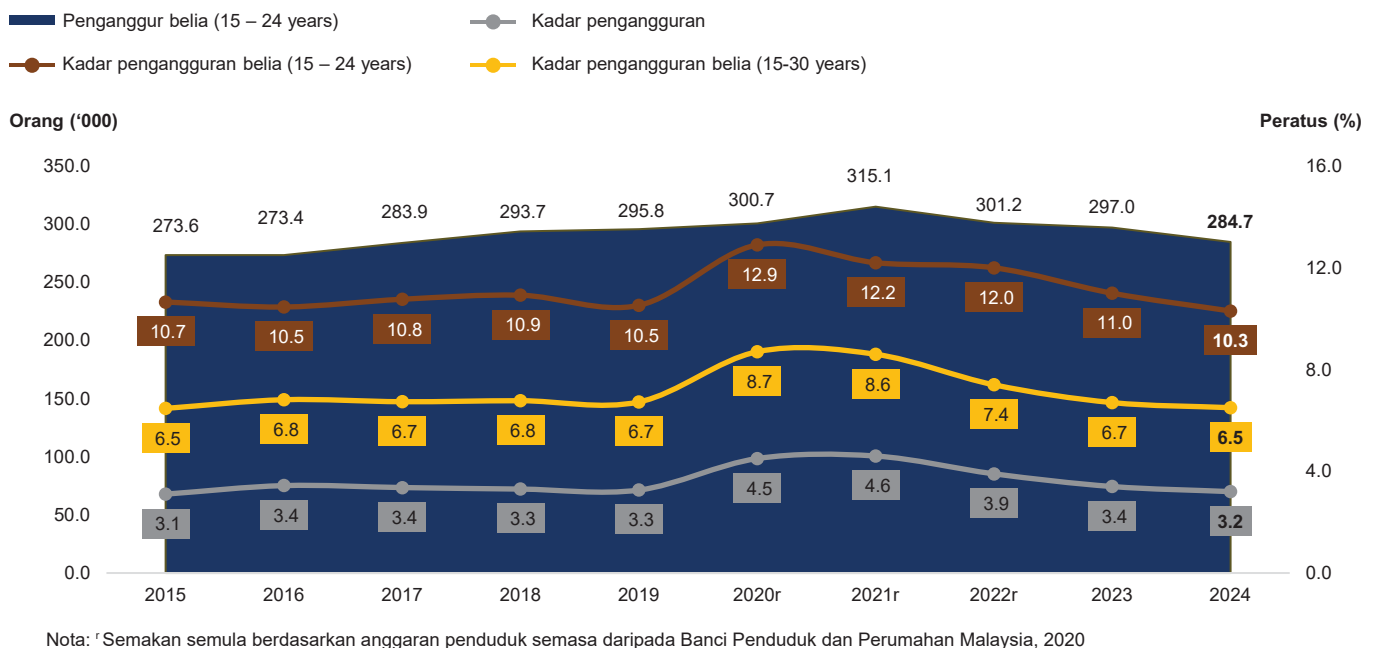
Perbandingan mengikut jantina, kadar pengangguran menurun sebanyak 0.2 mata peratus bagi kedua-dua lelaki dan perempuan, masing-masing kepada 3.1 peratus (2023: 3.3%) dan 3.3 peratus (2023: 3.5%). Selaras dengan itu, bilangan penganggur mencatatkan trend penurunan, iaitu penganggur lelaki menurun sebanyak 3.5 peratus kepada 327.1 ribu orang manakala penganggur perempuan berkurang sebanyak 7.5 peratus kepada 207.0 ribu orang (2023: 338.9 ribu orang; 214.5 ribu orang) [**Carta 9**].

Carta 9: Penganggur dan kadar pengangguran mengikut jantina, Malaysia, 2015 - 2024



Seperti yang ditunjukkan dalam **Carta 10**, kadar pengangguran bagi belia berumur 15 hingga 24 tahun merekodkan penurunan sebanyak 0.7 mata peratus kepada 10.3 peratus, mencatatkan bilangan belia menganggur seramai 284.7 ribu orang (2023: 11.0%; 297.0 ribu orang). Begitu juga, bilangan penganggur bagi belia berumur 15 hingga 30 tahun menurun sebanyak 6.5 peratus kepada 389.2 ribu orang (2023: 6.7%; 392.6 ribu orang). Selari dengan trend ini, kadar pengangguran bagi golongan dewasa berumur 25 hingga 64 tahun turut menurun sebanyak 0.1 mata peratus kepada 1.8 peratus, dengan 249.4 ribu penganggur (2023: 1.9%; 256.5 ribu orang).

Carta 10: Kadar pengangguran mengikut kumpulan umur terpilih, Malaysia, 2015 - 2024

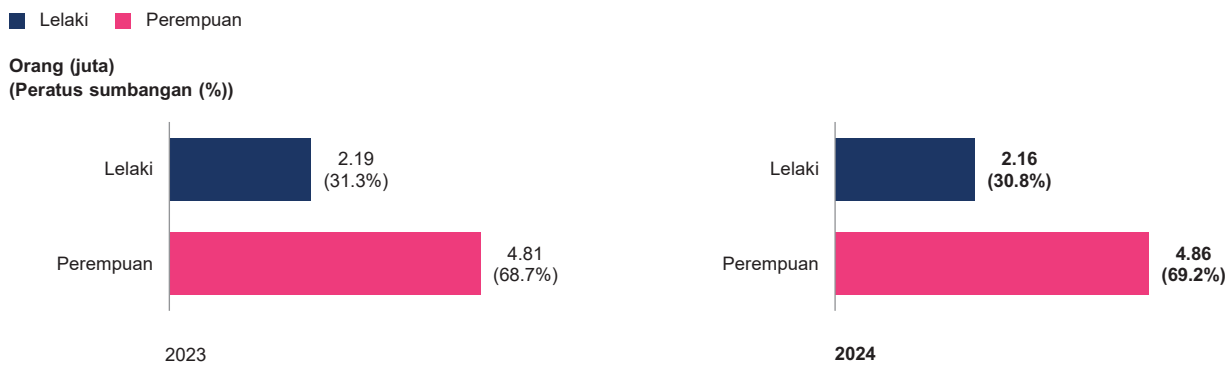


6. Luar tenaga buruh

Perempuan terus mendominasi komposisi penduduk di luar tenaga buruh

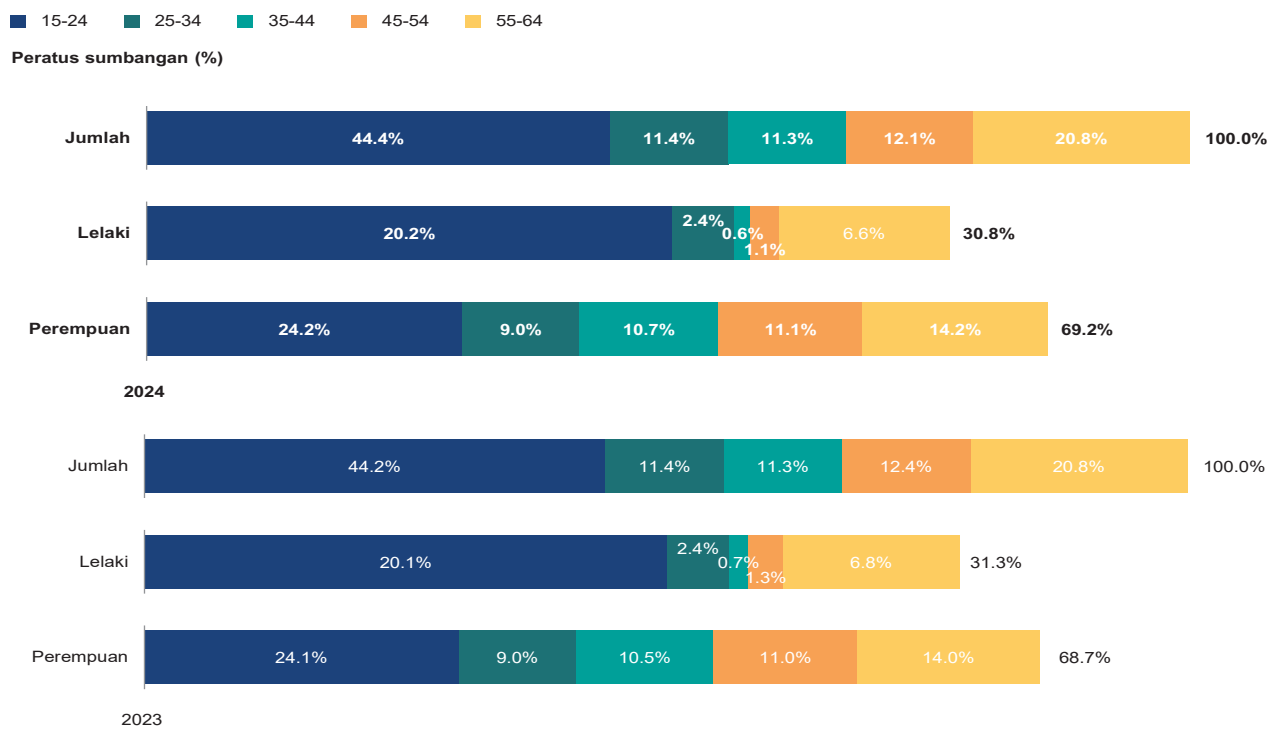
Berbeza dengan penurunan yang direkodkan pada tahun sebelumnya, bilangan penduduk di luar tenaga buruh pada tahun 2024 mencatatkan sedikit peningkatan sebanyak 0.4 peratus, pertambahan sebanyak 24.5 ribu orang kepada 7.02 juta orang (2023: 7.0 juta orang). Perempuan terus mendominasi komposisi penduduk di luar tenaga buruh, merangkumi 69.2 peratus daripada jumlah keseluruhan, manakala lelaki menyumbang lebih 30.8 peratus. Bilangan perempuan dalam kategori ini meningkat sebanyak 1.0 peratus kepada 4.86 juta orang berbanding 4.81 juta orang pada tahun 2023. Sebaliknya, bilangan lelaki dalam kategori ini menurun sebanyak 1.1 peratus, jatuh kepada 2.16 juta orang berbanding 2.19 juta orang pada tahun sebelumnya, seperti ditunjukkan dalam **Carta 11**.

Carta 11: Penduduk luar tenaga buruh mengikut jantina, Malaysia, 2023 dan 2024



Mengikut kumpulan umur, kumpulan 15 hingga 24 tahun kekal sebagai penyumbang terbesar dalam luar tenaga buruh (44.4%). Dalam kumpulan ini, perempuan merangkumi 24.2 peratus manakala lelaki menyumbang 20.2 peratus daripada jumlah keseluruhan, seperti ditunjukkan dalam **Carta 12**.

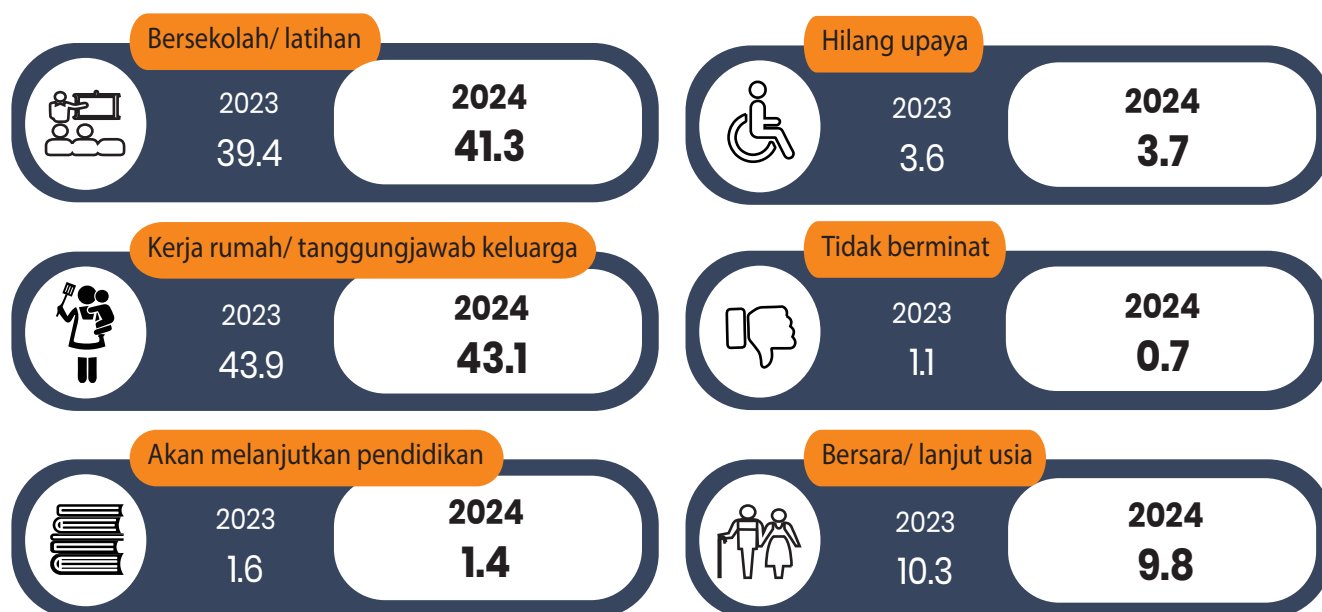
Carta 12: Penduduk luar tenaga buruh mengikut Kumpulan umur dan jantina, Malaysia, 2023 dan 2024



Sumbangan terbesar luar tenaga buruh disebabkan oleh kerja rumah/ tanggungjawab keluarga

Penyumbang terbesar luar tenaga buruh adalah kerja rumah/ tanggungjawab keluarga sebanyak 43.1 peratus, diikuti oleh kategori bersekolah/ latihan yang merangkumi 41.3 peratus, seperti ditunjukkan dalam **Paparan 4**.

Paparan 4: Peratus sumbangan penduduk luar tenaga buruh mengikut sebab tidak mencari pekerjaan, Malaysia, 2023 dan 2024

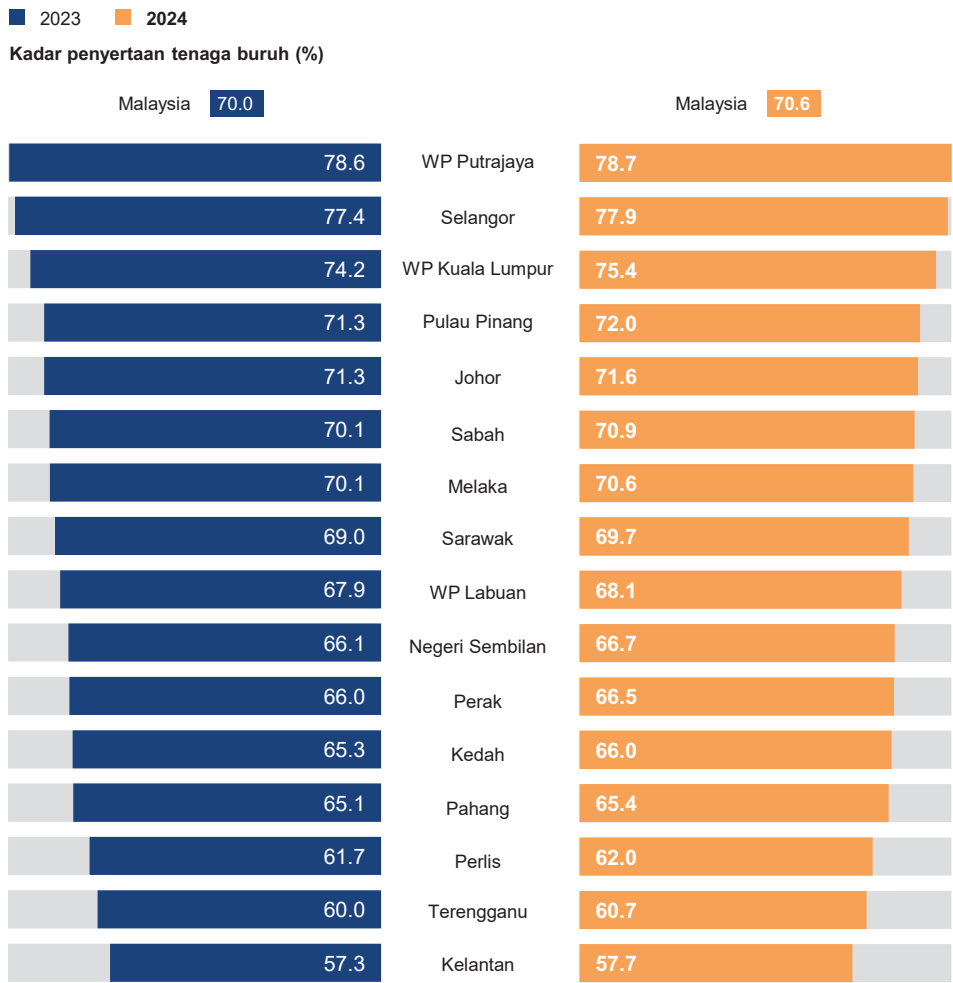


7. Indikator Terpilih Mengikut Negeri

KPTB, kadar pengangguran dan kadar guna tenaga mengikut kemahiran mengikut negeri

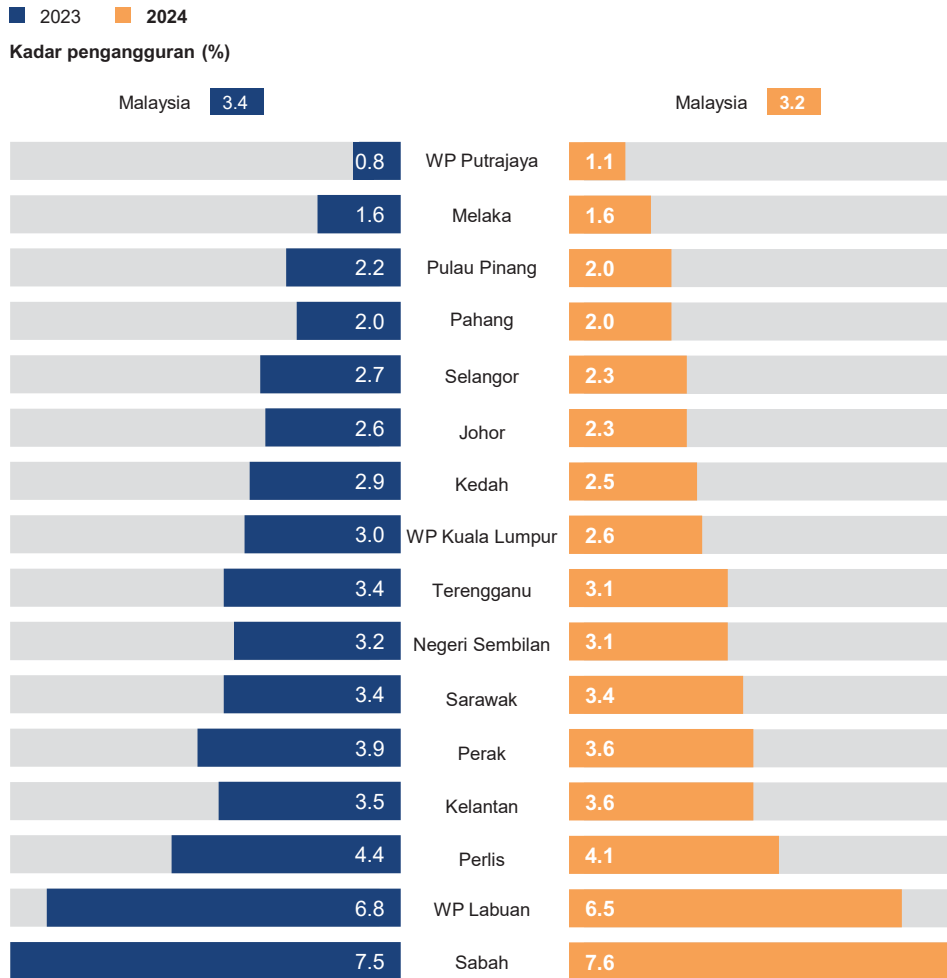
Semua negeri menunjukkan trend menaik dalam KPTB sepanjang tahun, menunjukkan peningkatan penyertaan dalam pasaran buruh. KPTB tertinggi direkodkan di W.P. Putrajaya iaitu 78.7 peratus, diikuti oleh Selangor (77.9%), W.P. Kuala Lumpur (75.4%), Pulau Pinang (72.0%), dan Johor (71.6%) seperti yang dipaparkan dalam **Carta 13**.

Carta 13: Kadar penyertaan tenaga buruh mengikut negeri, 2023 dan 2024



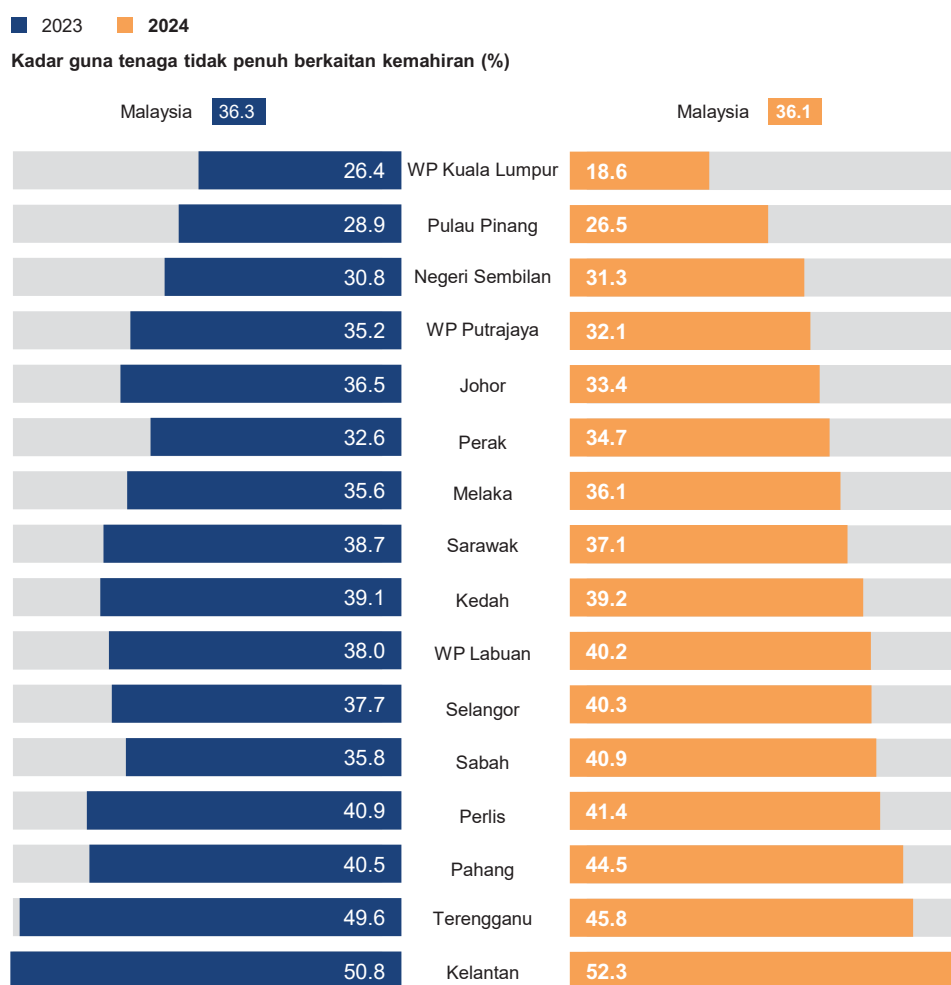
Dari segi kadar pengangguran, sepuluh negeri mencatatkan penurunan. W.P. Putrajaya mencatatkan kadar pengangguran terendah pada 1.1 peratus, diikuti oleh Melaka pada 1.6 peratus, serta Pahang dan Pulau Pinang masing-masing pada 2.0 peratus. Sebaliknya, enam negeri merekodkan kadar pengangguran yang melebihi paras nasional sebanyak 3.2 peratus, iaitu Sabah (7.6%), W.P.Labuan(6.5%),Perlis(4.1%),Kelantan(3.6%),Perak(3.6%)danSarawak(3.4%),sepertiyangdipaparkandi **Carta 14**.

Carta 14: Kadar pengangguran mengikut negeri, 2023 dan 2024



Selain itu, bagi kadar guna tenaga tidak penuh berkaitan kemahiran mengikut negeri, enam negeri mencatatkan kadar yang lebih rendah berbanding paras nasional pada 36.1 peratus. Negeri-negeri tersebut ialah W.P. Kuala Lumpur dengan kadar terendah sebanyak 18.6 peratus, diikuti oleh Pulau Pinang (26.5%), Negeri Sembilan (31.3%), W.P. Putrajaya (32.1%), Johor (33.4%) dan Perak (34.7%). Sebaliknya, Kelantan merekodkan kadar tertinggi sebanyak 52.3 peratus, diikuti oleh Terengganu (45.8%) dan Pahang (44.5%), seperti ditunjukkan dalam **Carta 15**.

Carta 15: Kadar guna tenaga tidak penuh berkaitan Kemahiran mengikut negeri, 2023 dan 2024



8. Menuju ke Hadapan

Ekonomi Malaysia pada 2024 berkembang lebih pesat, didorong oleh permintaan domestik yang kukuh dan pemulihan eksport yang disokong oleh aktiviti pelaburan yang berterusan dan perbelanjaan isi rumah yang berdaya tahan¹. Berdasarkan Keluaran Dalam Negeri Kasar (KDNK) Tahunan, ekonomi Malaysia berkembang sebanyak 5.1 peratus pada 2024, meningkat daripada 3.5 peratus setahun sebelumnya². Peningkatan ini terutamanya adalah disumbangkan oleh sektor Perkhidmatan dan Pembuatan. Walaupun berdepan halangan luaran yang berterusan, prospek ekonomi Malaysia akan terus disokong oleh permintaan domestik, pelaksanaan projek infrastruktur yang berterusan, pelaburan asing yang komited dan inisiatif pekerjaan oleh kerajaan. Tambahan lagi, permintaan domestik yang kukuh terus memacu pertumbuhan sejajar dengan kedudukan guna tenaga yang lebih baik.

Sejajar dengan perkembangan ini, pasaran buruh Malaysia menunjukkan prestasi yang stabil sepanjang tahun 2024. Kadar pengangguran kekal rendah, dengan penurunan bilangan penganggur, manakala guna tenaga terus berkembang dengan kukuh. Prestasi positif ini sebahagiannya adalah dipengaruhi oleh permintaan buruh yang mampan dalam pelbagai sektor, terutamanya dalam sektor swasta, yang mengalami peningkatan dalam peluang pekerjaan. Selain itu, peningkatan pelaburan dalam infrastruktur dan industri-industri utama turut menyumbang kepada penciptaan peluang pekerjaan. Pada masa yang sama, penggunaan domestik yang kukuh menyokong pertumbuhan perniagaan serta terus menggalakkan peningkatan paras guna tenaga. Tambahan pula, peningkatan pelaburan langsung asing (FDI) telah

⁶https://www.reuters.com/markets/asia/malaysias-economy-ends-2024-high-note-amid-strong-investment-domestic-spending-2025-02-14/?utm_source=chatgpt.com

⁷Annual Gross Domestic Product 2015 - 2024

mendorong lebih banyak syarikat multinasional untuk menubuhkan operasi di Malaysia, sekali gus memperkuat lagi prospek pekerjaan bagi tenaga kerja tempatan.

Memandang ke hadapan ke tahun 2025, ekonomi Malaysia dijangka menunjukkan pertumbuhan sederhana, dengan KDNK meningkat sebanyak 4.6 peratus, pada suku pertama tahun ini, disokong oleh perbelanjaan pengguna yang kukuh dan pertumbuhan berterusan dalam pelaburan³. Selain itu, peranan Malaysia sebagai Pengerusi ASEAN 2025 juga dijangka memberi pengaruh positif kepada pasaran buruh negara dengan memupuk peningkatan pelaburan, memajukan pembangunan luar bandar, kemahiran tenaga kerja, dan industri halal. Malaysia juga akan memberi tumpuan kepada pembangunan luar bandar melalui inisiatif seperti *ASEAN Village Network* (AVN), yang akan mempromosikan produk luar bandar di seluruh ASEAN, sekali gus mewujudkan peluang pekerjaan dan memperkasa pertumbuhan ekonomi di kawasan luar bandar.

Di samping itu, kerajaan telah mengambil beberapa inisiatif strategik untuk memastikan kestabilan pasaran buruh menjelang 2025, termasuk peruntukan sebanyak RM25.3 bilion kepada sektor pendidikan dan latihan vokasional untuk meningkatkan kebolehpasaran graduan dan langkah-langkah seperti skim persaraan mampan yang lebih strategik dan pengurusan gaji minimum yang diperkenalkan untuk meningkatkan kesejahteraan pekerja⁴. Fasa seterusnya melibatkan mempelbagaikan peluang pekerjaan melalui hubungan perdagangan yang lebih baik dengan negara lain, yang boleh membantu pasaran buruh Malaysia dengan mewujudkan peluang pekerjaan baharu bagi mereka yang terjejas dan menawarkan insentif kepada majikan untuk mengekalkan pekerja sedia ada dan mengambil pekerja baharu. Justeru, prospek ini mencerminkan prospek ini mencerminkan sokongan kepada kedudukan pasaran buruh negara yang optimistik, walaupun berdepan ketidakpastian ekonomi global.

³<https://www.nst.com.my/business/economy/2025/05/1216957/malaysias-q1-2025-gdp-grows-44pct-led-consumer-spending-and>

⁴<https://www.astroawani.com/berita-malaysia/ekonomi-malaysia-2025-dijangka-kukuh-ini-7-faktor-pemacu-pertumbuhan-508592>

1. Introduction

MALAYSIA'S LABOUR MARKET IN 2024 REMAINED STABLE, IN LINE WITH THE ECONOMIC EXPANSION, REFLECTED BY RISING IN EMPLOYMENT AND CONTINUED DECLINE IN THE UNEMPLOYMENT

The year 2024 emerged as a dynamic period for both the global and Malaysian economies, reflected by a combination of resilience, recovery, and continued adaptation to an evolving economic landscape. Although global economic growth remained moderate, which was estimated by the International Monetary Fund (IMF) at 3.2 per cent, it was constrained by persistent challenges including elevated inflation in the Services sector, complex monetary policy transitions, rising geopolitical tensions, and ongoing global trade uncertainties¹. Despite these external pressures, Malaysia sustained a positive economic momentum, underpinned by strong domestic demand, a recovering external sector, and the implementation of strategic policy measures. The performance of labour market reflected this economic stability, with consistent improvements observed throughout the year. The country benefitted from proactive government initiatives designated to bolster employment and stimulate business activity. Key contributors to this growth included robust tourism activities, expansion in the electrical and electronics (E&E) and semiconductor industries, as well as increasing foreign direct investments. These developments supported heightened labour demand across various sectors, resulting in higher employment levels and a reduction in the unemployment.

In early 2024, Malaysia's labour force demonstrated notable resilience, led by favourable economic condition and the recovery of key sectors. A major contributor to this trend was the increased participation of female in the labour force, surpassing pre-pandemic levels. This growth was facilitated by greater access to flexible working arrangements, enabled by digital transformation and technological advancements which allowed more individuals, particularly women with caregiving responsibilities, to participate in gainful employment.

The early month of the year also benefited from vibrant seasonal and cultural celebrations, particularly the holy month of Ramadan and Eid al-Fitr, which significantly boosted consumer activity and overall economic vibrancy. These festivities stimulated high demand for goods and services, especially within the food and beverage (F&B) industry, retail, hospitality, and informal sectors, leading to the creation of both temporary and permanent employment opportunities. Entrepreneurs, particularly those in Micro, Small, and Medium Enterprise (MSME), capitalised on the festive demand by introducing new products, establishing online platforms, and opening temporary stalls at bazaars, thereby contributing to business expansion and labour market growth. In addition, these economic and social factors contributed to encouraging and inclusive labour force performance in the first quarter of 2024.

Moreover, government-led initiatives including career fairs, skills development programs, and job matching platforms were implemented nationwide to address labour market needs and support job seekers. These efforts played a key role in bridging skills gaps, enhancing employability, and fostering inclusive participation in the workforce. The government's focus on strengthening the MSME sector through targeted budget allocations and regional engagement, such as Malaysia Fest 2024 in Singapore, further contributed to job creation and enterprise development².

The mid-year period witnessed increased investment in national development projects, with notable gains in sectors like Agriculture, Tourism, and Manufacturing. International exhibitions, including the Malaysia Agriculture, Horticulture, and Agrotourism (MAHA) Exhibition 2024, played an important role in promoting agro-based industries and facilitated the creation of 5,556 of job opportunities through platforms like Agro Job Fair³. Positive momentum continued into the second half of the year, supported by substantial foreign investments which most notably the establishment of a United States based semiconductor firm

¹ <https://www.thestar.com.my/business/business-news/2024/04/09/malaysia039s-labour-market-seen-remaining-stable-with-jobless-rate-at-32-in-2024>

² https://cbre-ww.com.my/wp-content/uploads/2024/08/1H-2024-Snapshot_Klang-Valley_Final-Clean.pdf

³ <https://www.utusan.com.my/pilihan-utusan/2024/09/5556-peluang-kerja-menant-belia-di-maha-2024/>

in Pulau Pinang, which generated 3,000 new jobs⁴ and the launch of large-scale digital economy projects valued RM254.7 billion aimed to create 159,000 jobs. Similarly, a RM30.1 billion investment in Kedah's semiconductor project further strengthened Malaysia's position within the high-technology manufacturing landscape⁵.

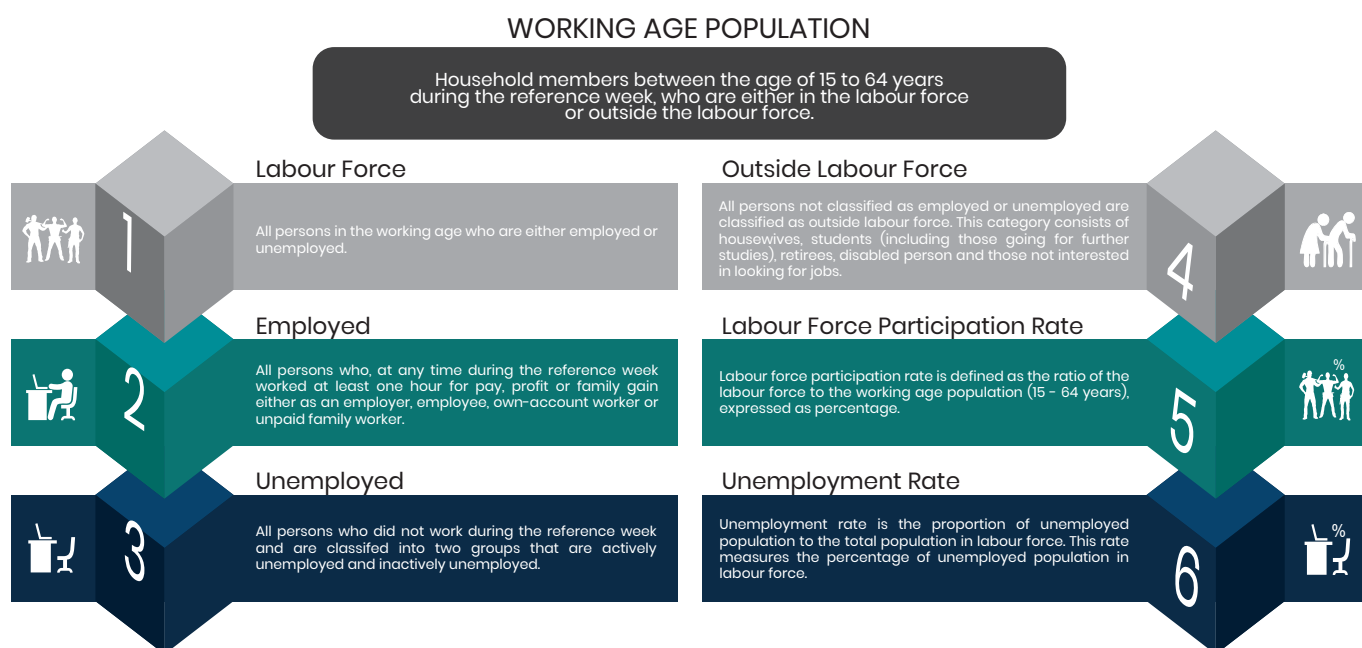
Towards the end of 2024, the nation encountered unforeseen natural disruptions, most notably severe flooding in the east coast states, which adversely affected the Agricultural sector and caused significant damage to local infrastructure. In response, the government acted promptly by implementing support mechanisms and urging employers to uphold workers' rights, thereby ensuring labour protections were maintained, particularly in flood-affected regions. At the same time, the festive seasons and year-end school holidays in December spurred a surge in retail and tourism activities, significantly increasing foot traffic in commercial areas and driving demand for labour in related service sectors. These seasonal factors, coupled with continued investment inflows and strong export performance, further contributed to employment growth and reinforced the resilience of Malaysia's labour market in the final quarter of the year. As a result, labour market conditions in 2024 remained stable, in line with the economic expansion, marked by rising in employment levels and a continued decline in the unemployment.

As an economic indicator, Malaysia's Leading Index (LI) showed encouraging signs of recovery in November 2024, increasing by 2.5 per cent year-on-year to 112.6 points and recording a month-on-month rebound of 1.1 per cent after experiencing three consecutive months of decline. Although the index remained slightly below the long-term trend line, this positive turnaround indicates growing economic confidence. The improvement was supported by strong domestic demand, strengthened better business sentiment, and a revival in global demand, particularly for high technology and semiconductor products, which are among Malaysia's key export drivers. These positive trends suggest a more optimistic economic outlook and signal the potential for increased job creation and further strengthening of the labour market moving into the year 2025.

⁴<https://www.bharian.com.my/amp/bisnes/korporat/2024/11/1322930/firma-dexcom-labur-rm283-bilion-buka-kilang-di-pulau-pinang>

⁵https://www.astroawani.com/berita-bisnes/pelbagai-perencanaan-strategik-lonjakkan-ekonomi-sepanjang-2024-pm-anwar-501690?utm_source=news_keyword_widget&utm_medium=data-embed&utm_campaign=20241231+News-Keyw-ekonomi+malaysia

2. Concept and Definition

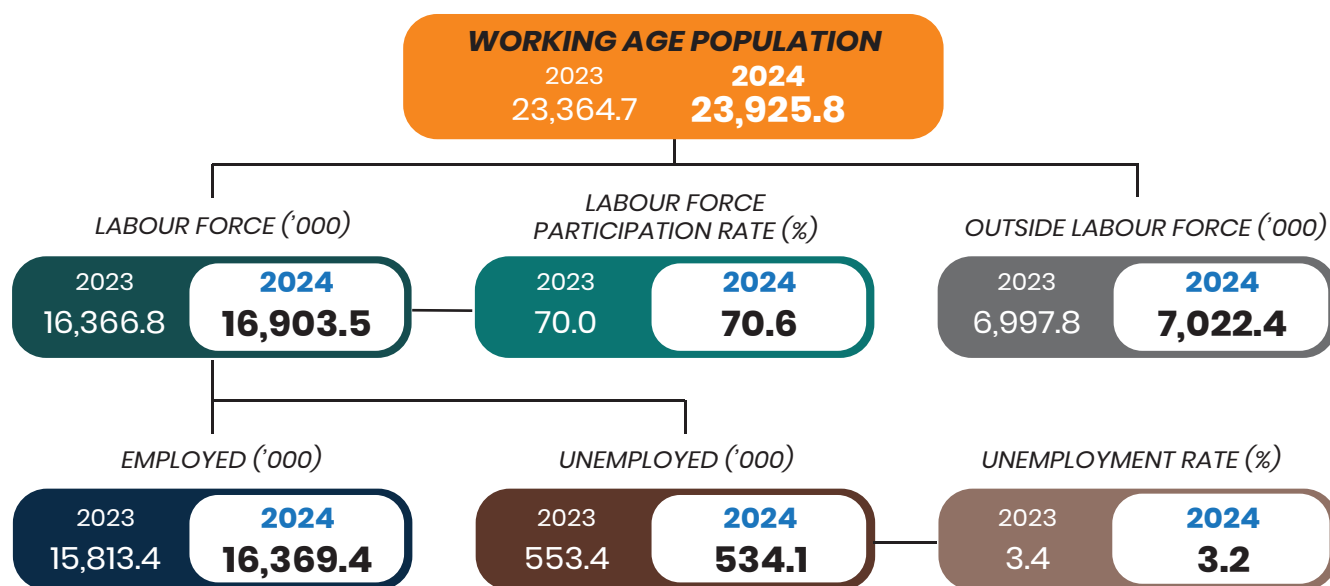


3. Labour Force

LFPR rose by 0.6 percentage points to a new high level of 70.6 per cent

Malaysia's labour force maintained its upward trajectory in 2024, registering a growth of 3.3 per cent, which corresponds to an increase of 536.6 thousand persons. Consequently, the total labour force expanded to 16.90 million persons, up from 16.37 million in 2023. Reflecting this positive trend, the labour force participation rate (LFPR) rose by 0.6 percentage points to a new high level of 70.6 per cent (2023: 70.0%), as illustrated in **Exhibit 1**.

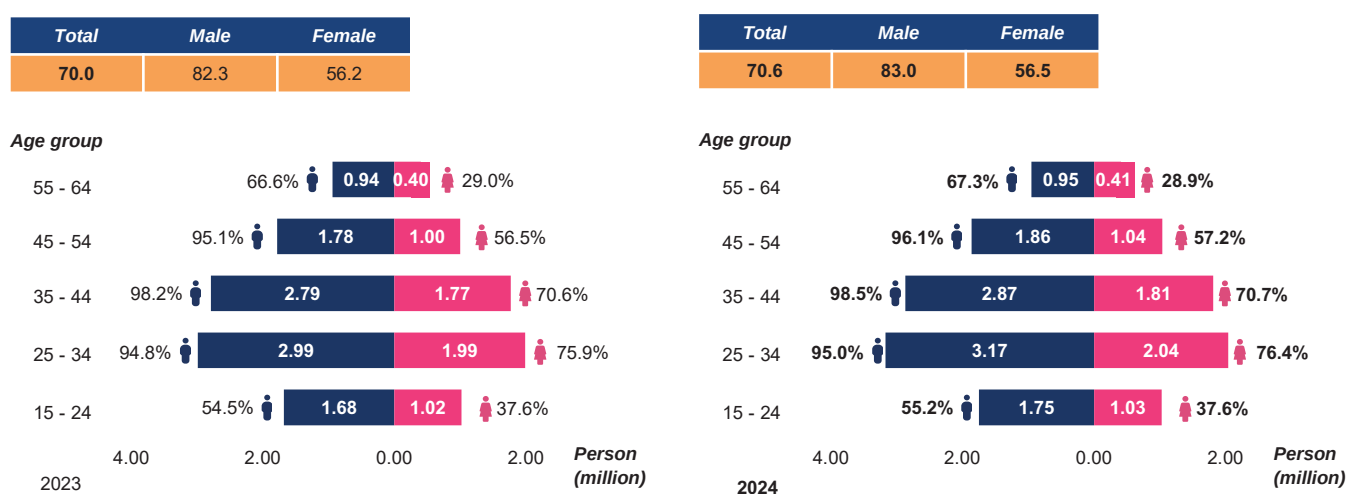
Exhibit 1: Principal statistics of labour force, Malaysia, 2023 and 2024



In 2024, the labour continued to show positive growth across both sexes. The male labour force expanded by 3.9 per cent, registering an increase of 395.6 thousand persons to reach 10.58 million persons (2023: 10.19 million persons). Similarly, the female labour force recorded a 2.3 per cent increase (+141.0 thousand persons), totalling 6.32 million persons. In line with this growth, the male LFPR increased by 0.7 percentage points to 83.0 per cent (2023: 82.3%), while the female LFPR edged up by 0.3 percentage points to 56.5 per cent (2023: 56.2%).

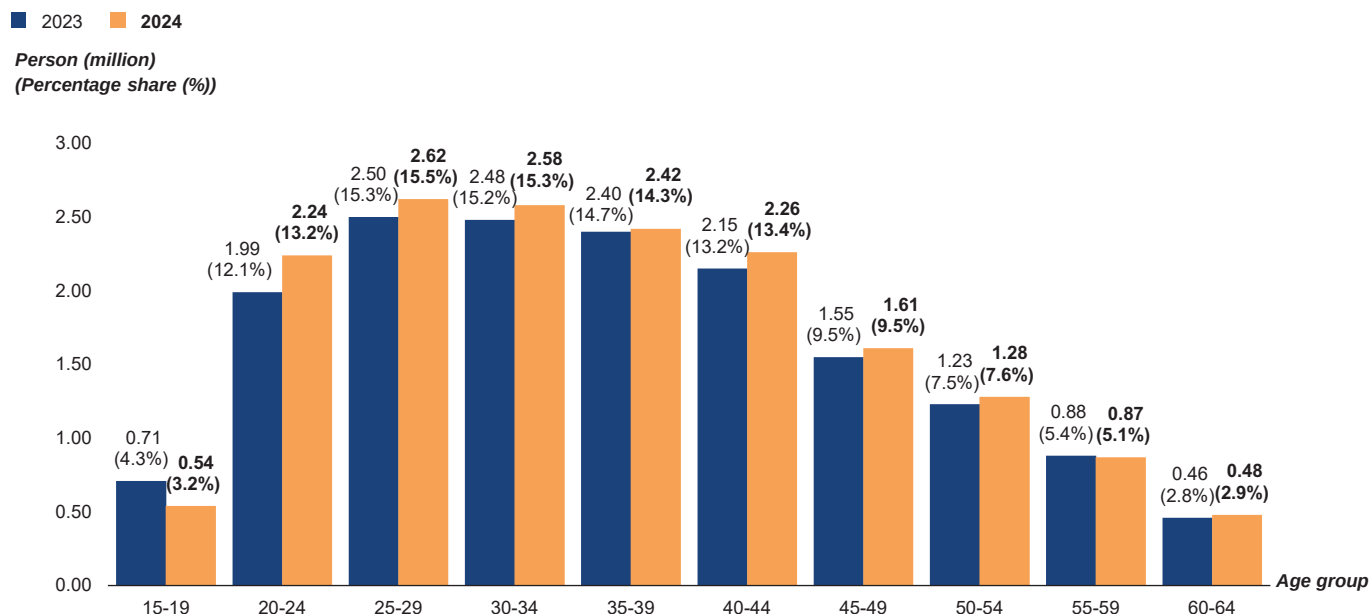
By age group, the aged 25 to 34 years recorded the highest LFPR at 86.7 per cent, while the 15 to 24 years group registered the lowest at 47.1 per cent. The 35 to 44 years group ranked second with an increase of 0.3 percentage points, reaching 85.5 per cent, followed by the 45 to 54 years group at 77.3 per cent. Meanwhile, analysing by sex, the highest male LFPR was observed among those aged 35 to 44 years, reaching 98.5 per cent. For females, the highest participation among the 25 to 34 years age group, where the rate increased by 0.5 percentage points to 76.4 per cent [Chart 1].

Chart 1: Labour force participation rate by sex and age group, Malaysia, 2023 and 2024



During the year, the age group of 25 to 29 years constituted the largest composition of the total labour force, comprising 15.5 per cent or 2.62 million persons, followed by age group 30 to 34 years at 15.3 per cent (2.58 million persons), and the 35 to 39 years at 14.3 per cent (2.42 million persons), as shown in Chart 2.

Chart 2: Labour force by age group, Malaysia, 2023 and 2024



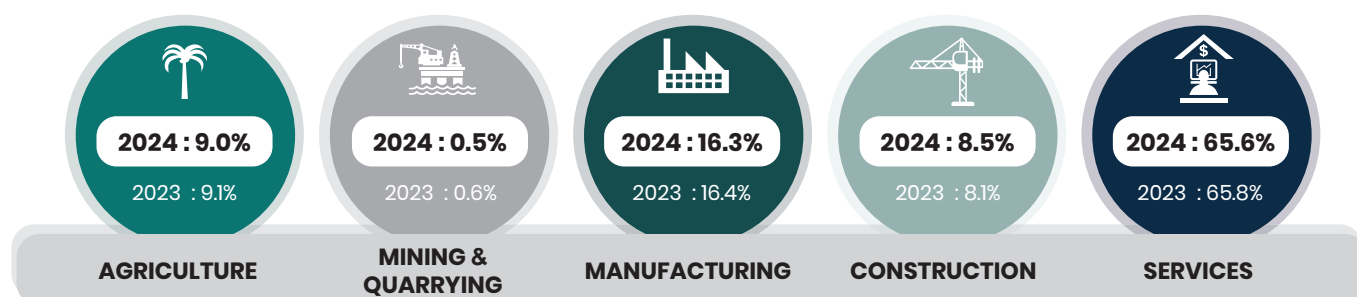
4. Employed Person

The number of employed persons continued to grow, reaching 16.37 million persons

In 2024, the number of employed persons grew by 3.5 per cent (+556.0 thousand persons), maintaining its upward trend to reach 16.37 million persons as compared to 15.81 million persons in the previous year. As a result, the employment-to-population ratio, an indicator of the ability of an economy to create employment, increased by 0.7 percentage points year-on-year, from 67.7 per cent to 68.4 per cent.

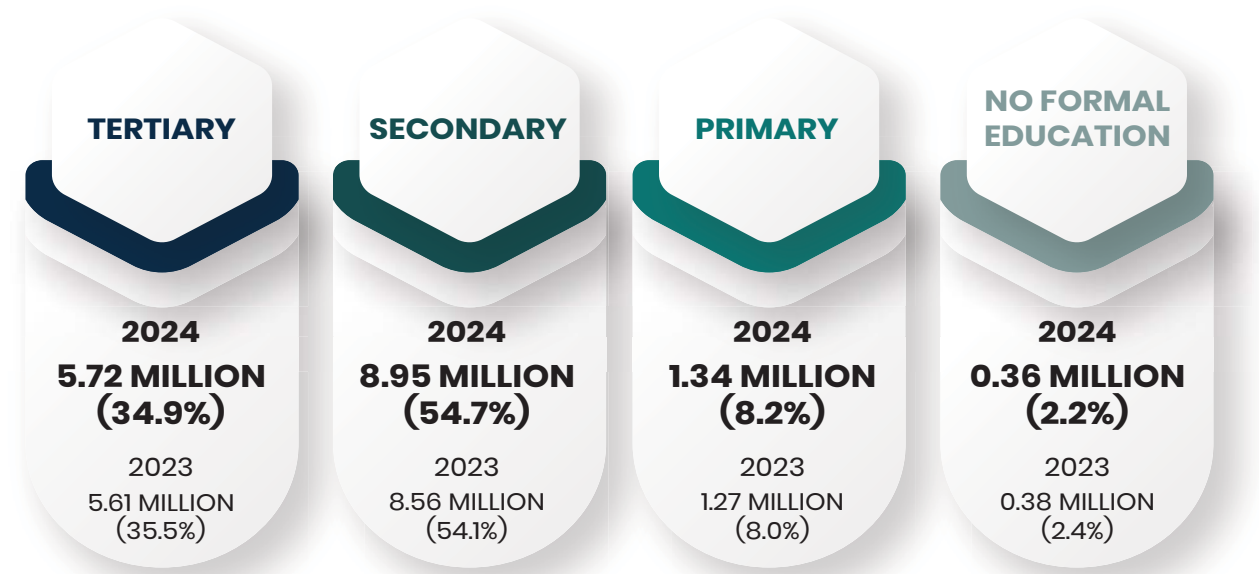
From sectoral perspective, employment remained dominant in the Services sector which continued its upward trend and comprised 65.6 per cent of the total employment. This was followed by the Manufacturing sector at 16.3 per cent and the Agriculture sector at 9.0 per cent. Additionally, the Construction sector accounted for 8.5 per cent of total employment, while the Mining & quarrying sector recorded the smallest share at 0.5 per cent, as shown in **Exhibit 2**.

Exhibit 2: Employed persons by sector, Malaysia, 2023 and 2024



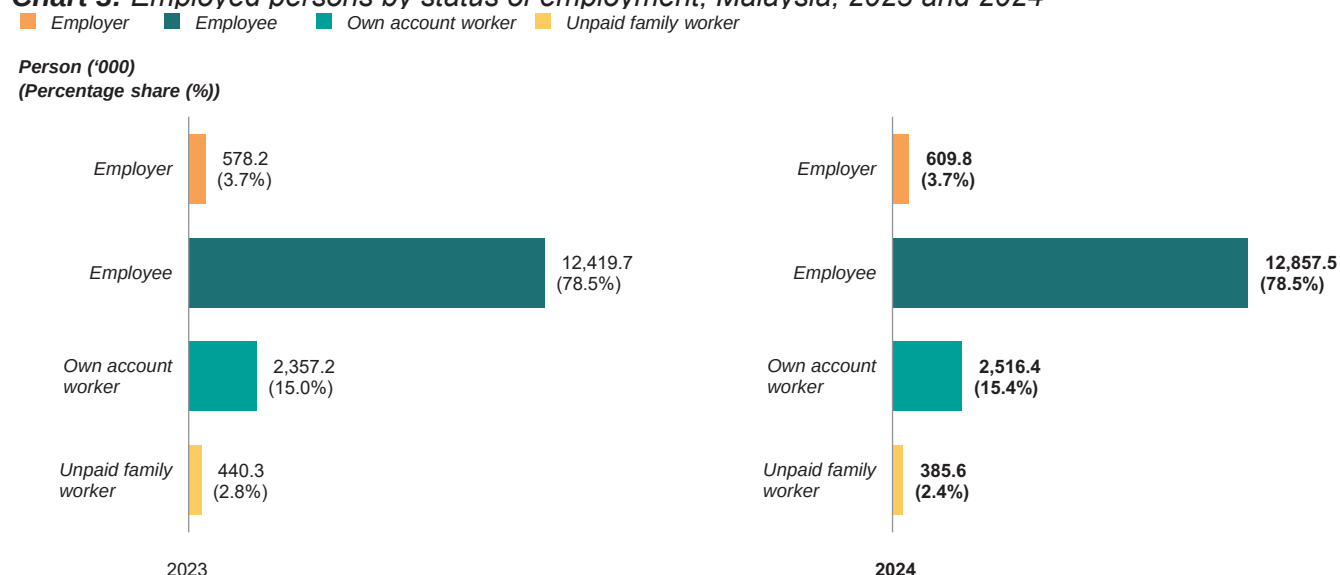
In terms of educational attainment, persons with secondary education comprised the largest share of the total employment in 2024, accounting for 54.7 per cent. This category increased by 4.6 per cent reaching a total of 8.95 million persons compared to 8.56 million persons in 2023. Meanwhile, those with tertiary education made up 34.9 per cent of the share of the total employed persons, rising by 1.9 per cent to 5.72 million persons from 5.61 million persons in the previous year. Employment among those with primary education represented 8.2 per cent, growing by 6.0 per cent to 1.34 million persons (2023: 1.27 million persons). Conversely, the number of employed persons with no formal education declined by 5.8 per cent registering 356.4 thousand persons, representing the remaining of 2.2 per cent (2023: 378.2 thousand persons) as shown in **Exhibit 3**.

Exhibit 3: Employed persons by educational attainment, Malaysia, 2023 and 2024



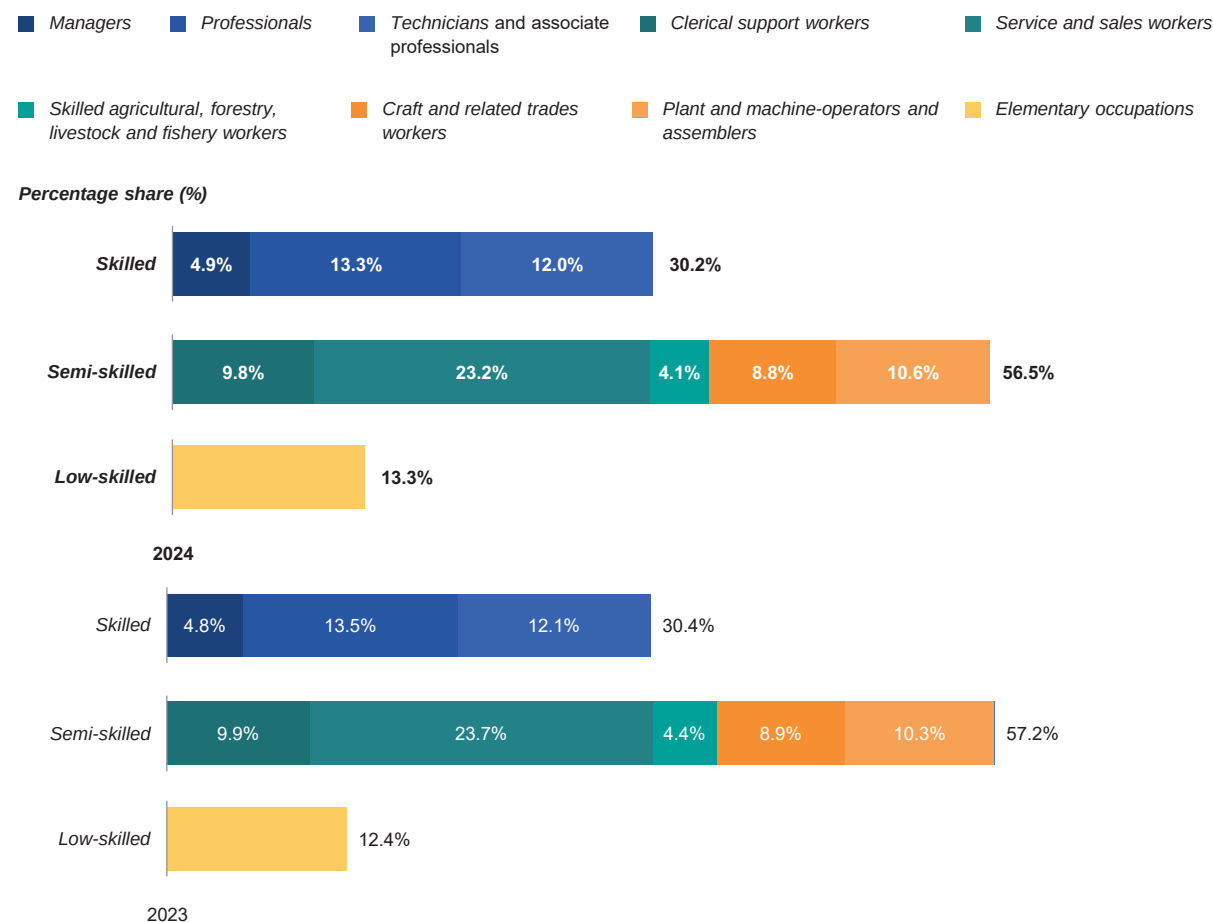
Based on employment status, the employees' category constituted the largest proportion of total employed persons in 2024, accounting for 78.5 per cent. This category grew by 3.5 per cent in year-on-year growth to record 12.86 million persons compared to 12.42 million persons in 2023. Own-account workers comprised 15.4 per cent of the total employment, increasing to 2.52 million persons (2023: 2.38 million persons). The employers' category made up 3.7 per cent of total employed persons also registering a growth of 5.5 per cent to 609.8 thousand persons (2023: 578.2 thousand persons). In contrast, the number of unpaid family workers, comprising 2.4 per cent of the total of employed persons, continued its downward trend, dropping by 12.4 per cent to 385.6 thousand persons, from 440.3 thousand persons in 2023, as illustrated in **Chart 3**.

Chart 3: Employed persons by status of employment, Malaysia, 2023 and 2024



In terms of skill level, the majority of employed persons were concentrated in semi-skilled occupations category, accounting for 56.5 per cent or 9.26 million persons. Skilled occupations represented 30.2 per cent (4.94 million persons), while low-skilled occupations made up the remaining 13.3 per cent (2.17 million persons). In terms of annual growth, employment in semi-skilled occupations continued to rise, increasing by 2.3 per cent as compared to 3.1 per cent in the prior year. Meanwhile, employment in low-skilled occupations saw a growth of 10.9 per cent (2023: 11.7%) whereas skilled occupations recorded a 2.8 per cent increase (2023: 4.0%), as shown in **Chart 4**.

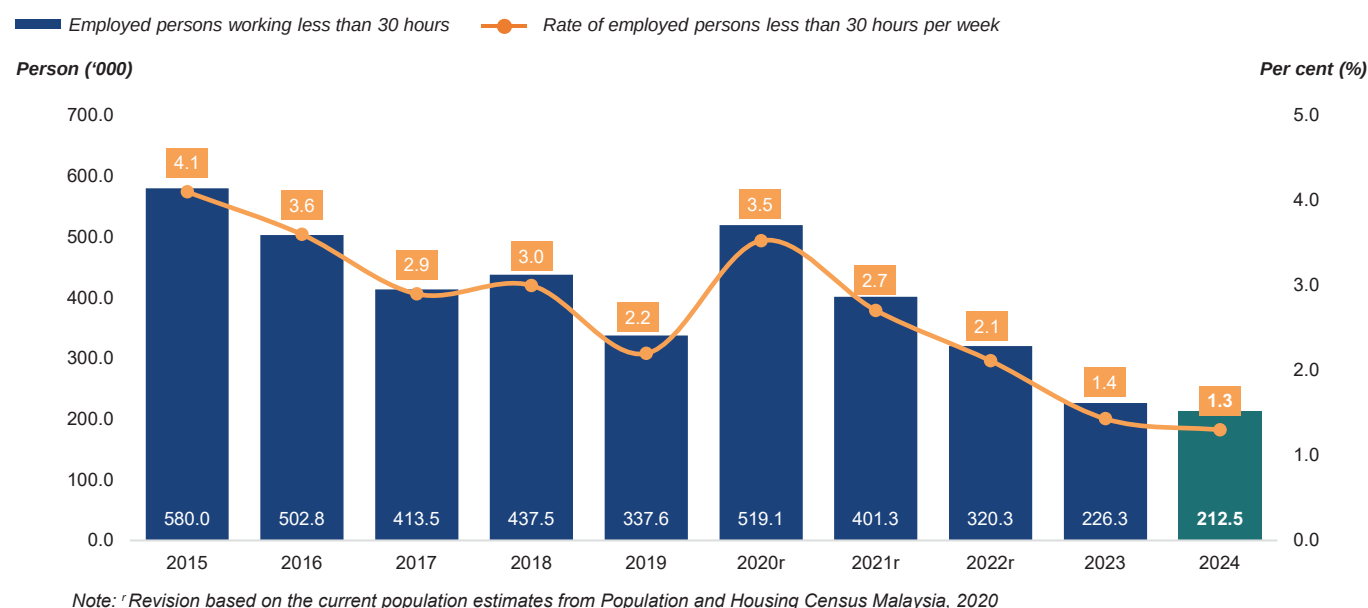
Chart 4: Employed persons by skill level, Malaysia, 2023 and 2024



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

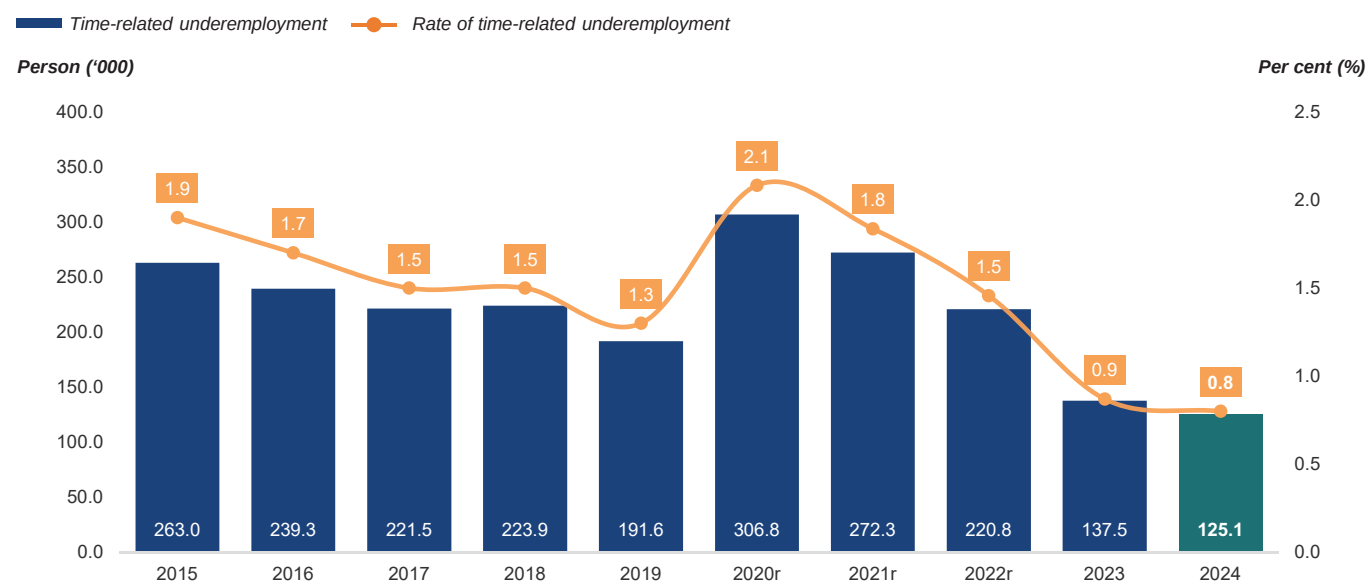
Employed persons working less than 30 hours per week refers to those who worked less than 30 hours during the reference week because of the nature of their work or due to insufficient work. As a review in 2024, Malaysia's economic performance remained strong, which led to a resilient labour market and contributing to an increase in overall employment. Therefore, the number of employed persons working less than 30 hours per week saw a decline notably by 6.1 per cent or equivalent to 13.8 thousand persons to record 212.5 thousand persons (2023: 226.3 thousand persons). This group represented 1.3 per cent of the total employment, representing a decrease of 0.1 percentage points from 1.4 per cent in the previous year as illustrated in **Chart 5**.

Chart 5: Employed persons working less than 30 hours per week, Malaysia, 2015 - 2024



Accordingly, the rate of time-related underemployment in 2024 recorded a slight decline of 0.1 percentage points, reaching 0.8 per cent (2023: 0.9%). This reflects a decrease of 9.1 per cent or 12.5 thousand persons, bringing the total to 125.1 thousand persons (2023: 137.5 thousand persons). Time-related underemployment refers to 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**].

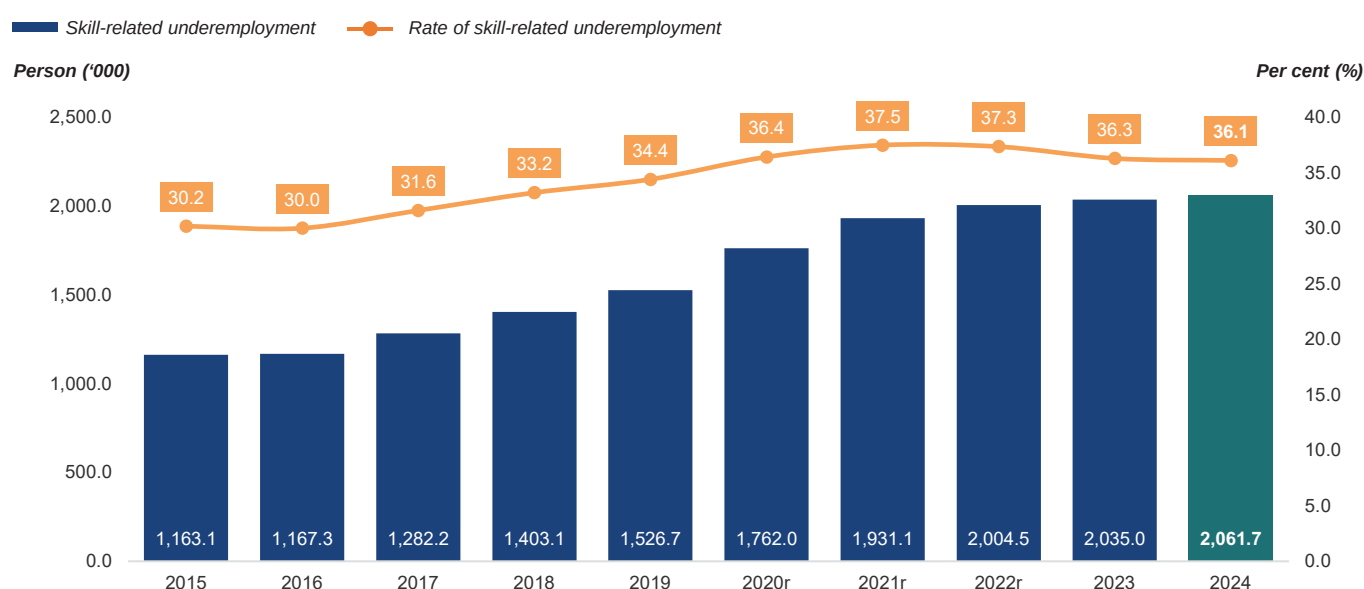
Chart 6: Time-related underemployment, Malaysia, 2015 - 2024



Note: 'r' Revision based on the current population estimates from Population and Housing Census Malaysia, 2020

Overeducation job mismatch typically refers to a situation in which persons are employed in positions that require lower skill levels than their educational qualifications. Thus, it is reflected through the indicator of skill-related underemployment, which measures the number of tertiary-educated persons working in the semi-skilled and low-skilled occupations. In 2024, the number of persons in skill-related underemployment increased by 1.3 per cent, with an additional of 26.8 thousand persons to reach the total of 2.06 million persons (2023: 2.03 million persons). Despite the rise in absolute numbers, the rate of skill-related underemployment continued to decline, falling by 0.2 percentage points to 36.1 per cent as compared to the previous year (2023: 36.3%), as shown in **Chart 7**.

Chart 7: Skilled-related underemployment, Malaysia, 2015 – 2024



Note: 'r' Revision based on the current population estimates from Population and Housing Census Malaysia, 2020

In line with the positive economic developments, the full resumption of economic and social activities encouraged greater participation in the labour market. Consequently, the number of employed persons who were temporarily not working registered a further reduction of 7.1 per cent, which is a decline of 5.2 thousand persons to 68.3 thousand persons in 2024 (2023: 73.5 thousand persons).

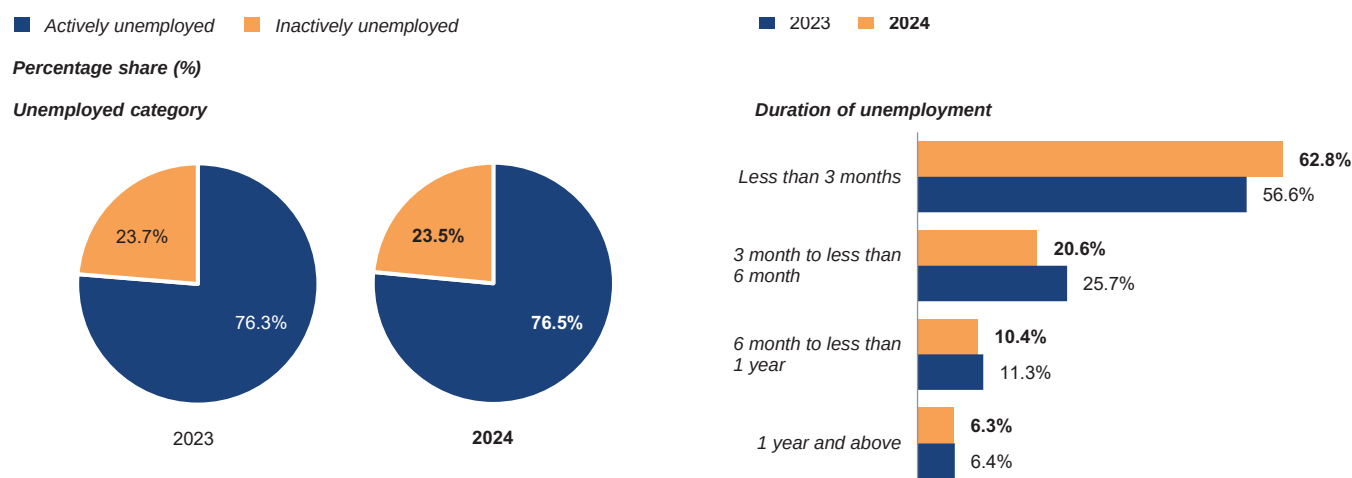
5. Unemployment

Unemployment rate in 2024 decreased further to 3.2 per cent

The unemployment rate in 2024 continued its downward trend, decreasing by 0.2 percentage points to 3.2 per cent, compared to 3.4 per cent in 2023. This improvement also reflects a rate lower than the pre-pandemic level of 3.3 per cent recorded in 2019. As a result, the number of unemployed persons declined by 3.5 per cent to 534.1 thousand persons (2023: 553.4 thousand persons).

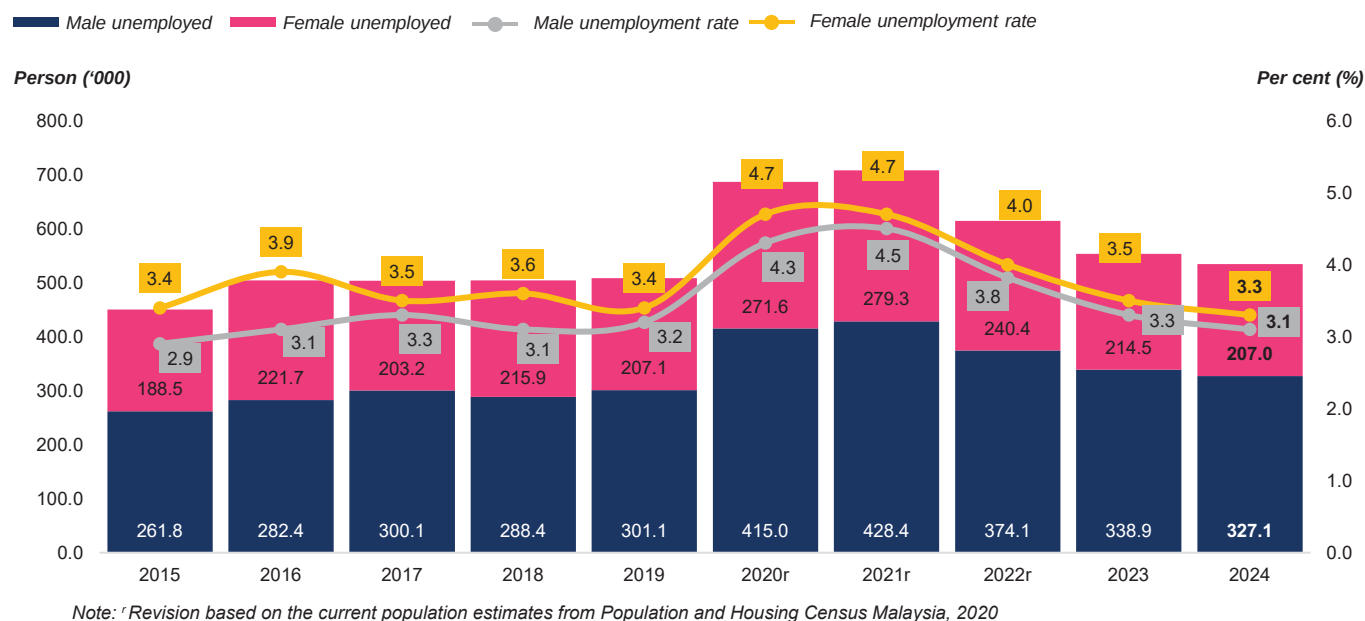
In terms of unemployment categories, those who were available for work and were actively seeking jobs or the actively unemployed, represented 76.5 per cent of total unemployed persons. This group saw a decline of 3.2 per cent, totalling 408.8 thousand persons (2023: 422.4 thousand persons). Based on duration of unemployment, 62.8 per cent of the actively unemployed were jobless for less than three months, while 6.3 per cent were in long-term unemployment lasting more than a year. Meanwhile, the inactively unemployed or those who believed that there were no jobs available, recorded a slight decrease of 4.4 per cent, registering 125.3 thousand persons (2023: 131.1 thousand persons) as exhibited in **Chart 8**.

Chart 8: Unemployed category and duration of unemployment, Malaysia, 2023 and 2024



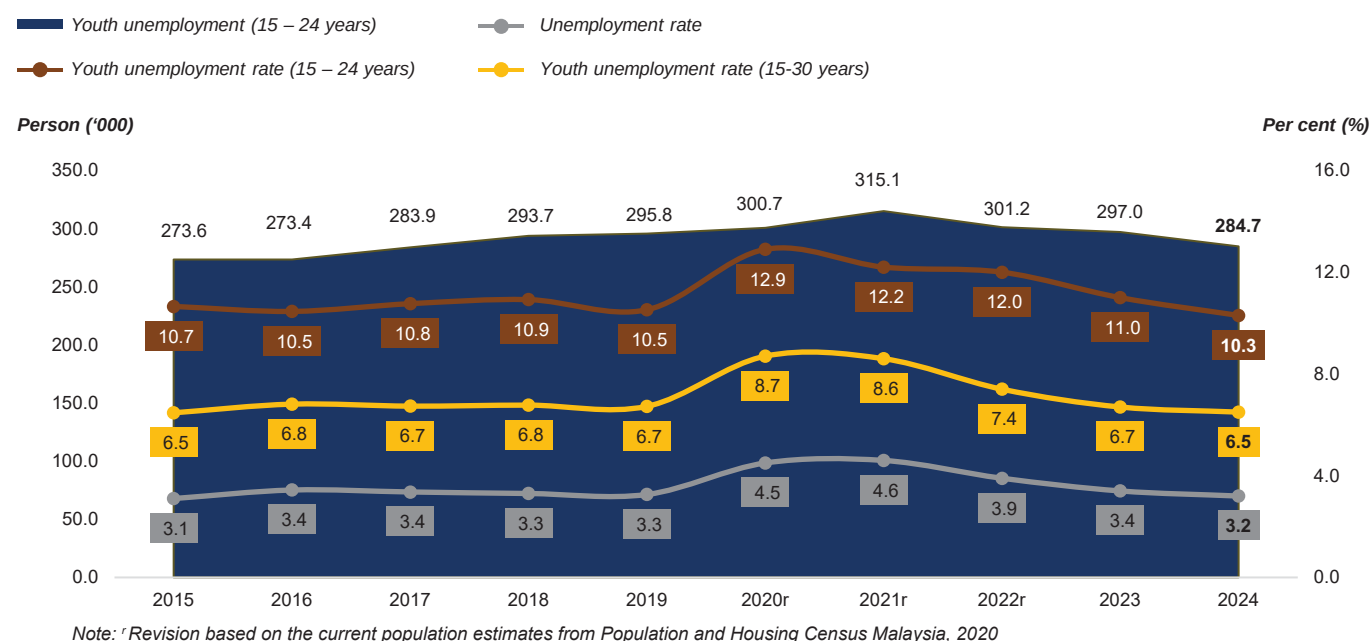
Comparing by sex, the unemployment rate declined by 0.2 percentage points for both males and females to 3.1 per cent (2023: 3.3%) and 3.3 per cent (2023: 3.5%), respectively. In line with this, the number of unemployed persons registered a decreasing trend which male downed by 3.5 per cent to 327.1 thousand persons and female dropped by 7.5 per cent to 207.0 thousand persons (2023: 338.9 thousand persons; 214.5 thousand persons) [**Chart 9**].

Chart 9: Unemployed and unemployment rate by sex, Malaysia, 2015 - 2024



As illustrated in **Chart 10**, the unemployment rate for youth aged 15 to 24 years declined by 0.7 percentage points to 10.3 per cent, registering 284.7 thousand unemployed youths (2023: 11.0%; 297.0 thousand persons). Similarly, youth aged 15 to 30 years edged down by 6.5 per cent, accounting for 389.2 thousand unemployment youths (2023: 6.7%; 392.6 thousand persons). Along the same line, the unemployment rate for adults aged 25 to 64 years also fell by 0.1 percentage points to 1.8 per cent, with 249.4 thousand unemployed persons (2023: 1.9%; 256.5 thousand persons).

Chart 10: Unemployment rate by selected age groups, Malaysia, 2015 - 2024



6. Outside Labour Force

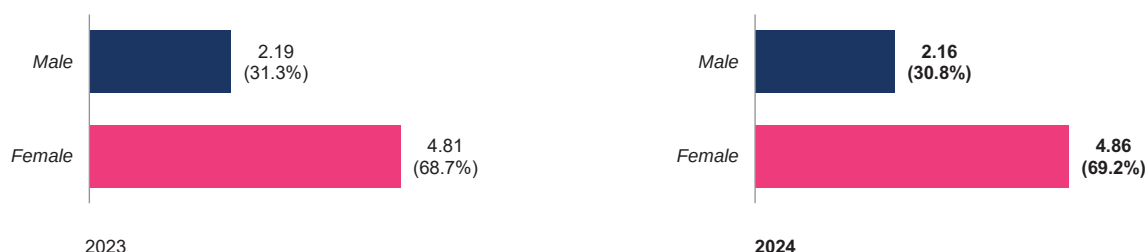
Females continued to dominate the outside labour force composition

In contrast to the decline recorded in the previous year, the number of persons outside the labour force in 2024 slightly increased by 0.4 per cent, rising by 24.5 thousand persons to a total of 7.02 million (2023: 7.0 million). Females continued to dominate the outside labour force composition, representing 69.2 per cent of the total, while males accounted for the remaining 30.8 per cent. The number of females in this category increased by 1.0 per cent to 4.86 million, up from 4.81 million in 2023. On the contrary, the number of males in this category declined by 1.1 per cent, falling to 2.16 million from 2.19 million in the previous year, as shown in **Chart 11**.

Chart 11: Population of outside labour force by sex, Malaysia, 2023 and 2024

■ Male ■ Female

Person (Million)
(Percentage share (%))

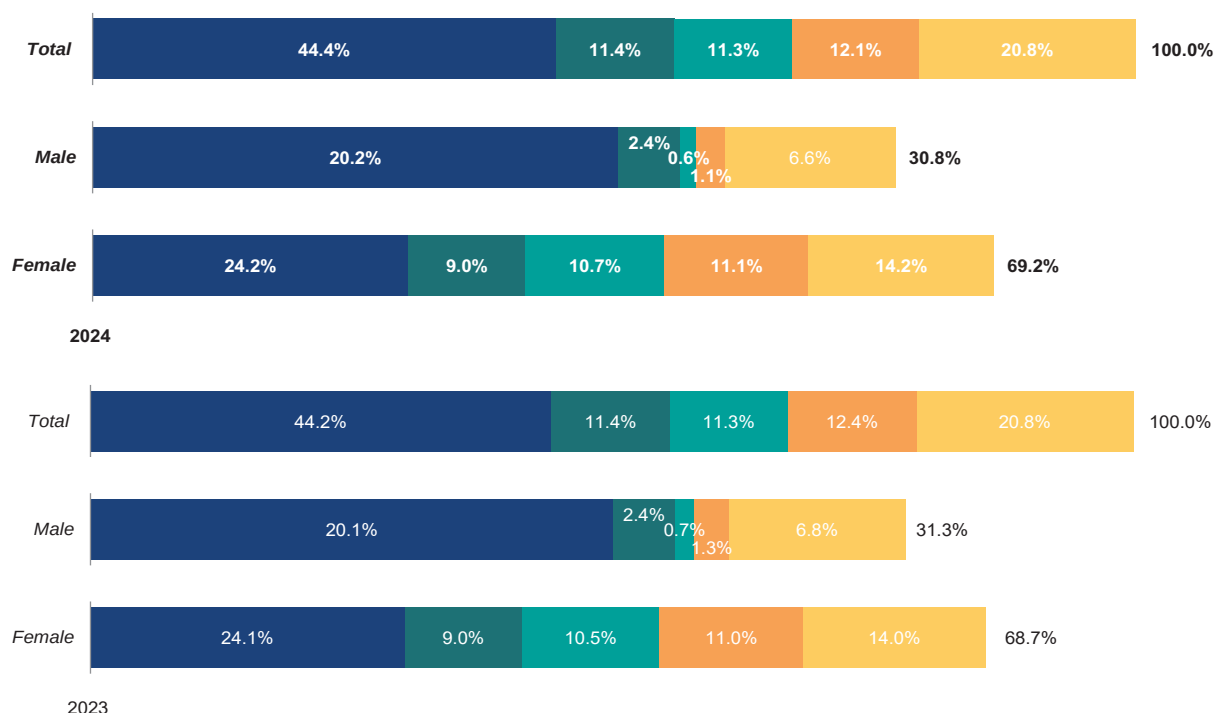


By age group, the 15 to 24 years group remained to represent the largest share of outside labour force accounting for 44.4 per cent. Within this group, females comprised 24.2 per cent and males constituted 20.2 per cent of the total, as shown in **Chart 12**.

Chart 12: Population of outside labour force by age group and sex, Malaysia, 2023 and 2024

■ 15-24 ■ 25-34 ■ 35-44 ■ 45-54 ■ 55-64

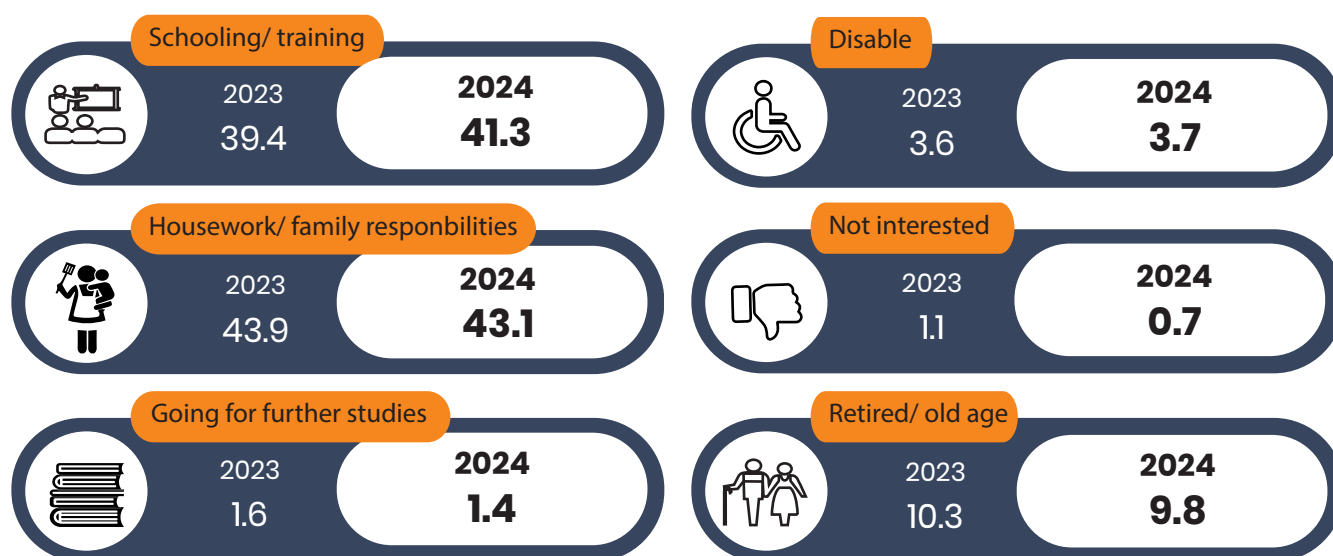
Percentage share (%)



The largest share of outside labour force was attributed to housework or family responsibilities

The largest share of outside labour force was attributed to housework or family responsibilities, accounting for 43.1 per cent, followed by those in the schooling or training category which comprised 41.3 per cent, as shown in **Exhibit 4**.

Exhibit 4: Share of outside labour force by reasons for not seeking work, Malaysia, 2023 and 2024

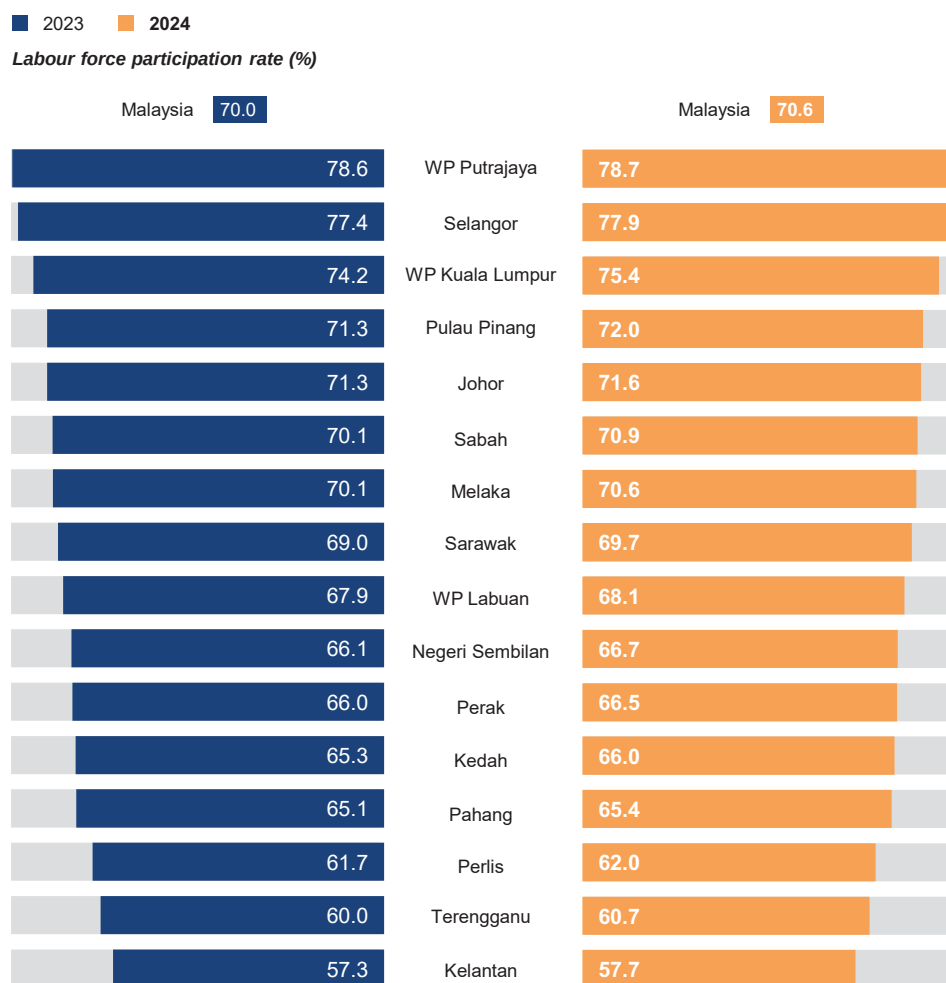


7. Selected Indicators by State

LFPR, unemployment rate and skill-related underemployment rate by state

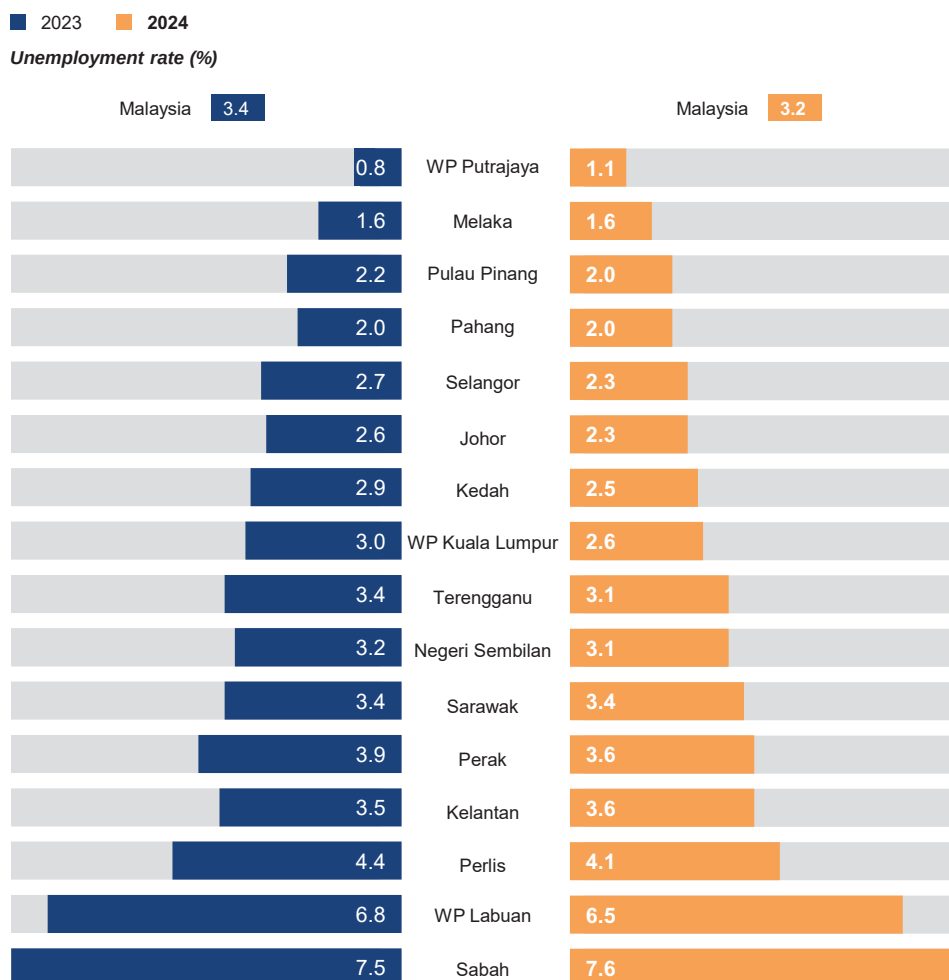
All states showed an upward trend in LFPR over the year, indicating increased participation in the labour market. The highest LFPR was recorded in W.P. Putrajaya at 78.7 per cent, followed by Selangor (77.9%), W.P. Kuala Lumpur (75.4%), Pulau Pinang (72.0%), and Johor (71.6%) as presented in **Chart 13**.

Chart 13: Labour force participation rate by state, 2023 and 2024



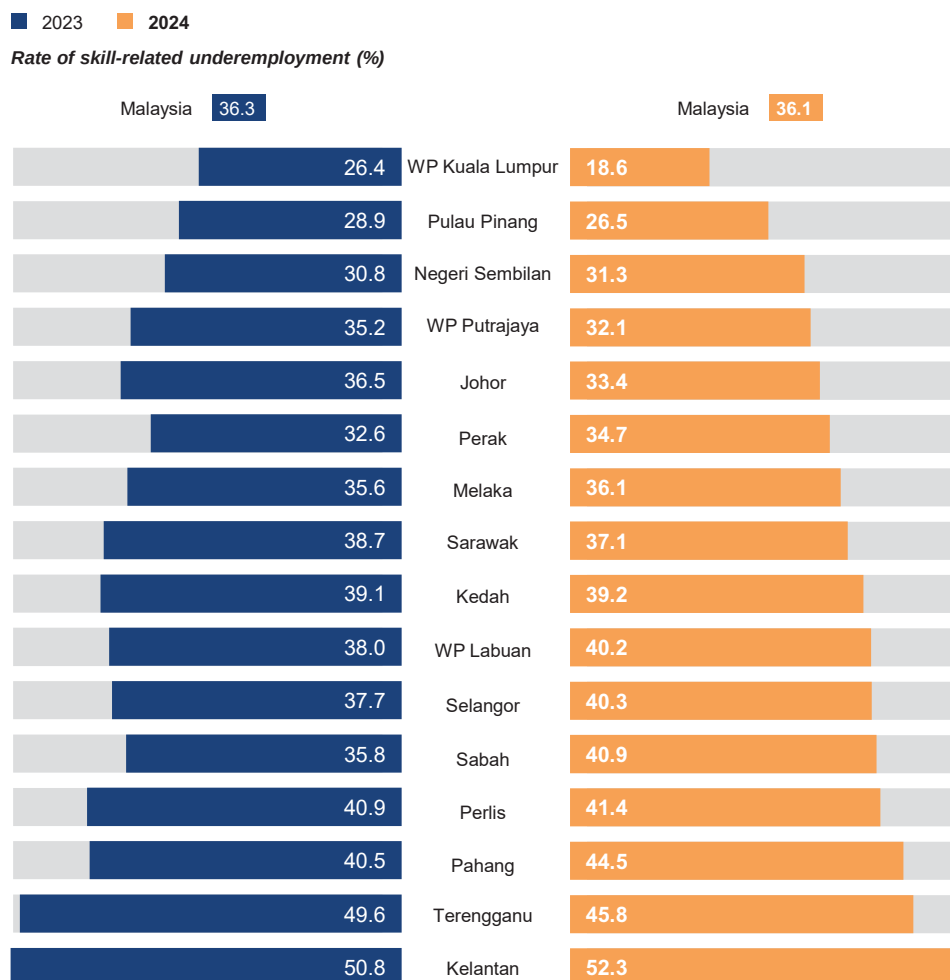
*In terms of unemployment rate, ten states registered a decline. W.P. Putrajaya posted the lowest unemployment rate at 1.1 per cent, followed by Melaka at 1.6 per cent, and both Pahang and Pulau Pinang at 2.0 per cent. In contrast, six states recorded unemployment rates exceeding the national level of 3.2 per cent, which are Sabah (7.6%), WP Labuan (6.5%), Perlis (4.1%), Kelantan (3.6%), Perak (3.6%) and Sarawak (3.4%), as illustrated in **Chart 14**.*

Chart 14: Unemployment rate by state, 2023 and 2024



In addition, as for the rate of skilled related underemployment by state, six states registered lower rates compared to the national level of 36.1 per cent. These states were W.P. Kuala Lumpur with the lowest rate at 18.6 per cent, followed by Pulau Pinang (26.5%), Negeri Sembilan (31.3%), W.P. Putrajaya (32.1%), Johor (33.4%), and Perak (34.7%). In contrast, Kelantan registered the highest rate at 52.3 per cent, with similarly high rates observed in Terengganu (45.8%) and Pahang (44.5%), as shown in **Chart 15**.

Chart 15: Skill-related underemployment rate by state, 2023 and 2024



8. Looking Ahead

Malaysia's economy in 2024 has expanded more rapidly, driven by strong domestic demand and a rebound in exports as it was fuelled by ongoing investment activities and resilient household spending⁶. Based on the Annual Gross Domestic Product (GDP), Malaysia's economy grew by 5.1 per cent in 2024, rising from 3.5 per cent a year before⁷. This improvement was primarily contributed by the Services and Manufacturing sector. Albeit an ongoing external headwind, the Malaysian economic outlook will continue to be underpinned by domestic demand, continuous implementation of infrastructure projects, further realisation of committed foreign investments and the governments's job initiatives. Furthermore, robust domestic demand has continued to drive growth in line with healthier employment conditions.

Aligned with these developments, Malaysia's labour force performed steadily throughout 2024. The unemployment rate remained low, with a decline in the number of unemployed, while employment continued to increase firmly. This positive performance was partly influenced by sustained labour demand across various sectors, particularly within the private sector, which experienced a rise in job opportunities.

Additionally, increased investment in infrastructure and other key industries also contributed to job creation. Meanwhile, strong domestic consumption supported business growth and further bolstered employment levels. Furthermore, the rise in foreign direct investment (FDI) has encouraged a greater number of multinational companies to establish operations in Malaysia, thereby further enhancing employment prospects for the local workforce.

⁶https://www.reuters.com/markets/asia/malaysias-economy-ends-2024-high-note-amid-strong-investment-domestic-spending-2025-02-14/?utm_source=chatgpt.com

⁷Annual Gross Domestic Product 2015 - 2024

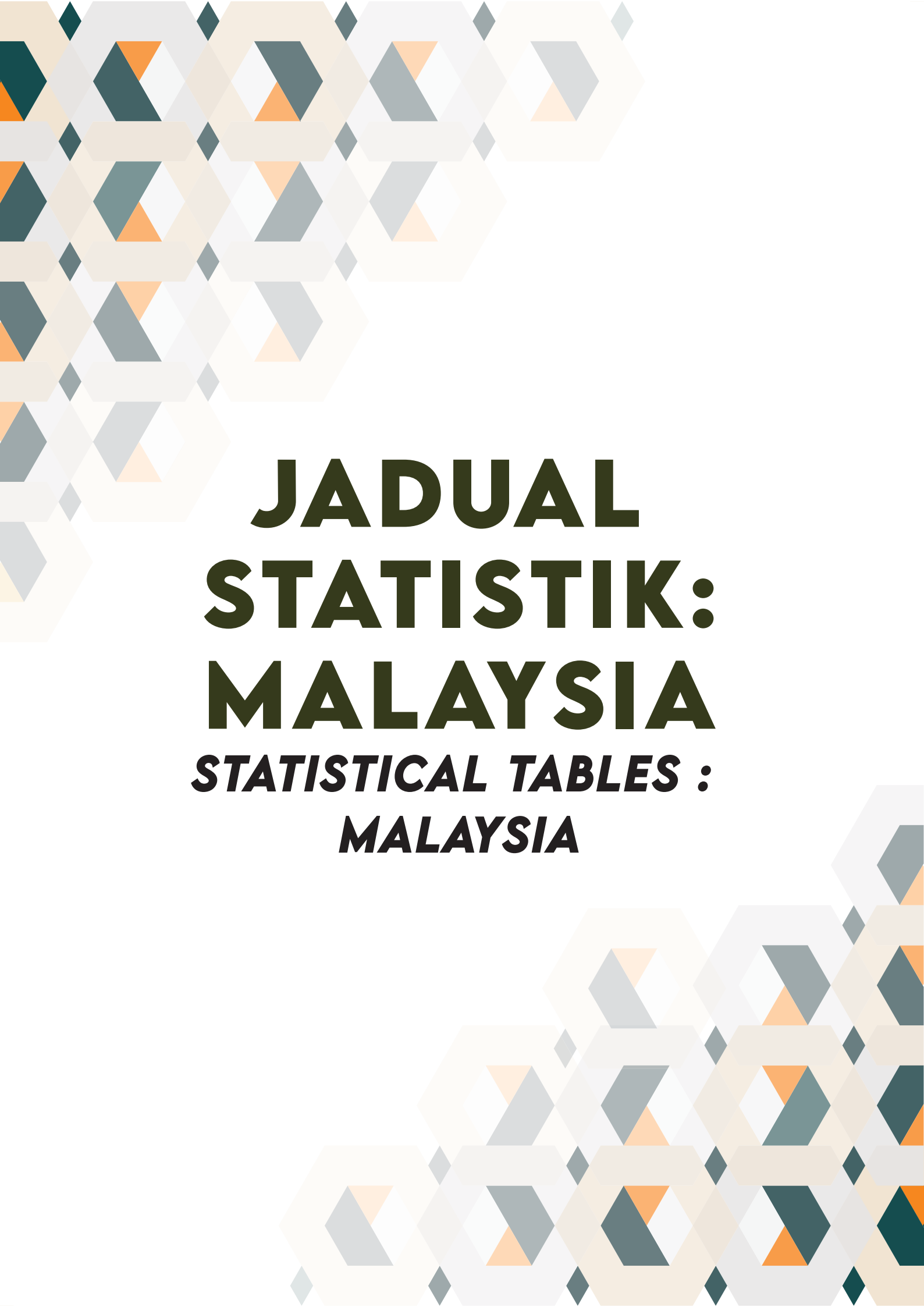
Looking ahead to 2025, Malaysia's economy is expected to portray moderate growth, with the GDP increased by 4.6 per cent in the first quarter of the year, supported by solid consumer spending and continued growth in investment⁸. In addition, the role of Malaysia as ASEAN Chairman 2025 is also anticipated to positively influence the country's labour market by fostering increased investment, advancing rural development, labour skills, and the halal industry. Malaysia will also focus on rural development through initiatives such as the ASEAN Villages Network (AVN), which promotes rural products across ASEAN, thereby generating employment and economic opportunities in rural areas.

Moreover, the government has taken several strategic initiatives to ensure the stability of the labour market by 2025, including an allocation of RM25.3 billion to the education and vocational training sectors to enhance the marketability of graduates and measures such as more strategic sustainable retirement schemes and minimum wage management introduced to enhance the well-being of workers⁹. The following phase involves diversifying employment opportunities through improved trade relations with other countries, which may help the Malaysian labour market by creating new job opportunities for those impacted and offering incentives to employers to retain current employees and hire new ones. Thus, this outlook reflects a contribution to an optimistic country's labour market condition, despite the global economic uncertainties.

⁸<https://www.nst.com.my/business/economy/2025/05/1216957/malaysias-q1-2025-gdp-grows-44pct-led-consumer-spending-and>

⁹<https://www.astroawani.com/berita-malaysia/ekonomi-malaysia-2025-dijangka-kukuh-ini-7-faktor-pemacu-pertumbuhan-508592>

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JADUAL STATISTIK: MALAYSIA

***STATISTICAL TABLES :
MALAYSIA***

Jadual A1.1: Kadar penyertaan tenaga buruh mengikut kumpulan umur, strata dan jantina, Malaysia, 2024
Table A1.1: Labour force participation rate by age group, strata and sex, Malaysia, 2024

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	70.6	83.0	56.5	72.1	83.9	58.9	66.2	80.5	48.8
15 - 19	19.6	25.2	13.4	20.6	27.4	13.1	16.8	19.0	14.5
20 - 24	70.8	80.0	59.6	70.5	82.7	56.0	71.5	72.4	70.4
25 - 29	86.2	91.9	78.9	87.0	91.9	80.7	84.0	91.6	73.7
30 - 34	87.2	98.2	73.8	89.2	98.5	78.4	80.4	97.3	56.0
35 - 39	84.7	98.9	68.6	86.6	99.0	73.0	77.8	98.2	51.3
40 - 44	86.4	98.1	73.1	89.1	98.4	79.0	76.5	97.3	49.1
45 - 49	79.8	97.4	60.7	81.1	97.6	63.4	75.4	96.9	50.7
50 - 54	74.3	94.4	53.3	75.7	94.7	56.1	69.3	93.7	44.1
55 - 59	59.1	83.3	35.1	59.5	85.1	34.1	58.1	77.8	37.9
60 - 64	36.0	49.8	22.1	34.5	46.6	22.3	40.5	59.7	21.4

Jadual A1.2: Kadar penyertaan tenaga buruh mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2024
Table A1.2: Labour force participation rate by age group and ethnic group, Malaysia, 2024

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	70.6	68.3	67.4	70.7	69.1	64.4	88.9
15 - 19	19.6	16.5	16.0	17.1	20.8	22.5	62.9
20 - 24	70.8	66.8	69.9	54.9	68.3	58.6	92.9
25 - 29	86.2	84.3	88.2	68.0	91.3	82.1	93.3
30 - 34	87.2	86.6	87.0	90.0	73.8	66.8	90.4
35 - 39	84.7	83.7	79.6	95.9	88.3	78.8	91.1
40 - 44	86.4	85.8	83.3	92.2	88.6	74.8	91.6
45 - 49	79.8	79.3	76.8	86.6	74.9	74.0	86.5
50 - 54	74.3	73.9	70.3	82.4	73.1	65.2	81.7
55 - 59	59.1	58.5	52.9	67.7	70.5	59.0	78.9
60 - 64	36.0	35.3	30.1	47.8	27.8	41.5	67.0

Jadual A1.3: Kadar penyertaan tenaga buruh mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2024
Table A1.3: Labour force participation rate by age group, ethnic group and sex, Malaysia, 2024

Kumpulan Umur Age Group	Warganegara Malaysia Malaysian citizens						Bukan warganegara Malaysia Non- Malaysian citizens
	Jumlah Total	Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Lelaki (%) Male	83.0	80.6	80.8	79.7	81.7	77.4	96.1
15 - 19	25.2	20.4	20.2	19.2	25.4	34.4	82.4
20 - 24	80.0	76.1	79.4	62.9	80.3	60.2	96.0
25 - 29	91.9	91.0	93.9	79.1	94.8	88.5	94.0
30 - 34	98.2	98.3	98.4	99.3	98.4	73.4	97.9
35 - 39	98.9	98.8	98.8	99.0	98.3	98.2	99.2
40 - 44	98.1	97.9	97.5	99.3	97.5	87.3	99.8
45 - 49	97.4	97.2	97.3	97.4	95.3	96.4	99.4
50 - 54	94.4	94.2	94.0	95.3	91.8	96.0	97.9
55 - 59	83.3	82.8	79.0	89.5	88.5	81.4	93.4
60 - 64	49.8	48.7	44.8	59.0	35.6	69.1	86.2
Perempuan Female	56.5	55.7	53.8	61.3	56.4	49.6	69.0
15 - 19	13.4	12.4	11.4	14.7	16.0	8.7	32.0
20 - 24	59.6	56.9	59.7	46.2	55.3	56.3	85.2
25 - 29	78.9	77.4	82.2	56.2	87.7	76.2	91.2
30 - 34	73.8	74.7	75.5	80.6	49.5	57.6	63.5
35 - 39	68.6	68.8	60.7	92.9	78.1	57.3	65.0
40 - 44	73.1	73.3	68.7	84.8	79.2	62.3	68.1
45 - 49	60.7	61.0	56.1	75.3	54.2	47.5	53.3
50 - 54	53.3	53.5	46.7	69.0	55.3	32.5	46.7
55 - 59	35.1	34.7	27.6	45.7	53.6	38.4	49.9
60 - 64	22.1	22.0	15.7	36.0	20.6	14.1	28.8

Jadual A1.4: Kadar penyertaan tenaga buruh mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2024
Table A1.4: Labour force participation rate by age group, ethnic group and strata, Malaysia, 2024

Kumpulan Umur Age Group	Warganegara Malaysia Malaysian citizens						Bukan warganegara Malaysia Non-Malaysian citizens
	Jumlah Total	Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Bandar (%) Urban	72.1	70.2	69.8	71.3	69.6	62.8	88.1
15 - 19	20.6	17.6	17.1	17.6	21.4	27.2	65.1
20 - 24	70.5	67.2	72.0	54.0	67.6	53.1	90.5
25 - 29	87.0	86.1	91.9	68.0	92.5	81.9	90.8
30 - 34	89.2	88.9	90.6	90.2	73.7	62.4	90.7
35 - 39	86.6	85.9	81.4	96.7	89.3	77.5	92.0
40 - 44	89.0	88.8	86.8	93.2	89.1	81.4	92.2
45 - 49	81.1	80.8	78.1	87.8	74.8	67.1	84.7
50 - 54	75.7	75.5	71.0	83.3	74.0	61.0	81.8
55 - 59	59.5	58.8	50.7	67.8	72.1	57.6	79.6
60 - 64	34.5	33.7	24.9	48.1	27.7	36.0	66.4
Luar bandar Rural	66.2	61.9	61.8	61.5	63.1	68.8	90.7
15 - 19	16.8	13.4	13.7	11.0	13.2	11.2	57.7
20 - 24	71.5	65.6	65.1	68.2	78.1	80.9	98.4
25 - 29	84.0	79.0	79.7	68.4	75.5	82.6	98.9
30 - 34	80.4	77.9	77.5	86.2	75.0	80.5	89.5
35 - 39	77.8	74.9	74.3	82.0	76.7	82.5	89.4
40 - 44	76.5	73.9	73.7	76.6	82.8	51.1	90.5
45 - 49	75.4	73.6	73.8	68.5	76.2	85.2	89.8
50 - 54	69.3	68.6	68.6	70.1	61.1	75.5	81.4
55 - 59	58.1	57.5	56.8	66.1	51.9	61.7	76.5
60 - 64	40.5	39.9	39.7	44.9	28.7	56.9	69.4

Jadual A1.5: Kadar penyertaan tenaga buruh mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2024
Table A1.5: Labour force participation rate by educational attainment, strata and sex, Malaysia, 2024

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>	70.6	83.0	56.5	72.1	83.9	58.9	66.2	80.5	48.8
Tiada pendidikan rasmi <i>No formal education</i>	60.0	74.6	43.4	60.8	75.1	44.6	58.8	73.8	41.6
Rendah <i>Primary</i>	68.2	89.6	40.2	63.1	86.4	36.7	74.2	93.0	45.2
Menengah <i>Secondary</i>	67.9	82.1	50.3	68.9	82.5	52.0	65.0	80.9	45.1
Tertiari <i>Tertiary</i>	77.0	83.7	70.9	79.1	86.4	72.2	64.7	66.8	62.9

Jadual A1.6: Kadar penyertaan tenaga buruh mengikut pencapaian pendidikan dan kumpulan etnik, Malaysia, 2024 Table A1.6: Labour force participation rate by educational attainment and ethnic group, Malaysia, 2024							
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>	70.6	68.3	67.4	70.7	69.1	64.4	88.9
Tiada pendidikan rasmi <i>No formal education</i>	60.0	37.4	39.8	23.7	35.4	50.8	83.3
Rendah <i>Primary</i>	68.2	53.2	56.5	45.4	46.0	52.0	90.4
Menengah <i>Secondary</i>	67.9	65.3	64.5	67.3	66.6	63.5	93.0
Tertiari <i>Tertiary</i>	77.0	77.2	76.1	79.5	79.6	73.5	71.8

Jadual A1.7: Kadar penyertaan tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2024

Table A1.7: Labour force participation rate by educational attainment, ethnic group and sex, Malaysia, 2024

Pencapaian pendidikan <i>Educational attainment</i>	Warganegara Malaysia <i>Malaysian citizens</i>						Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
	Jumlah <i>Total</i>	Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Lelaki (%) <i>Male</i>	83.0	80.6	80.8	79.7	81.7	77.4	96.1
Tiada pendidikan rasmi <i>No formal education</i>	74.6	49.0	52.6	24.8	48.5	71.3	95.2
Rendah <i>Primary</i>	89.6	80.7	85.4	71.3	65.4	70.0	98.4
Menengah <i>Secondary</i>	82.1	79.5	79.7	78.5	80.2	79.2	98.7
Tertiari <i>Tertiary</i>	83.7	84.0	83.8	83.5	88.6	79.2	77.6
Perempuan (%) <i>Female</i>	56.5	55.7	53.8	61.3	56.4	49.6	69.0
Tiada pendidikan rasmi <i>No formal education</i>	43.4	27.2	28.1	22.9	25.5	29.0	65.5
Rendah <i>Primary</i>	40.2	29.2	30.3	24.6	31.2	31.3	70.7
Menengah <i>Secondary</i>	50.3	49.2	47.2	54.7	51.9	47.8	72.6
Tertiari <i>Tertiary</i>	70.9	71.1	69.5	75.6	70.9	65.7	54.8

Jadual A1.8: Kadar penyertaan tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2024

Table A1.8: Labour force participation rate by educational attainment, ethnic group and strata, Malaysia, 2024

Pencapaian pendidikan <i>Educational attainment</i>	Warganegara Malaysia <i>Malaysian citizens</i>						Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
	Jumlah <i>Total</i>	Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Bandar (%) <i>Urban</i>	72.1	70.2	69.8	71.3	69.6	62.8	88.1
Tiada pendidikan rasmi <i>No formal education</i>	60.8	31.3	34.2	21.3	34.1	44.7	84.9
Rendah <i>Primary</i>	63.1	46.7	48.5	44.8	45.8	34.5	89.5
Menengah <i>Secondary</i>	68.9	66.4	65.9	67.7	66.7	63.8	92.9
Tertiari <i>Tertiary</i>	79.1	79.4	79.2	79.8	80.1	72.9	71.2
Luar Bandar (%) <i>Rural</i>	66.2	61.9	61.8	61.5	63.1	68.8	90.7
Tiada pendidikan rasmi <i>No formal education</i>	58.8	44.4	44.4	40.4	41.3	54.9	80.0
Rendah <i>Primary</i>	74.2	61.6	62.9	48.8	47.0	83.0	91.4
Menengah <i>Secondary</i>	65.0	61.9	61.7	63.1	66.0	63.0	93.4
Tertiari <i>Tertiary</i>	64.7	64.5	64.2	67.6	68.2	78.6	85.3

Jadual A1.9: Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperolehi, strata dan jantina, Malaysia, 2024
Table A1.9: Labour force participation rate by highest certificate obtained, strata and sex, Malaysia, 2024

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	70.6	83.0	56.5	72.1	83.9	58.9	66.2	80.5	48.8
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	54.2	72.4	30.0	48.5	66.7	26.1	63.6	80.9	37.1
PT3/PMR/SRP/LCE/ SRA atau yang setaraf PT3/PMR/SRP/LCE/ SRA or equivalent	45.4	61.2	25.1	42.9	58.0	24.2	50.9	67.8	27.2
SPM atau yang setaraf SPM or equivalent	73.9	88.7	56.7	75.3	89.9	58.2	69.5	84.8	51.7
STPM atau yang setaraf STPM or equivalent	64.6	76.6	56.1	66.7	80.2	57.3	56.7	63.6	51.5
Sijil Certificate	89.8	93.2	82.7	91.4	94.6	85.0	82.7	87.5	71.9
Diploma	82.9	88.1	78.0	83.8	89.3	78.7	76.8	80.3	73.5
Ijazah Degree	90.3	93.7	87.0	90.7	94.0	87.4	86.0	89.7	83.4
Tiada sijil No certificate	66.3	85.0	40.9	61.3	79.7	38.4	72.5	91.3	44.2
Tidak berkenaan Not applicable	59.9	74.6	43.2	60.7	75.1	44.4	58.7	73.8	41.5

Jadual A1.10: Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh dan kumpulan etnik, Malaysia, 2024
Table A1.10: Labour force participation rate by highest certificate obtained and ethnic group, Malaysia, 2024

Sijil tertinggi diperoleh Highest certificate obtained	Warganegara Malaysia Malaysian citizens						Bukan warganegara Malaysia Non-Malaysian citizens
	Jumlah Total	Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah (%) Total	70.6	68.3	67.4	70.7	69.1	64.4	88.9
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	54.2	42.7	42.6	43.6	40.1	46.5	90.8
PT3/PMR/SRP/LCE/SRA atau yang setaraf PT3/PMR/SRP/LCE/SRA or equivalent	45.4	37.5	35.5	40.6	43.6	50.8	92.0
SPM atau yang setaraf SPM or equivalent	73.9	72.4	71.5	74.7	75.8	66.7	92.4
STPM atau yang setaraf STPM or equivalent	64.6	64.6	63.3	66.2	72.3	63.5	65.9
Sijil Certificate	89.8	89.8	87.9	95.3	91.4	88.3	97.2
Diploma	82.9	83.3	83.8	81.9	82.2	88.8	70.0
Ijazah Degree	90.3	90.9	90.3	92.0	91.4	85.1	79.7
Tiada sijil No certificate	66.3	45.3	48.6	33.8	43.0	57.8	89.0
Tidak berkenaan Not applicable	59.9	37.5	39.8	23.8	35.4	50.8	83.1

Jadual A1.11: Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2024
Table A1.11: Labour force participation rate by highest certificate obtained, ethnic group and sex, Malaysia, 2024

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	83.0	80.6	80.8	79.7	81.7	77.4	96.1
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	72.4	61.0	61.4	61.4	55.6	63.9	97.9
PT3/PMR/SRP/LCE/ SRA atau yang setaraf PT3/PMR/SRP/LCE/ SRA or equivalent	61.2	52.3	51.1	53.4	58.6	64.9	97.8
SPM atau yang setaraf SPM or equivalent	88.7	87.6	87.8	86.3	90.0	82.4	97.9
STPM atau yang setaraf STPM or equivalent	76.6	76.6	77.0	73.2	87.9	77.2	77.9
Sijil Certificate	93.2	93.2	92.6	96.0	94.7	84.4	100.0
Diploma	88.1	88.8	89.7	85.6	90.7	95.5	73.1
Ijazah Degree	93.7	94.6	94.6	94.3	95.4	91.7	84.5
Tiada sijil No certificate	85.0	67.3	72.7	51.7	58.1	72.3	98.0
Tidak berkenaan Not applicable	74.6	49.2	52.8	24.9	48.5	71.3	95.2

Jadual A1.11: Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2024 (samb.)
Table A1.11: Labour force participation rate by highest certificate obtained, ethnic group and sex, Malaysia, 2024 (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 (%) <i>Total</i>	56.5	55.7	53.8	61.3	56.4	49.6	69.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	30.0	22.9	22.5	23.1	25.0	21.9	71.0
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	25.0	20.9	18.1	25.7	28.3	36.9	73.6
SPM atau yang setaraf <i>SPM or equivalent</i>	56.7	56.2	53.8	62.8	61.0	49.9	70.8
STPM atau yang setaraf <i>STPM or equivalent</i>	56.1	56.2	54.9	59.6	61.4	42.8	54.3
Sijil <i>Certificate</i>	82.7	82.7	76.7	94.3	84.0	95.9	56.0
Diploma	78.0	78.2	78.5	78.4	74.0	83.8	59.0
Ijazah <i>Degree</i>	87.0	87.6	86.7	89.6	87.0	76.9	62.0
Tiada sijil <i>No certificate</i>	40.9	26.2	27.7	17.5	29.3	45.0	68.6
Tidak berkenaan <i>Not applicable</i>	43.2	27.1	28.0	22.9	25.5	29.0	65.2

Jadual A1.12: Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperolehi, kumpulan etnik dan strata, Malaysia, 2024
Table A1.12: Labour force participation rate by highest certificate obtained, ethnic group and strata, Malaysia, 2024

Bandar/Urban							
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>	72.1	70.2	69.8	71.3	69.6	62.8	88.1
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	48.5	37.2	33.6	42.9	38.9	26.4	90.0
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	42.9	35.6	31.9	40.0	42.9	48.9	91.3
SPM atau yang setaraf <i>SPM or equivalent</i>	75.3	73.8	73.2	75.0	75.9	65.7	91.8
STPM atau yang setaraf <i>STPM or equivalent</i>	66.7	66.8	66.4	66.1	73.2	60.3	63.7
Sijil <i>Certificate</i>	91.4	91.4	89.9	95.3	92.0	87.6	95.7
Diploma	83.8	84.3	85.5	81.9	82.3	86.1	69.5
Ijazah <i>Degree</i>	90.7	91.4	91.1	92.0	91.6	88.2	79.2
Tiada sijil <i>No certificate</i>	61.3	38.5	39.5	32.8	43.8	54.0	88.1
Tidak berkenaan <i>Not applicable</i>	60.7	31.2	34.0	21.3	34.1	44.7	84.8

Jadual A1.12: Kadar penyertaan tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2024 (samb.)
Table A1.12: Labour force participation rate by highest certificate obtained, ethnic group and strata, Malaysia, 2024 (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>	66.2	61.9	61.8	61.5	63.1	68.8	90.7
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	63.6	52.5	52.6	48.6	48.4	80.4	91.8
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	50.9	41.9	41.2	45.8	49.9	53.6	93.1
SPM atau yang setaraf <i>SPM or equivalent</i>	69.5	67.9	67.5	71.4	74.0	69.8	95.1
STPM atau yang setaraf <i>STPM or equivalent</i>	56.7	56.4	55.6	69.8	53.3	82.6	83.2
Sijil <i>Certificate</i>	82.7	82.6	81.9	94.1	79.9	100.0	100.0
Diploma	76.8	76.7	76.2	83.4	80.0	100.0	86.3
Ijazah <i>Degree</i>	86.0	85.9	85.9	88.5	86.5	57.8	90.8
Tiada sijil <i>No certificate</i>	72.5	54.8	56.6	38.7	37.1	65.3	90.0
Tidak berkenaan <i>Not applicable</i>	58.7	44.6	44.6	40.9	41.3	54.9	79.7

Jadual A2.1: Tenaga buruh mengikut kumpulan umur, strata dan jantina, Malaysia, 2024
Table A2.1: Labour force by age group, strata and sex, Malaysia, 2024

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	16,903.5	10,584.1	6,319.3	13,126.4	8,063.3	5,063.1	3,777.1	2,520.9	1,256.2
15 - 19	535.6	360.9	174.6	416.5	291.4	125.1	119.0	69.6	49.5
20 - 24	2,238.4	1,385.8	852.6	1,663.0	1,060.8	602.2	575.4	325.1	250.4
25 - 29	2,619.9	1,567.2	1,052.7	1,963.3	1,157.0	806.3	656.6	410.2	246.3
30 - 34	2,583.3	1,601.0	982.3	2,036.9	1,209.9	827.0	546.4	391.1	155.4
35 - 39	2,421.3	1,505.0	916.3	1,935.4	1,158.2	777.2	485.9	346.8	139.1
40 - 44	2,256.9	1,361.1	895.8	1,824.5	1,048.3	776.2	432.4	312.7	119.6
45 - 49	1,614.1	1,025.8	588.3	1,276.3	793.5	482.7	337.9	232.3	105.5
50 - 54	1,281.2	830.2	451.0	1,005.0	640.2	364.8	276.2	190.0	86.2
55 - 59	870.3	612.1	258.2	656.5	467.2	189.3	213.9	145.0	68.9
60 - 64	482.5	335.0	147.5	349.1	236.9	112.2	133.4	98.1	35.3
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	3.2	3.4	2.8	3.2	3.6	2.5	3.2	2.8	1.3
20 - 24	13.2	13.1	13.5	12.7	13.2	11.9	15.2	12.9	6.6
25 - 29	15.5	14.8	16.7	15.0	14.3	15.9	17.4	16.3	6.5
30 - 34	15.3	15.1	15.5	15.5	15.0	16.3	14.5	15.5	4.1
35 - 39	14.3	14.2	14.5	14.7	14.4	15.4	12.9	13.8	3.7
40 - 44	13.4	12.9	14.2	13.9	13.0	15.3	11.4	12.4	3.2
45 - 49	9.5	9.7	9.3	9.7	9.8	9.5	8.9	9.2	2.8
50 - 54	7.6	7.8	7.1	7.7	7.9	7.2	7.3	7.5	2.3
55 - 59	5.1	5.8	4.1	5.0	5.8	3.7	5.7	5.8	1.8
60 - 64	2.9	3.2	2.3	2.7	2.9	2.2	3.5	3.9	0.9

Jadual A2.2: Tenaga buruh mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2024

Table A2.2: Labour force by age group and ethnic group, Malaysia, 2024

Kumpulan umur <i>Age group</i>	Warganegara Malaysia <i>Malaysian citizens</i>						Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
	Jumlah <i>Total</i>	Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	16,903.5	14,472.7	9,890.9	3,489.2	1,003.9	88.7	2,430.7
15 - 19	535.6	421.6	289.6	94.1	34.9	3.1	113.9
20 - 24	2,238.4	1,794.5	1,388.1	283.1	112.0	11.3	443.9
25 - 29	2,619.9	2,036.9	1,558.2	323.8	142.8	12.2	582.9
30 - 34	2,583.3	2,117.1	1,527.8	454.9	120.7	13.7	466.3
35 - 39	2,421.3	2,078.2	1,400.4	513.6	149.1	15.1	343.1
40 - 44	2,256.9	2,027.9	1,331.5	532.0	152.5	11.9	228.9
45 - 49	1,614.1	1,486.0	937.6	435.0	104.6	8.8	128.1
50 - 54	1,281.2	1,215.6	737.7	385.0	87.2	5.6	65.6
55 - 59	870.3	833.0	475.7	279.9	73.0	4.4	37.4
60 - 64	482.5	461.9	244.2	187.8	27.2	2.6	20.7
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	3.2	2.9	2.9	2.7	3.5	3.5	4.7
20 - 24	13.2	12.4	14.0	8.1	11.2	12.7	18.3
25 - 29	15.5	14.1	15.8	9.3	14.2	13.8	24.0
30 - 34	15.3	14.6	15.4	13.0	12.0	15.4	19.2
35 - 39	14.3	14.4	14.2	14.7	14.9	17.0	14.1
40 - 44	13.4	14.0	13.5	15.2	15.2	13.4	9.4
45 - 49	9.5	10.3	9.5	12.5	10.4	9.9	5.3
50 - 54	7.6	8.4	7.5	11.0	8.7	6.3	2.7
55 - 59	5.1	5.8	4.8	8.0	7.3	5.0	1.5
60 - 64	2.9	3.2	2.5	5.4	2.7	2.9	0.9

Jadual A2.3: Tenaga buruh mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2024
Table A2.3: Labour force by age group, ethnic group and sex, Malaysia, 2024

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	10,584.1	8,648.7	5,985.4	2,008.1	598.4	56.9	1,935.4
15 - 19	361.0	269.5	189.8	55.3	21.9	2.5	91.5
20 - 24	1,385.8	1,058.9	814.4	169.3	68.4	6.8	326.9
25 - 29	1,567.2	1,121.0	845.1	193.7	75.8	6.3	446.2
30 - 34	1,601.0	1,206.6	864.8	253.0	79.9	8.8	394.4
35 - 39	1,505.0	1,220.0	862.9	262.9	84.2	9.9	285.0
40 - 44	1,361.1	1,176.5	791.6	291.4	86.6	6.9	184.5
45 - 49	1,025.8	919.9	596.4	250.3	67.0	6.2	105.9
50 - 54	830.2	776.5	491.5	227.3	53.4	4.3	53.7
55 - 59	612.1	582.6	349.4	185.9	44.4	2.9	29.5
60 - 64	335.0	317.3	179.5	118.9	16.8	2.2	17.7
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	3.4	3.1	3.2	2.8	3.7	4.4	4.7
20 - 24	13.1	12.2	13.6	8.4	11.4	12.0	16.9
25 - 29	14.8	13.0	14.1	9.6	12.7	11.1	23.1
30 - 34	15.1	14.0	14.4	12.6	13.4	15.5	20.4
35 - 39	14.2	14.1	14.4	13.1	14.1	17.4	14.7
40 - 44	12.9	13.6	13.2	14.5	14.5	12.1	9.5
45 - 49	9.7	10.6	10.0	12.5	11.2	10.9	5.5
50 - 54	7.8	9.0	8.2	11.3	8.9	7.6	2.8
55 - 59	5.8	6.7	5.8	9.3	7.4	5.1	1.5
60 - 64	3.2	3.7	3.0	5.9	2.8	3.9	0.9

Tenaga buruh mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2024 (samb.)							
Table A2.3: Labour force by age group, ethnic group and sex, Malaysia, 2024 (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	6,319.3	5,824.0	3,905.5	1,481.1	405.5	31.8	495.4
15 - 19	174.6	152.1	99.8	38.8	13.0	0.6	22.5
20 - 24	852.6	735.6	573.8	113.8	43.6	4.5	117.0
25 - 29	1,052.7	916.0	713.0	130.1	67.0	5.8	136.7
30 - 34	982.3	910.5	663.0	201.8	40.8	4.9	71.8
35 - 39	916.3	858.2	537.5	250.7	64.9	5.2	58.0
40 - 44	895.8	851.4	539.9	240.6	65.9	5.0	44.4
45 - 49	588.3	566.1	341.2	184.7	37.6	2.6	22.2
50 - 54	451.0	439.1	246.3	157.7	33.8	1.4	11.9
55 - 59	258.2	250.3	126.3	94.0	28.6	1.5	7.9
60 - 64	147.5	144.6	64.8	68.9	10.4	0.4	3.0
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	2.8	2.6	2.6	2.6	3.2	1.9	4.5
20 - 24	13.5	12.6	14.7	7.7	10.8	14.2	23.6
25 - 29	16.7	15.7	18.3	8.8	16.5	18.2	27.6
30 - 34	15.5	15.6	17.0	13.6	10.1	15.4	14.5
35 - 39	14.5	14.7	13.8	16.9	16.0	16.4	11.7
40 - 44	14.2	14.6	13.8	16.2	16.3	15.7	9.0
45 - 49	9.3	9.7	8.7	12.5	9.3	8.2	4.5
50 - 54	7.1	7.5	6.3	10.6	8.3	4.4	2.4
55 - 59	4.1	4.3	3.2	6.3	7.1	4.7	1.6
60 - 64	2.3	2.5	1.7	4.7	2.6	1.3	0.6

Jadual A2.4: Tenaga buruh mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2024
Table A2.4: Labour force by age group, ethnic group and strata, Malaysia, 2024

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	13,126.4	11,466.9	7,174.0	3,294.3	935.6	63.0	1,659.5
15 - 19	417.0	333.4	208.3	89.1	33.3	2.6	83.1
20 - 24	1,663.0	1,361.6	989.7	260.5	103.2	8.2	301.4
25 - 29	1,963.3	1,573.1	1,127.7	302.9	134.4	8.1	390.1
30 - 34	2,036.9	1,705.5	1,153.1	432.2	110.5	9.7	331.4
35 - 39	1,935.4	1,705.1	1,063.5	491.5	139.1	11.0	230.2
40 - 44	1,824.5	1,675.4	1,016.7	506.3	142.2	10.1	149.1
45 - 49	1,276.3	1,193.8	677.3	414.3	97.4	4.9	82.4
50 - 54	1,005.0	958.4	509.2	363.2	82.3	3.8	46.6
55 - 59	656.5	627.7	296.4	259.7	68.7	2.9	28.8
60 - 64	349.1	332.9	132.3	174.5	24.4	1.7	16.3
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	3.2	2.9	2.9	2.7	3.6	4.1	5.0
20 - 24	12.7	11.9	13.8	7.9	11.0	13.0	18.2
25 - 29	15.0	13.7	15.7	9.2	14.4	12.9	23.5
30 - 34	15.5	14.9	16.1	13.1	11.8	15.4	20.0
35 - 39	14.7	14.9	14.8	14.9	14.9	17.5	13.9
40 - 44	13.9	14.6	14.2	15.4	15.2	16.0	9.0
45 - 49	9.7	10.4	9.4	12.6	10.4	7.8	5.0
50 - 54	7.7	8.4	7.1	11.0	8.8	6.0	2.8
55 - 59	5.0	5.5	4.1	7.9	7.3	4.6	1.7
60 - 64	2.7	2.9	1.8	5.3	2.6	2.7	1.0

Jadual A2.4: Tenaga buruh mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2024 (samb.)
Table A2.4: Labour force by age group, ethnic group and strata, Malaysia, 2024 (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	3,777.1	3,005.8	2,716.9	194.9	68.3	25.7	771.3
15 - 19	119.0	88.2	81.3	4.9	1.5	0.5	30.8
20 - 24	575.4	433.0	398.5	22.6	8.8	3.1	142.5
25 - 29	656.6	463.8	430.5	20.9	8.3	4.1	192.8
30 - 34	546.4	411.5	374.6	22.7	10.2	4.0	134.9
35 - 39	485.9	373.0	336.9	22.1	10.0	4.1	112.9
40 - 44	432.4	352.6	314.9	25.7	10.2	1.8	79.8
45 - 49	337.9	292.2	260.4	20.7	7.3	3.9	45.6
50 - 54	276.2	257.2	228.6	21.9	5.0	1.9	19.0
55 - 59	213.9	205.2	179.3	20.2	4.2	1.5	8.6
60 - 64	133.4	129.0	111.9	13.4	2.8	0.9	4.4
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	3.2	2.9	3.0	2.5	2.2	1.9	4.0
20 - 24	15.2	14.4	14.7	11.6	12.9	12.1	18.5
25 - 29	17.4	15.4	15.8	10.7	12.2	16.0	25.0
30 - 34	14.5	13.7	13.8	11.6	14.9	15.6	17.5
35 - 39	12.9	12.4	12.4	11.3	14.6	16.0	14.6
40 - 44	11.4	11.7	11.6	13.2	14.9	7.0	10.3
45 - 49	8.9	9.7	9.6	10.6	10.7	15.2	5.9
50 - 54	7.3	8.6	8.4	11.2	7.3	7.4	2.5
55 - 59	5.7	6.8	6.6	10.4	6.1	5.8	1.1
60 - 64	3.5	4.3	4.1	6.9	4.1	3.5	0.6

Jadual A2.5: Tenaga buruh mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2024
Table A2.5: Labour force by educational attainment, strata and sex, Malaysia, 2024

Pencapaian pendidikan Educational attainment	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	16,903.5	10,584.1	6,319.3	13,126.4	8,063.3	5,063.1	3,777.1	2,520.8	1,256.2
Tiada pendidikan rasmi No formal education	382.9	253.5	129.4	232.4	152.5	79.9	150.6	101.0	49.5
Rendah Primary	1,393.9	1,036.9	357.0	703.3	511.8	191.5	690.6	525.1	165.5
Menengah Secondary	9,255.1	6,213.1	3,042.0	7,014.9	4,663.9	2,351.0	2,240.2	1,549.2	691.0
Tertiari Tertiary	5,871.6	3,080.7	2,790.9	5,175.8	2,735.1	2,440.7	695.7	345.6	350.2
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi No formal education	2.3	2.4	2.0	1.8	1.9	1.6	4.0	4.0	3.9
Rendah Primary	8.2	9.8	5.6	5.4	6.3	3.8	18.3	20.8	13.2
Menengah Secondary	54.8	58.7	48.1	53.4	57.8	46.4	59.3	61.5	55.0
Tertiari Tertiary	34.7	29.1	44.2	39.4	33.9	48.2	18.4	13.7	27.9

Jadual A2.6: Tenaga buruh mengikut pencapaian pendidikan dan kumpulan etnik, Malaysia, 2024
Table A2.6: Labour force by educational attainment and ethnic group, Malaysia, 2024

Pencapaian pendidikan <i>Educational attainment</i>	Warganegara Malaysia <i>Malaysian citizens</i>						Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
	Jumlah <i>Total</i>	Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	16,903.5	14,472.7	9,890.9	3,489.2	1,003.9	88.7	2,430.7
Tiada pendidikan rasmi <i>No formal education</i>	382.9	121.3	100.9	10.9	6.8	2.6	261.7
Rendah <i>Primary</i>	1,393.9	651.3	476.7	118.1	44.6	11.8	742.6
Menengah <i>Secondary</i>	9,255.1	8,029.1	5,645.9	1,771.9	570.1	41.2	1,226.0
Tertiari <i>Tertiary</i>	5,871.6	5,671.1	3,667.4	1,588.4	382.3	33.0	200.5
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>	2.3	0.8	1.0	0.3	0.7	2.9	10.8
Rendah <i>Primary</i>	8.2	4.5	4.8	3.4	4.4	13.3	30.6
Menengah <i>Secondary</i>	54.8	55.5	57.1	50.8	56.8	46.4	50.4
Tertiari <i>Tertiary</i>	34.7	39.2	37.1	45.5	38.1	37.2	8.2

Jadual A2.7: Tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2024
Table A2.7: Labour force by educational attainment, ethnic group and sex, Malaysia, 2024

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	10,584.1	8,648.7	5,985.4	2,008.1	598.4	56.9	1,935.4
Tiada pendidikan rasmi No formal education	253.5	74.5	63.6	5.0	4.0	1.9	179.0
Rendah Primary	1,036.9	461.2	342.6	82.6	27.5	8.5	575.6
Menengah Secondary	6,213.1	5,194.3	3,718.4	1,093.4	356.7	25.7	1,018.8
Tertiari Tertiary	3,080.7	2,918.7	1,860.7	827.1	210.2	20.7	162.0
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi No formal education	2.4	0.9	1.1	0.2	0.7	3.3	9.2
Rendah Primary	9.8	5.3	5.7	4.1	4.6	14.9	29.7
Menengah Secondary	58.7	60.1	62.1	54.4	59.6	45.2	52.6
Tertiari Tertiary	29.1	33.7	31.1	41.2	35.1	36.4	8.4

Jadual A2.7: Tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2024 (samb.)
Table A2.7: Labour force by educational attainment, ethnic group and sex, Malaysia, 2024 (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) Total	6,319.3	5,824.0	3,905.5	1,481.1	405.5	31.8	495.4
Tiada pendidikan rasmi No formal education	129.4	46.8	37.3	5.9	2.8	0.7	82.7
Rendah Primary	357.0	190.1	134.0	35.5	17.2	3.3	167.0
Menengah Secondary	3,042.0	2,834.8	1,927.5	678.4	213.4	15.5	207.2
Tertiari Tertiary	2,790.9	2,752.3	1,806.6	761.3	172.1	12.3	38.5
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi No formal education	2.0	0.8	1.0	0.4	0.7	2.2	16.7
Rendah Primary	5.6	3.3	3.4	2.4	4.2	10.4	33.7
Menengah Secondary	48.1	48.7	49.4	45.8	52.6	48.7	41.8
Tertiari Tertiary	44.2	47.3	46.3	51.4	42.4	38.7	7.8

Jadual A2.8: Tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2024
Table A2.8: Labour force by educational attainment, ethnic group and strata, Malaysia, 2024

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	13,126.4	11,466.9	7,174.0	3,294.3	935.6	63.0	1,659.5
Tiada pendidikan rasmi No formal education	232.4	53.7	38.9	8.5	5.4	0.9	178.7
Rendah Primary	703.3	320.7	180.0	97.8	37.8	5.0	382.7
Menengah Secondary	7,014.9	6,107.3	3,922.3	1,633.4	523.6	28.0	907.6
Tertiari Tertiary	5,175.8	4,985.3	3,032.8	1,554.7	368.7	29.1	190.6
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi No formal education	1.8	0.5	0.5	0.3	0.6	1.4	10.8
Rendah Primary	5.4	2.8	2.5	3.0	4.0	7.9	23.1
Menengah Secondary	53.4	53.3	54.7	49.6	56.0	44.4	54.7
Tertiari Tertiary	39.4	43.5	42.3	47.2	39.4	46.2	11.5

Jadual A2.8: Tenaga buruh mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2024 (samb.)
Table A2.8: Labour force by educational attainment, ethnic group and strata, Malaysia, 2024 (cont'd)

Luar bandar/Rural							
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	3,777.1	3,005.8	2,716.9	194.9	68.3	25.7	771.3
Tiada pendidikan rasmi No formal education	150.6	67.6	62.0	2.4	1.4	1.7	83.0
Rendah Primary	690.6	330.6	296.6	20.4	6.8	6.8	360.0
Menengah Secondary	2,240.2	1,921.8	1,723.6	138.5	46.5	13.3	318.4
Tertiari Tertiary	695.7	685.8	634.6	33.7	13.6	4.0	9.9
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi No formal education	4.0	2.2	2.3	1.2	2.0	6.6	10.8
Rendah Primary	18.3	11.0	10.9	10.5	10.0	26.5	46.7
Menengah Secondary	59.3	63.9	63.4	71.1	68.1	51.8	41.3
Tertiari Tertiary	18.4	22.8	23.4	17.3	19.9	15.6	1.3

Jadual A2.9: Tenaga buruh mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2024
Table A2.9: Labour force by highest certificate obtained, strata and sex, Malaysia, 2024

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>	16,903.5	10,584.1	6,319.3	13,126.4	8,063.3	5,063.1	3,777.1	2,520.8	1,256.2
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	1,140.0	869.9	270.1	631.8	478.7	153.1	508.2	391.2	117.0
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	1,478.5	1,121.5	357.0	961.0	718.5	242.6	517.5	403.1	114.4
SPM atau yang setaraf <i>SPM or equivalent</i>	7,546.8	4,877.1	2,669.7	5,906.7	3,802.7	2,104.0	1,640.1	1,074.4	565.7
STPM atau yang setaraf <i>STPM or equivalent</i>	587.5	287.8	299.6	480.5	236.3	244.1	107.0	51.5	55.5
Sijil <i>Certificate</i>	488.4	341.1	147.2	404.2	279.7	124.6	84.1	61.4	22.7
Diploma	1,900.0	981.9	918.1	1,674.5	868.0	806.6	225.5	113.9	111.6
Ijazah <i>Degree</i>	2,804.3	1,426.2	1,378.1	2,537.5	1,312.2	1,225.3	266.8	114.0	152.8
Tiada sijil <i>No certificate</i>	578.6	427.2	151.4	299.6	215.9	83.8	279.0	211.4	67.6
Tidak berkenaan <i>Not applicable</i>	379.4	251.3	128.1	230.4	151.3	79.1	148.9	100.0	49.0
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>	6.7	8.2	4.3	4.8	5.9	3.0	13.5	15.5	9.3
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	8.7	10.6	5.6	7.3	8.9	4.8	13.7	16.0	9.1
SPM atau yang setaraf <i>SPM or equivalent</i>	44.6	46.1	42.2	45.0	47.2	41.6	43.4	42.6	45.0
STPM atau yang setaraf <i>STPM or equivalent</i>	3.5	2.7	4.7	3.7	2.9	4.8	2.8	2.0	4.4
Sijil <i>Certificate</i>	2.9	3.2	2.3	3.1	3.5	2.5	2.2	2.4	1.8
Diploma	11.2	9.3	14.5	12.8	10.8	15.9	6.0	4.5	8.9
Ijazah <i>Degree</i>	16.6	13.5	21.8	19.3	16.3	24.2	7.1	4.5	12.2
Tiada sijil <i>No certificate</i>	3.4	4.0	2.4	2.3	2.7	1.7	7.4	8.4	5.4
Tidak berkenaan <i>Not applicable</i>	2.2	2.4	2.0	1.8	1.9	1.6	3.9	4.0	3.9

Jadual A2.10
Table A2.10

Tenaga buruh mengikut sijil tertinggi diperoleh dan kumpulan etnik, Malaysia, 2024
Labour force by highest certificate obtained and ethnic group, Malaysia, 2024

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>	16,903.5	14,472.7	9,890.9	3,489.2	1,003.9	88.7	2,430.7
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	1,140.0	682.6	449.4	171.8	52.0	9.4	457.4
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	1,478.5	1,044.6	668.8	266.7	99.2	9.8	433.9
SPM atau yang setaraf <i>SPM or equivalent</i>	7,546.8	6,832.1	4,890.7	1,456.1	452.7	32.6	714.7
STPM atau yang setaraf <i>STPM or equivalent</i>	587.5	572.1	386.0	140.6	40.0	5.5	15.3
Sijil <i>Certificate</i>	488.4	487.0	336.5	118.8	23.2	8.6	1.4
Diploma	1,900.0	1,858.1	1,288.6	441.3	120.6	7.5	42.0
Ijazah <i>Degree</i>	2,804.3	2,669.1	1,615.7	853.4	191.6	8.4	135.1
Tiada sijil <i>No certificate</i>	578.6	206.3	154.8	29.6	17.7	4.2	372.3
Tidak berkenaan <i>Not applicable</i>	379.4	120.7	100.4	10.9	6.8	2.6	258.7
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>	6.7	4.7	4.5	4.9	5.2	10.6	18.8
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	8.7	7.2	6.8	7.6	9.9	11.0	17.9
SPM atau yang setaraf <i>SPM or equivalent</i>	44.6	47.2	49.4	41.7	45.1	36.8	29.4
STPM atau yang setaraf <i>STPM or equivalent</i>	3.5	4.0	3.9	4.0	4.0	6.2	0.6
Sijil <i>Certificate</i>	2.9	3.4	3.4	3.4	2.3	9.7	0.1
Diploma	11.2	12.8	13.0	12.6	12.0	8.5	1.7
Ijazah <i>Degree</i>	16.6	18.4	16.3	24.5	19.1	9.5	5.6
Tiada sijil <i>No certificate</i>	3.4	1.4	1.6	0.8	1.8	4.7	15.3
Tidak berkenaan <i>Not applicable</i>	2.2	0.8	1.0	0.3	0.7	2.9	10.6

Jadual A2.11: Tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2024
Table A2.11: Labour force by highest certificate obtained, ethnic group and sex, Malaysia, 2024

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) <i>Total</i>	10,584.1	8,648.7	5,985.4	2,008.1	598.4	56.9	1,935.4
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	869.9	507.2	334.3	129.7	35.6	7.6	362.7
PT3/PMR/SRP/LCE/SRA atau yang setaraf PT3/PMR/SRP/LCE/SRA or equivalent	1,121.5	770.8	508.6	188.5	67.5	6.2	350.7
SPM atau yang setaraf SPM or equivalent	4,877.1	4,273.7	3,125.5	853.7	273.7	20.8	603.4
STPM atau yang setaraf STPM or equivalent	287.8	278.9	179.1	75.8	20.0	4.0	8.9
Sijil Certificate	341.1	339.8	250.0	67.8	16.6	5.4	1.3
Diploma	981.9	947.8	655.2	223.3	65.8	3.4	34.2
Ijazah Degree	1,426.2	1,313.6	761.7	443.0	103.8	5.0	112.6
Tiada sijil No certificate	427.2	142.7	107.5	21.3	11.4	2.5	284.5
Tidak berkenaan Not applicable	251.3	74.3	63.4	5.0	4.0	1.9	177.0
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	8.2	5.9	5.6	6.5	5.9	13.4	18.7
PT3/PMR/SRP/LCE/SRA atau yang setaraf PT3/PMR/SRP/LCE/SRA or equivalent	10.6	8.9	8.5	9.4	11.3	10.9	18.1
SPM atau yang setaraf SPM or equivalent	46.1	49.4	52.2	42.5	45.7	36.6	31.2
STPM atau yang setaraf STPM or equivalent	2.7	3.2	3.0	3.8	3.3	7.0	0.5
Sijil Certificate	3.2	3.9	4.2	3.4	2.8	9.5	0.1
Diploma	9.3	11.0	10.9	11.1	11.0	6.0	1.8
Ijazah Degree	13.5	15.2	12.7	22.1	17.3	8.8	5.8
Tiada sijil No certificate	4.0	1.6	1.8	1.1	1.9	4.4	14.7
Tidak berkenaan Not applicable	2.4	0.9	1.1	0.2	0.7	3.3	9.1

Jadual A2.11: Tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2024 (samb.)
Table A2.11: Labour force by highest certificate obtained, ethnic group and sex, Malaysia, 2024 (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) Total	6,319.3	5,824.0	3,905.5	1,481.1	405.5	31.8	495.4
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	270.1	175.4	115.1	42.1	16.5	1.8	94.7
PT3/PMR/SRP/LCE/SRA atau yang setaraf PT3/PMR/SRP/LCE/SRA or equivalent	357.0	273.8	160.2	78.2	31.8	3.6	83.2
SPM atau yang setaraf SPM or equivalent	2,669.7	2,558.5	1,765.2	602.5	179.0	11.8	111.3
STPM atau yang setaraf STPM or equivalent	299.6	293.2	206.9	64.8	20.0	1.5	6.4
Sijil Certificate	147.2	147.2	86.5	51.0	6.6	3.2	0.1
Diploma	918.1	910.3	633.4	218.0	54.8	4.1	7.8
Ijazah Degree	1,378.1	1,355.5	854.0	410.4	87.7	3.4	22.5
Tiada sijil No certificate	151.4	63.6	47.3	8.3	6.3	1.8	87.7
Tidak berkenaan Not applicable	128.1	46.4	37.0	5.9	2.8	0.7	81.7
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	4.3	3.0	2.9	2.8	4.1	5.7	19.1
PT3/PMR/SRP/LCE/SRA atau yang setaraf PT3/PMR/SRP/LCE/SRA or equivalent	5.6	4.7	4.1	5.3	7.8	11.3	16.8
SPM atau yang setaraf SPM or equivalent	42.2	43.9	45.2	40.7	44.1	37.1	22.5
STPM atau yang setaraf STPM or equivalent	4.7	5.0	5.3	4.4	4.9	4.7	1.3
Sijil Certificate	2.3	2.5	2.2	3.4	1.6	10.1	-
Diploma	14.5	15.6	16.2	14.7	13.5	12.9	1.6
Ijazah Degree	21.8	23.3	21.9	27.7	21.6	10.7	4.5
Tiada sijil No certificate	2.4	1.1	1.2	0.6	1.6	5.7	17.7
Tidak berkenaan Not applicable	2.0	0.8	0.9	0.4	0.7	2.2	16.5

Jadual A2.12: Tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2024
Table A2.12: Labour force by highest certificate obtained, ethnic group and strata, Malaysia, 2024

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>	13,126.4	11,466.9	7,174.0	3,294.3	935.6	63.0	1,659.5
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	631.8	381.8	186.7	147.3	44.4	3.4	250.0
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	961.0	693.3	365.9	234.5	87.4	5.6	267.7
SPM atau yang setaraf <i>SPM or equivalent</i>	5,906.7	5,324.1	3,521.6	1,357.6	420.7	24.2	582.7
STPM atau yang setaraf <i>STPM or equivalent</i>	480.5	467.3	289.4	134.8	38.6	4.5	13.1
Sijil <i>Certificate</i>	404.2	403.3	259.4	113.9	22.1	8.0	0.9
Diploma	1,674.5	1,634.3	1,080.1	432.5	115.7	5.9	40.3
Ijazah <i>Degree</i>	2,537.5	2,407.9	1,373.6	841.3	185.3	7.9	129.6
Tiada sijil <i>No certificate</i>	299.6	101.6	59.0	24.0	16.0	2.6	198.1
Tidak berkenaan <i>Not applicable</i>	230.4	53.3	38.5	8.5	5.4	0.9	177.1
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>	4.8	3.3	2.6	4.5	4.7	5.4	15.1
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	7.3	6.0	5.1	7.1	9.3	8.9	16.1
SPM atau yang setaraf <i>SPM or equivalent</i>	45.0	46.4	49.1	41.2	45.0	38.4	35.1
STPM atau yang setaraf <i>STPM or equivalent</i>	3.7	4.1	4.0	4.1	4.1	7.1	0.8
Sijil <i>Certificate</i>	3.1	3.5	3.6	3.5	2.4	12.7	0.1
Diploma	12.8	14.3	15.1	13.1	12.4	9.4	2.4
Ijazah <i>Degree</i>	19.3	21.0	19.1	25.5	19.8	12.5	7.8
Tiada sijil <i>No certificate</i>	2.3	0.9	0.8	0.7	1.7	4.1	11.9
Tidak berkenaan <i>Not applicable</i>	1.8	0.5	0.5	0.3	0.6	1.4	10.7

Jadual A2.12: Tenaga buruh mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2024 (samb.)
Table A2.12: Labour force by highest certificate obtained, ethnic group and strata, Malaysia, 2024 (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>	3,777.1	3,005.8	2,716.9	194.9	68.3	25.7	771.3
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	508.2	300.8	262.7	24.5	7.7	6.0	207.4
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	517.5	351.3	303.0	32.3	11.8	4.3	166.2
SPM atau yang setaraf <i>SPM or equivalent</i>	1,640.1	1,508.1	1,369.2	98.6	32.0	8.3	132.0
STPM atau yang setaraf <i>STPM or equivalent</i>	107.0	104.8	96.6	5.8	1.4	1.0	2.2
Sijil <i>Certificate</i>	84.1	83.6	77.1	4.9	1.0	0.6	0.5
Diploma	225.5	223.8	208.5	8.8	4.9	1.6	1.7
Ijazah <i>Degree</i>	266.8	261.2	242.1	12.2	6.3	0.6	5.6
Tiada sijil <i>No certificate</i>	279.0	104.8	95.8	5.6	1.8	1.6	174.2
Tidak berkenaan <i>Not applicable</i>	148.9	67.4	61.9	2.4	1.4	1.7	81.5
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>	13.5	10.0	9.7	12.6	11.3	23.3	26.9
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	13.7	11.7	11.2	16.6	17.3	16.7	21.5
SPM atau yang setaraf <i>SPM or equivalent</i>	43.4	50.2	50.4	50.6	46.9	32.3	17.1
STPM atau yang setaraf <i>STPM or equivalent</i>	2.8	3.5	3.6	3.0	2.0	3.9	0.3
Sijil <i>Certificate</i>	2.2	2.8	2.8	2.5	1.5	2.3	0.1
Diploma	6.0	7.4	7.7	4.5	7.2	6.2	0.2
Ijazah <i>Degree</i>	7.1	8.7	8.9	6.3	9.2	2.3	0.7
Tiada sijil <i>No certificate</i>	7.4	3.5	3.5	2.9	2.6	6.2	22.6
Tidak berkenaan <i>Not applicable</i>	3.9	2.2	2.3	1.2	2.0	6.6	10.6

Jadual A3.1: Nisbah guna tenaga kepada penduduk mengikut kumpulan umur, strata dan jantina, Malaysia, 2024
Table A3.1: Employment to population ratio by age group, strata and sex, Malaysia, 2024

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	68.4	80.5	54.7	70.0	81.3	57.3	63.5	78.0	45.8
15 - 19	16.5	21.0	11.6	17.7	23.1	11.7	13.2	15.2	11.1
20 - 24	64.4	73.3	53.7	64.7	75.8	51.5	63.6	66.1	60.4
25 - 29	83.1	88.8	75.9	84.0	88.8	78.0	80.5	88.8	69.5
30 - 34	85.7	96.8	72.1	87.9	97.2	77.0	78.5	95.6	53.7
35 - 39	83.6	97.8	67.4	85.6	98.0	71.9	76.3	96.8	49.7
40 - 44	85.6	97.1	72.5	88.3	97.3	78.5	75.7	96.3	48.6
45 - 49	78.9	96.2	60.1	80.2	96.3	63.0	74.2	95.7	49.5
50 - 54	73.5	93.2	53.0	74.9	93.4	55.7	68.7	92.6	44.0
55 - 59	58.5	82.6	34.5	58.8	84.5	33.5	57.5	76.9	37.6
60 - 64	34.7	47.5	21.9	33.0	43.8	22.1	40.0	59.0	21.1

Jadual A3.2: Nisbah guna tenaga kepada penduduk mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2024
Table A3.2: Employment to population ratio by age group and ethnic group, Malaysia, 2024

Kumpulan Umur Age Group	Warganegara Malaysia Malaysian citizens						Bukan warganegara Malaysia Non- Malaysian citizens
	Jumlah Total	Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Jumlah (%) Total	68.4	66.1	65.1	69.0	66.2	61.4	86.4
15 - 19	16.5	14.0	13.3	15.8	16.1	19.6	51.6
20 - 24	64.4	60.2	63.0	49.3	61.6	48.8	88.5
25 - 29	83.1	81.1	84.8	65.8	86.4	77.0	91.0
30 - 34	85.7	84.9	85.2	89.4	71.1	65.9	89.4
35 - 39	83.6	82.6	78.5	95.1	85.6	75.9	90.2
40 - 44	85.6	85.0	82.5	91.5	87.6	73.3	90.8
45 - 49	78.9	78.3	75.8	85.6	74.1	74.0	86.0
50 - 54	73.5	73.1	69.6	81.6	71.8	65.2	80.1
55 - 59	58.5	57.9	52.4	66.9	69.3	58.1	77.1
60 - 64	34.7	34.1	29.6	45.1	26.7	40.7	63.8

Jadual A3.3: Nisbah guna tenaga kepada penduduk mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2024

Table A3.3: Employment to population ratio by age group, ethnic group and sex, Malaysia, 2024

Kumpulan Umur Age Group	Warganegara Malaysia Malaysian citizens						Bukan warganegara Malaysia Non-Malaysian citizens
	Jumlah Total	Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Lelaki (%) Male	80.5	78.0	78.1	77.5	78.4	74.9	93.8
15 - 19	21.0	17.2	16.9	17.2	18.6	30.5	66.7
20 - 24	73.3	68.7	71.6	56.4	74.7	53.2	92.0
25 - 29	88.8	87.4	90.2	76.4	89.8	81.2	92.5
30 - 34	96.8	96.7	96.5	98.6	95.7	72.3	97.3
35 - 39	97.8	97.5	97.7	97.9	94.9	98.2	98.7
40 - 44	97.1	96.8	96.3	98.6	96.8	87.3	99.0
45 - 49	96.2	95.9	95.8	96.4	94.5	96.4	98.8
50 - 54	93.2	93.0	92.9	94.0	89.3	96.0	96.0
55 - 59	82.6	82.1	78.5	88.7	86.6	79.7	92.9
60 - 64	47.5	46.4	44.0	53.8	33.7	67.5	81.9
Perempuan Female	54.7	53.9	51.9	60.2	53.8	46.0	65.7
15 - 19	11.6	10.6	9.3	14.2	13.4	7.0	27.7
20 - 24	53.7	50.9	53.7	41.5	47.4	42.4	79.8
25 - 29	75.9	74.6	79.2	54.7	82.9	73.2	86.2
30 - 34	72.1	73.2	73.8	80.0	46.9	56.8	61.1
35 - 39	67.4	67.7	59.6	92.3	75.9	51.1	63.0
40 - 44	72.5	72.8	68.3	84.2	77.8	59.4	67.7
45 - 49	60.1	60.4	55.7	74.3	53.5	47.4	53.3
50 - 54	53.0	53.2	46.5	68.7	55.1	32.5	45.7
55 - 59	34.5	34.2	27.2	44.9	53.0	38.4	45.3
60 - 64	21.9	21.8	15.5	35.9	20.3	14.1	27.7

Jadual A3.4: Nisbah guna tenaga kepada penduduk mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2024
Table A3.4: Employment to population ratio by age group, ethnic group and strata, Malaysia, 2024

Kumpulan Umur Age Group	Warganegara Malaysia Malaysian citizens						Bukan warganegara Malaysia Non-Malaysian citizens
	Jumlah Total	Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	
Bandar (%) Urban	70.0	68.2	67.8	69.7	66.8	61.0	85.0
15 - 19	17.7	15.3	14.7	16.3	16.7	23.9	52.4
20 - 24	64.7	61.3	66.0	48.6	60.8	48.2	85.3
25 - 29	84.0	83.2	88.8	66.0	88.1	77.0	87.8
30 - 34	87.9	87.5	89.0	89.7	70.9	62.0	89.6
35 - 39	85.6	84.9	80.6	95.8	86.8	77.5	90.7
40 - 44	88.3	88.0	86.0	92.5	88.1	81.2	91.1
45 - 49	80.2	79.9	77.1	87.0	74.0	67.1	84.1
50 - 54	74.9	74.7	70.3	82.5	72.7	61.0	80.1
55 - 59	58.8	58.2	50.4	67.0	70.9	56.4	77.2
60 - 64	33.0	32.3	24.4	45.1	26.9	34.9	62.3
Luar Bandar Rural	63.5	58.9	58.9	59.0	59.1	62.5	89.4
15 - 19	13.2	10.2	10.4	9.6	7.1	9.4	49.7
20 - 24	63.6	56.5	56.1	59.2	71.9	51.3	95.7
25 - 29	80.5	74.7	75.5	63.4	64.4	77.2	98.2
30 - 34	78.5	75.6	75.1	84.4	73.5	78.0	88.8
35 - 39	76.3	73.1	72.7	80.7	71.0	71.3	89.3
40 - 44	75.7	73.1	72.8	75.4	81.8	45.2	90.3
45 - 49	74.2	72.2	72.6	64.5	76.2	85.2	89.6
50 - 54	68.7	68.0	68.1	69.4	59.5	75.5	80.0
55 - 59	57.5	56.9	56.2	65.7	50.1	61.7	76.5
60 - 64	40.0	39.4	39.2	44.5	25.3	56.9	69.4

Jadual A4.1: Penduduk bekerja mengikut kumpulan umur, strata dan jantina, Malaysia, 2024
Table A4.1: Employed persons by age group, strata and sex, Malaysia, 2024

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	16,369.4	10,257.1	6,112.3	12,747.2	7,814.2	4,933.0	3,622.2	2,442.9	1,179.3
15 - 19	451.1	301.0	150.1	357.4	245.4	112.0	93.7	55.6	38.1
20 - 24	2,038.2	1,269.8	768.4	1,526.6	973.0	553.6	511.5	296.8	214.7
25 - 29	2,526.7	1,514.9	1,011.8	1,897.1	1,117.4	779.7	629.7	397.5	232.1
30 - 34	2,538.7	1,578.0	960.7	2,005.5	1,193.7	811.8	533.1	384.3	148.9
35 - 39	2,389.1	1,488.2	900.9	1,912.5	1,146.3	766.2	476.6	341.9	134.7
40 - 44	2,236.2	1,346.8	889.4	1,808.3	1,037.3	771.0	428.0	309.6	118.4
45 - 49	1,595.0	1,012.6	582.5	1,262.6	783.2	479.4	332.4	229.4	103.0
50 - 54	1,267.8	819.1	448.6	993.9	631.5	362.5	273.8	187.7	86.2
55 - 59	860.9	607.0	253.8	649.3	463.7	185.6	211.6	143.3	68.3
60 - 64	465.7	319.6	146.0	334.0	222.8	111.2	131.7	96.8	34.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	2.8	2.9	2.5	2.8	3.1	2.3	2.6	2.3	1.1
20 - 24	12.5	12.4	12.6	12.0	12.5	11.2	14.1	12.1	5.9
25 - 29	15.4	14.8	16.6	14.9	14.3	15.8	17.4	16.3	6.4
30 - 34	15.5	15.4	15.7	15.7	15.3	16.5	14.7	15.7	4.1
35 - 39	14.6	14.5	14.7	15.0	14.7	15.5	13.2	14.0	3.7
40 - 44	13.7	13.1	14.6	14.2	13.3	15.6	11.8	12.7	3.3
45 - 49	9.7	9.9	9.5	9.9	10.0	9.7	9.2	9.4	2.8
50 - 54	7.7	8.0	7.3	7.8	8.1	7.3	7.6	7.7	2.4
55 - 59	5.3	5.9	4.2	5.1	5.9	3.8	5.8	5.9	1.9
60 - 64	2.8	3.1	2.4	2.6	2.9	2.3	3.6	4.0	1.0

Jadual A4.2: Penduduk bekerja mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2024
Table A4.2: Employed persons by age group and ethnic group, Malaysia, 2024

Kumpulan Umur <i>Age Group</i>	Warganegara Malaysia <i>Malaysian citizens</i>						Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
	Jumlah <i>Total</i>	Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	16,369.4	14,008.8	9,554.6	3,408.2	961.4	84.5	2,360.6
15 - 19	451.1	357.6	241.1	87.0	26.9	2.7	93.5
20 - 24	2,038.2	1,615.3	1,250.9	254.0	101.0	9.4	422.9
25 - 29	2,526.7	1,958.3	1,498.1	313.6	135.2	11.4	568.4
30 - 34	2,538.7	2,077.7	1,496.2	451.6	116.3	13.5	461.0
35 - 39	2,389.1	2,049.4	1,381.4	509.0	144.4	14.6	339.7
40 - 44	2,236.2	2,009.1	1,318.6	528.1	150.7	11.7	227.1
45 - 49	1,595.0	1,467.6	925.3	430.0	103.6	8.8	127.4
50 - 54	1,267.8	1,203.4	730.9	381.2	85.6	5.6	64.3
55 - 59	860.9	824.3	471.9	276.5	71.7	4.3	36.5
60 - 64	465.7	446.0	240.2	177.1	26.1	2.6	19.7
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	2.8	2.6	2.5	2.6	2.8	3.2	4.0
20 - 24	12.5	11.5	13.1	7.5	10.5	11.1	17.9
25 - 29	15.4	14.0	15.7	9.2	14.1	13.5	24.1
30 - 34	15.5	14.8	15.7	13.3	12.1	16.0	19.5
35 - 39	14.6	14.6	14.5	14.9	15.0	17.3	14.4
40 - 44	13.7	14.3	13.8	15.5	15.7	13.8	9.6
45 - 49	9.7	10.5	9.7	12.6	10.8	10.4	5.4
50 - 54	7.7	8.6	7.6	11.2	8.9	6.6	2.7
55 - 59	5.3	5.9	4.9	8.1	7.5	5.1	1.5
60 - 64	2.8	3.2	2.5	5.2	2.7	3.1	0.8

Jadual A4.3: Penduduk bekerja mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2024
Table A4.3: Employed persons by age group and ethnic group, Malaysia, 2024

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	10,257.1	8,368.1	5,785.4	1,953.5	574.2	55.0	1,889.0
15 - 19	301.0	227.0	159.2	49.5	16.0	2.3	74.0
20 - 24	1,269.8	956.5	735.2	151.6	63.6	6.0	313.4
25 - 29	1,514.9	1,075.8	811.1	187.1	71.9	5.8	439.1
30 - 34	1,578.0	1,186.0	848.3	251.3	77.7	8.7	392.0
35 - 39	1,488.2	1,204.7	853.4	260.1	81.3	9.9	283.5
40 - 44	1,346.8	1,163.9	781.8	289.1	86.0	6.9	183.0
45 - 49	1,012.6	907.4	586.9	247.8	66.4	6.2	105.2
50 - 54	819.1	766.4	485.9	224.3	52.0	4.3	52.7
55 - 59	607.0	577.7	347.3	184.1	43.4	2.8	29.4
60 - 64	319.6	302.8	176.3	108.5	15.8	2.1	16.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	2.9	2.7	2.8	2.5	2.8	4.2	3.9
20 - 24	12.4	11.4	12.7	7.8	11.1	10.9	16.6
25 - 29	14.8	12.9	14.0	9.6	12.5	10.5	23.2
30 - 34	15.4	14.2	14.7	12.9	13.5	15.8	20.8
35 - 39	14.5	14.4	14.8	13.3	14.2	18.0	15.0
40 - 44	13.1	13.9	13.5	14.8	15.0	12.5	9.7
45 - 49	9.9	10.8	10.1	12.7	11.6	11.3	5.6
50 - 54	8.0	9.2	8.4	11.5	9.1	7.8	2.8
55 - 59	5.9	6.9	6.0	9.4	7.6	5.1	1.6
60 - 64	3.1	3.6	3.0	5.6	2.8	3.8	0.9

Jadual A4.3: Penduduk bekerja mengikut kumpulan umur, kumpulan etnik dan jantina, Malaysia, 2024 (samb.)
Table A4.3: Employed persons by age group, ethnic group and sex, Malaysia, 2024 (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	6,112.3	5,640.7	3,769.3	1,454.6	387.3	29.5	471.6
15 - 19	150.1	130.7	81.9	37.4	10.9	0.4	19.5
20 - 24	768.4	658.8	515.7	102.4	37.4	3.4	109.5
25 - 29	1,011.8	882.5	687.0	126.6	63.3	5.6	129.3
30 - 34	960.7	891.6	647.9	200.3	38.6	4.8	69.0
35 - 39	900.9	844.7	528.1	248.9	63.1	4.6	56.3
40 - 44	889.4	845.2	536.8	239.0	64.7	4.7	44.2
45 - 49	582.5	560.3	338.3	182.2	37.1	2.6	22.2
50 - 54	448.6	437.0	245.1	156.9	33.7	1.4	11.6
55 - 59	253.8	246.7	124.6	92.4	28.2	1.5	7.2
60 - 64	146.0	143.2	63.8	68.6	10.3	0.4	2.9
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	2.5	2.3	2.2	2.6	2.8	1.4	4.1
20 - 24	12.6	11.7	13.7	7.0	9.7	11.5	23.2
25 - 29	16.6	15.6	18.2	8.7	16.3	19.0	27.4
30 - 34	15.7	15.8	17.2	13.8	10.0	16.3	14.6
35 - 39	14.7	15.0	14.0	17.1	16.3	15.6	11.9
40 - 44	14.6	15.0	14.2	16.4	16.7	15.9	9.4
45 - 49	9.5	9.9	9.0	12.5	9.6	8.8	4.7
50 - 54	7.3	7.7	6.5	10.8	8.7	4.7	2.5
55 - 59	4.2	4.4	3.3	6.4	7.3	5.1	1.5
60 - 64	2.4	2.5	1.7	4.7	2.7	1.4	0.6

Jadual A4.4: Penduduk bekerja mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2024
Table A4.4: Employed persons by age group, ethnic group and strata, Malaysia, 2024

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	12,747.2	11,146.6	6,966.7	3,221.3	897.5	61.2	1,600.6
15 - 19	357.4	290.4	179.4	82.7	26.1	2.3	66.9
20 - 24	1,526.6	1,242.4	907.7	234.4	92.9	7.4	284.3
25 - 29	1,897.1	1,520.1	1,090.2	294.3	128.0	7.6	377.0
30 - 34	2,005.5	1,678.4	1,133.0	429.4	106.3	9.6	327.2
35 - 39	1,912.5	1,685.5	1,052.1	487.3	135.2	11.0	227.0
40 - 44	1,808.3	1,660.8	1,007.3	502.8	140.6	10.1	147.5
45 - 49	1,262.6	1,180.8	669.0	410.5	96.3	4.9	81.9
50 - 54	993.9	948.3	504.1	359.6	80.8	3.8	45.7
55 - 59	649.3	621.4	294.6	256.4	67.6	2.8	27.9
60 - 64	334.0	318.7	129.5	163.9	23.7	1.6	15.3
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	2.8	2.6	2.6	2.6	2.9	3.8	4.2
20 - 24	12.0	11.1	13.0	7.3	10.4	12.1	17.8
25 - 29	14.9	13.6	15.6	9.1	14.3	12.4	23.6
30 - 34	15.7	15.1	16.3	13.3	11.8	15.7	20.4
35 - 39	15.0	15.1	15.1	15.1	15.1	18.0	14.2
40 - 44	14.2	14.9	14.5	15.6	15.7	16.5	9.2
45 - 49	9.9	10.6	9.6	12.7	10.7	8.0	5.1
50 - 54	7.8	8.5	7.2	11.2	9.0	6.2	2.9
55 - 59	5.1	5.6	4.2	8.0	7.5	4.6	1.7
60 - 64	2.6	2.9	1.9	5.1	2.6	2.6	1.0

Jadual A4.4: Penduduk bekerja mengikut kumpulan umur, kumpulan etnik dan strata, Malaysia, 2024 (samb.)
Table A4.4: Employed persons by age group, ethnic group and strata, Malaysia, 2024 (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	3,622.2	2,862.2	2,587.9	186.9	64.0	23.3	760.0
15 - 19	93.7	67.2	61.7	4.3	0.8	0.4	26.6
20 - 24	511.5	372.9	343.3	19.6	8.1	2.0	138.6
25 - 29	629.7	438.3	408.0	19.3	7.1	3.8	191.4
30 - 34	533.1	399.3	363.2	22.2	10.0	3.9	133.8
35 - 39	476.6	363.8	329.3	21.7	9.2	3.5	112.8
40 - 44	428.0	348.4	311.3	25.3	10.1	1.6	79.6
45 - 49	332.4	286.9	256.3	19.5	7.3	3.9	45.5
50 - 54	273.8	255.2	226.9	21.6	4.8	1.9	18.7
55 - 59	211.6	203.0	177.3	20.1	4.1	1.5	8.6
60 - 64	131.7	127.3	110.6	13.2	2.4	0.9	4.4
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	2.6	2.3	2.4	2.3	1.3	1.7	3.5
20 - 24	14.1	13.0	13.3	10.5	12.7	8.6	18.2
25 - 29	17.4	15.3	15.8	10.3	11.1	16.3	25.2
30 - 34	14.7	14.0	14.0	11.9	15.6	16.7	17.6
35 - 39	13.2	12.7	12.7	11.6	14.4	15.0	14.8
40 - 44	11.8	12.2	12.0	13.5	15.8	6.9	10.5
45 - 49	9.2	10.0	9.9	10.4	11.4	16.7	6.0
50 - 54	7.6	8.9	8.8	11.6	7.5	8.2	2.5
55 - 59	5.8	7.1	6.9	10.8	6.4	6.4	1.1
60 - 64	3.6	4.4	4.3	7.1	3.8	3.9	0.6

Jadual A4.5: Penduduk bekerja mengikut pekerjaan, strata dan jantina, Malaysia, 2024
Table A4.5: Employed persons by occupation, strata and sex, Malaysia, 2024

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	16,369.4	10,257.1	6,112.3	12,747.2	7,814.2	4,933.0	3,622.2	2,442.9	1,179.3
Pengurus Managers	808.9	589.8	219.0	735.5	532.8	202.7	73.4	57.1	16.3
Profesional Professionals	2,175.3	1,102.4	1,072.8	1,936.5	992.7	943.8	238.8	109.8	129.0
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,959.6	1,332.1	627.4	1,720.5	1,172.3	548.1	239.1	159.8	79.3
Pekerja sokongan perkeranian Clerical support workers	1,605.9	450.6	1,155.3	1,370.9	385.1	985.8	234.9	65.5	169.4
Pekerja perkhidmatan dan jualan Service and sales workers	3,790.7	1,969.9	1,820.8	3,084.8	1,642.8	1,442.0	705.9	327.2	378.7
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	678.4	572.3	106.1	221.5	203.1	18.4	456.9	369.2	87.7
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,446.7	1,185.3	261.4	1,130.3	928.7	201.6	316.4	256.6	59.8
Operator mesin dan loji, dan pemasangan Plant and machine operators and assemblers	1,734.8	1,371.2	363.6	1,302.2	1,024.8	277.4	432.7	346.4	86.3
Pekerja asas Elementary occupations	2,169.1	1,683.3	485.8	1,245.1	932.0	313.1	924.1	751.3	172.7
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	4.9	5.8	3.6	5.8	6.8	4.1	2.0	2.3	1.4
Profesional Professionals	13.3	10.7	17.6	15.2	12.7	19.1	6.6	4.5	10.9
Juruteknik dan profesional bersekutu Technicians and associate professionals	12.0	13.0	10.3	13.5	15.0	11.1	6.6	6.5	6.7
Pekerja sokongan perkeranian Clerical support workers	9.8	4.4	18.9	10.8	4.9	20.0	6.5	2.7	14.4
Pekerja perkhidmatan dan jualan Service and sales workers	23.2	19.2	29.8	24.2	21.0	29.2	19.5	13.4	32.1
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	4.1	5.6	1.7	1.7	2.6	0.4	12.6	15.1	7.4
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	8.8	11.6	4.3	8.9	11.9	4.1	8.7	10.5	5.1
Operator mesin dan loji, dan pemasangan Plant and machine operators and assemblers	10.6	13.4	5.9	10.2	13.1	5.6	11.9	14.2	7.3
Pekerja asas Elementary occupations	13.3	16.4	7.9	9.8	11.9	6.3	25.5	30.8	14.6

Jadual A4.6: Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan jantina, Malaysia, 2024
Table A4.6: Employed persons by occupation, ethnic group and sex, Malaysia, 2024

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	16,369.4	14,008.8	9,554.6	3,408.2	961.4	84.5	2,360.6
Pengurus Managers	808.9	765.5	326.4	382.9	54.1	2.1	43.4
Profesional Professionals	2,175.3	2,099.3	1,331.0	606.7	156.5	5.1	76.0
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,959.6	1,891.6	1,285.0	473.4	121.4	11.7	68.0
Pekerja sokongan perkeranian Clerical support workers	1,605.9	1,594.8	1,083.5	394.3	109.0	8.0	11.1
Pekerja perkhidmatan dan jualan Service and sales workers	3,790.7	3,350.4	2,310.5	825.5	189.1	25.4	440.3
Pekerja mahir pertanian, perhutanan, penterbangan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	678.4	598.1	490.7	84.8	16.9	5.7	80.3
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,446.7	1,273.6	853.1	340.5	69.3	10.7	173.1
Operator mesin dan loji, dan pemasangan Plant and machine operators and assemblers	1,734.8	1,394.2	1,059.8	161.7	169.3	3.3	340.7
Pekerja asas Elementary occupations	2,169.1	1,041.3	814.5	138.4	75.9	12.5	1,127.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	4.9	5.5	3.4	11.2	5.6	2.5	1.8
Profesional Professionals	13.3	15.0	13.9	17.8	16.3	6.0	3.2
Juruteknik dan profesional bersekutu Technicians and associate professionals	12.0	13.5	13.4	13.9	12.6	13.8	2.9
Pekerja sokongan perkeranian Clerical support workers	9.8	11.4	11.3	11.6	11.3	9.5	0.5
Pekerja perkhidmatan dan jualan Service and sales workers	23.2	23.9	24.2	24.2	19.7	30.1	18.7
Pekerja mahir pertanian, perhutanan, penterbangan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	4.1	4.3	5.1	2.5	1.8	6.7	3.4
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	8.8	9.1	8.9	10.0	7.2	12.7	7.3
Operator mesin dan loji, dan pemasangan Plant and machine operators and assemblers	10.6	10.0	11.1	4.7	17.6	3.9	14.4
Pekerja asas Elementary occupations	13.3	7.4	8.5	4.1	7.9	14.8	47.8

Jadual A4.7: Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan jantina, Malaysia, 2024
Table A4.7: Employed persons by occupation, ethnic group and sex, Malaysia, 2024

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	10,257.1	8,368.1	5,785.4	1,953.5	574.2	55.0	1,889.0
Pengurus Managers	589.8	551.1	235.1	270.3	43.8	1.9	38.7
Profesional Professionals	1,102.4	1,037.5	648.8	302.8	81.8	4.0	65.0
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,332.2	1,270.4	850.8	325.6	84.2	9.7	61.8
Pekerja sokongan perkeranian Clerical support workers	450.6	445.3	329.9	76.8	34.6	4.1	5.3
Pekerja perkhidmatan dan jualan Service and sales workers	1,969.9	1,655.0	1,155.0	399.2	89.3	11.4	315.0
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	572.3	500.2	403.9	76.7	15.0	4.6	72.1
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,185.3	1,029.4	679.4	289.5	52.1	8.4	155.9
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	1,371.2	1,135.5	866.9	132.3	133.9	2.5	235.7
Pekerja asas Elementary occupations	1,683.3	743.7	615.4	80.4	39.5	8.4	939.6
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	5.8	6.6	4.1	13.8	7.6	3.5	2.0
Profesional Professionals	10.7	12.4	11.2	15.5	14.2	7.3	3.4
Juruteknik dan profesional bersekutu Technicians and associate professionals	13.0	15.2	14.7	16.7	14.7	17.6	3.3
Pekerja sokongan perkeranian Clerical support workers	4.4	5.3	5.7	3.9	6.0	7.5	0.3
Pekerja perkhidmatan dan jualan Service and sales workers	19.2	19.8	20.0	20.4	15.6	20.7	16.7
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	5.6	6.0	7.0	3.9	2.6	8.4	3.8
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	11.6	12.3	11.7	14.8	9.1	15.3	8.3
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	13.4	13.6	15.0	6.8	23.3	4.5	12.5
Pekerja asas Elementary occupations	16.4	8.9	10.6	4.1	6.9	15.3	49.7

Jadual A4.7: Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan jantina, Malaysia, 2024 (samb.)
Table A4.7: Employed persons by occupation, ethnic group and sex, Malaysia, 2024 (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	6,112.3	5,640.7	3,769.3	1,454.6	387.3	29.5	471.6
Pengurus Managers	219.0	214.4	91.3	112.6	10.2	0.2	4.7
Profesional Professionals	1,072.8	1,061.8	682.2	303.9	74.7	1.0	11.0
Juruteknik dan profesional bersekutu Technicians and associate professionals	627.4	621.2	434.2	147.8	37.2	2.0	6.2
Pekerja sokongan perkeranian Clerical support workers	1,155.3	1,149.5	753.6	317.6	74.3	3.9	5.8
Pekerja perkhidmatan dan jualan Service and sales workers	1,820.8	1,695.4	1,155.4	426.2	99.8	14.0	125.3
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	106.1	97.8	86.8	8.1	1.9	1.1	8.2
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	261.4	244.2	173.7	51.0	17.2	2.3	17.2
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	363.6	258.6	193.0	29.4	35.5	0.8	105.0
Pekerja asas Elementary occupations	485.8	297.6	199.1	58.1	36.4	4.1	188.2
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	3.6	3.8	2.4	7.7	2.6	0.7	1.0
Profesional Professionals	17.6	18.8	18.1	20.9	19.3	3.4	2.3
Juruteknik dan profesional bersekutu Technicians and associate professionals	10.3	11.0	11.5	10.2	9.6	6.8	1.3
Pekerja sokongan perkeranian Clerical support workers	18.9	20.4	20.0	21.8	19.2	13.2	1.2
Pekerja perkhidmatan dan jualan Service and sales workers	29.8	30.1	30.7	29.3	25.8	47.5	26.6
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	1.7	1.7	2.3	0.6	0.5	3.7	1.7
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	4.3	4.3	4.6	3.5	4.4	7.8	3.6
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	5.9	4.6	5.1	2.0	9.2	2.7	22.3
Pekerja asas Elementary occupations	7.9	5.3	5.3	4.0	9.4	13.9	39.9

Jadual A4.8: Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan strata, Malaysia, 2024
Table A4.8: Employed persons by occupation, ethnic group and strata, Malaysia, 2024

Bandar/Urban							
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	12,747.2	11,146.6	6,966.7	3,221.3	897.5	61.2	1,600.6
Pengurus Managers	735.5	694.4	268.6	372.4	51.6	1.8	41.1
Profesional Professionals	1,936.5	1,863.2	1,113.2	594.8	150.7	4.4	73.3
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,720.5	1,658.6	1,073.5	459.0	116.4	9.6	61.8
Pekerja sokongan perkeranian Clerical support workers	1,370.9	1,362.5	872.5	379.5	103.9	6.7	8.5
Pekerja perkhidmatan dan jualan Service and sales workers	3,084.8	2,696.8	1,721.4	774.8	179.3	21.4	387.9
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	221.5	179.9	109.8	55.0	13.5	1.6	41.6
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,130.3	986.1	602.1	312.9	64.7	6.3	144.2
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	1,302.2	1,063.3	761.7	147.6	152.5	1.5	238.9
Pekerja asas Elementary occupations	1,245.1	641.8	443.9	125.2	64.8	7.9	603.3
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	5.8	6.2	3.9	11.6	5.7	2.9	2.6
Profesional Professionals	15.2	16.7	16.0	18.5	16.8	7.2	4.6
Juruteknik dan profesional bersekutu Technicians and associate professionals	13.5	14.9	15.4	14.2	13.0	15.7	3.9
Pekerja sokongan perkeranian Clerical support workers	10.8	12.2	12.5	11.8	11.6	10.9	0.5
Pekerja perkhidmatan dan jualan Service and sales workers	24.2	24.2	24.7	24.1	20.0	35.0	24.2
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	1.7	1.6	1.6	1.7	1.5	2.6	2.6
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	8.9	8.8	8.6	9.7	7.2	10.3	9.0
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	10.2	9.5	10.9	4.6	17.0	2.5	14.9
Pekerja asas Elementary occupations	9.8	5.8	6.4	3.9	7.2	12.9	37.7

Jadual A4.8: Penduduk bekerja mengikut pekerjaan, kumpulan etnik dan strata, Malaysia, 2024 (samb.)
Table A4.8: Employed persons by occupation, ethnic group and strata, Malaysia, 2024 (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	3,622.2	2,862.2	2,587.9	186.9	64.0	23.3	760.0
Pengurus Managers	73.4	71.1	57.9	10.4	2.5	0.3	2.3
Profesional Professionals	238.8	236.1	217.7	11.9	5.8	0.6	2.7
Juruteknik dan profesional bersekutu Technicians and associate professionals	239.1	233.0	211.5	14.4	5.0	2.1	6.2
Pekerja sokongan perkeranian Clerical support workers	234.9	232.4	211.0	14.9	5.1	1.4	2.6
Pekerja perkhidmatan dan jualan Service and sales workers	705.9	653.6	589.1	50.7	9.8	4.0	52.3
Pekerja mahir pertanian, perhutanan, penterbangan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	456.9	418.2	380.9	29.7	3.4	4.1	38.7
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	316.4	287.5	251.0	27.5	4.5	4.4	28.9
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	432.7	330.9	298.2	14.1	16.8	1.8	101.8
Pekerja asas Elementary occupations	924.1	399.5	370.6	13.2	11.1	4.6	524.5
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pengurus Managers	2.0	2.5	2.2	5.6	3.9	1.3	0.3
Profesional Professionals	6.6	8.2	8.4	6.4	9.1	2.6	0.4
Juruteknik dan profesional bersekutu Technicians and associate professionals	6.6	8.1	8.2	7.7	7.8	9.0	0.8
Pekerja sokongan perkeranian Clerical support workers	6.5	8.1	8.2	8.0	8.0	6.0	0.3
Pekerja perkhidmatan dan jualan Service and sales workers	19.5	22.8	22.8	27.1	15.3	17.2	6.9
Pekerja mahir pertanian, perhutanan, penterbangan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	12.6	14.6	14.7	15.9	5.3	17.6	5.1
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	8.7	10.0	9.7	14.7	7.0	18.9	3.8
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	11.9	11.6	11.5	7.5	26.3	7.7	13.4
Pekerja asas Elementary occupations	25.5	14.0	14.3	7.1	17.3	19.7	69.0

Jadual A4.9: Penduduk bekerja mengikut pekerjaan dan kumpulan umur, Malaysia, 2024
Table A4.9: Employed persons by occupation and age group, Malaysia, 2024

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	16,369.4	451.1	2,038.2	2,526.7	2,538.7	2,389.1	2,236.2	1,595.0	1,267.8	860.9	465.7
Pengurus Managers	808.9	0.4	15.5	65.4	90.0	128.4	154.9	138.2	102.0	67.4	46.8
Profesional Professionals	2,175.3	3.6	82.4	303.7	420.9	416.2	413.2	245.3	175.1	93.4	21.5
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,959.6	14.2	129.6	311.5	349.1	351.8	324.7	210.3	154.4	83.4	30.5
Pekerja sokongan perkeranian Clerical support workers	1,605.9	29.2	204.0	284.4	252.6	258.8	238.3	143.6	114.8	60.7	19.6
Pekerja perkhidmatan dan jualan Service and sales workers	3,790.7	204.0	721.4	597.5	551.9	471.2	399.3	307.8	255.9	176.0	105.8
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	678.4	12.4	44.2	48.4	70.4	66.7	84.3	77.6	82.8	104.0	87.3
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,446.7	64.5	220.6	193.4	192.5	182.5	171.4	147.1	126.0	96.9	51.8
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	1,734.8	42.0	284.5	305.3	266.8	226.2	210.3	153.5	118.9	84.1	43.3
Pekerja asas Elementary occupations	2,169.1	80.8	336.0	417.2	344.5	287.4	239.9	171.6	137.8	95.1	59.0
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	4.9	0.1	0.8	2.6	3.5	5.4	6.9	8.7	8.0	7.8	10.0
Profesional Professionals	13.3	0.8	4.0	12.0	16.6	17.4	18.5	15.4	13.8	10.8	4.6
Juruteknik dan profesional bersekutu Technicians and associate professionals	12.0	3.1	6.4	12.3	13.8	14.7	14.5	13.2	12.2	9.7	6.5
Pekerja sokongan perkeranian Clerical support workers	9.8	6.5	10.0	11.3	9.9	10.8	10.7	9.0	9.1	7.1	4.2
Pekerja perkhidmatan dan jualan Service and sales workers	23.2	45.2	35.4	23.6	21.7	19.7	17.9	19.3	20.2	20.4	22.7
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	4.1	2.7	2.2	1.9	2.8	2.8	3.8	4.9	6.5	12.1	18.7
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	8.8	14.3	10.8	7.7	7.6	7.6	7.7	9.2	9.9	11.3	11.1
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	10.6	9.3	14.0	12.1	10.5	9.5	9.4	9.6	9.4	9.8	9.3
Pekerja asas Elementary occupations	13.3	17.9	16.5	16.5	13.6	12.0	10.7	10.8	10.9	11.0	12.7

Jadual A4.10: Penduduk bekerja mengikut pekerjaan, kumpulan umur dan jantina, Malaysia, 2024
Table A4.10: Employed persons by occupation, age group and sex, Malaysia, 2024

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	10,257.1	301.0	1,269.8	1,514.9	1,578.0	1,488.2	1,346.8	1,012.6	819.1	607.0	319.6
Pengurus Managers	589.8	0.3	8.2	31.3	65.1	81.3	118.5	108.3	82.2	53.7	40.9
Profesional Professionals	1,102.4	0.2	28.9	147.5	206.8	220.6	200.6	137.0	93.9	52.8	14.3
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,332.1	8.0	78.3	198.1	224.2	238.7	216.2	154.2	119.9	68.9	25.9
Pekerja sokongan perkeranian Clerical support workers	450.6	15.0	73.9	74.1	65.1	71.7	54.3	36.3	31.7	22.0	6.4
Pekerja perkhidmatan dan jualan Service and sales workers	1,969.9	116.7	391.3	304.2	293.8	241.6	196.9	141.6	127.7	105.1	51.0
Pekerja mahir pertanian, perhutanan, penterbangan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	572.3	10.0	38.8	41.0	64.0	57.4	73.7	64.2	68.4	84.6	70.2
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,185.3	52.9	189.3	160.3	157.9	151.3	133.9	120.1	98.0	83.1	38.3
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	1,371.2	34.2	194.0	206.7	212.6	197.0	173.6	133.3	108.3	76.4	35.1
Pekerja asas Elementary occupations	1,683.3	63.7	267.1	351.7	288.5	228.4	179.1	117.6	89.2	60.4	37.5
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	0.1	0.6	2.1	4.1	5.5	8.8	10.7	10.0	8.8	12.8
Profesional Professionals	10.7	0.1	2.3	9.7	13.1	14.8	14.9	13.5	11.5	8.7	4.5
Juruteknik dan profesional bersekutu Technicians and associate professionals	13.0	2.7	6.2	13.1	14.2	16.0	16.1	15.2	14.6	11.4	8.1
Pekerja sokongan perkeranian Clerical support workers	4.4	5.0	5.8	4.9	4.1	4.8	4.0	3.6	3.9	3.6	2.0
Pekerja perkhidmatan dan jualan Service and sales workers	19.2	38.8	30.8	20.1	18.6	16.2	14.6	14.0	15.6	17.3	16.0
Pekerja mahir pertanian, perhutanan, penterbangan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	5.6	3.3	3.1	2.7	4.1	3.9	5.5	6.3	8.4	13.9	22.0
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	11.6	17.6	14.9	10.6	10.0	10.2	9.9	11.9	12.0	13.7	12.0
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	13.4	11.4	15.3	13.6	13.5	13.2	12.9	13.2	13.2	12.6	11.0
Pekerja asas Elementary occupations	16.4	21.2	21.0	23.2	18.3	15.3	13.3	11.6	10.9	10.0	11.7

Jadual A4.10: Penduduk bekerja mengikut pekerjaan, kumpulan umur dan jantina, Malaysia, 2024 (samb.)
Table A4.10: Employed persons by occupation, age group and sex, Malaysia, 2024 (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	6,112.3	150.1	768.4	1,011.8	960.7	900.9	889.4	582.5	448.6	253.8	146.0
Pengurus Managers	219.0	0.1	7.3	34.0	24.9	47.1	36.4	29.9	19.8	13.7	5.8
Profesional Professionals	1,072.8	3.4	53.5	156.3	214.1	195.5	212.6	108.3	81.2	40.5	7.3
Juruteknik dan profesional bersekutu Technicians and associate professionals	627.4	6.1	51.3	113.4	125.0	113.1	108.6	56.1	34.6	14.5	4.6
Pekerja sokongan perkeranian Clerical support workers	1,155.3	14.2	130.0	210.2	187.5	187.0	183.9	107.4	83.1	38.7	13.2
Pekerja perkhidmatan dan jualan Service and sales workers	1,820.8	87.3	330.2	293.2	258.1	229.5	202.4	166.1	128.3	70.9	54.8
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	106.1	2.4	5.4	7.5	6.5	9.3	10.6	13.4	14.5	19.4	17.1
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	261.4	11.6	31.3	33.2	34.6	31.2	37.5	27.0	27.9	13.8	13.4
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	363.6	7.8	90.5	98.6	54.2	29.2	36.7	20.2	10.6	7.6	8.3
Pekerja asas Elementary occupations	485.8	17.1	68.9	65.4	55.9	59.0	60.7	53.9	48.6	34.6	21.5
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	3.6	0.1	1.0	3.4	2.6	5.2	4.1	5.1	4.4	5.4	4.0
Profesional Professionals	17.6	2.3	7.0	15.4	22.3	21.7	23.9	18.6	18.1	16.0	5.0
Juruteknik dan profesional bersekutu Technicians and associate professionals	10.3	4.1	6.7	11.2	13.0	12.6	12.2	9.6	7.7	5.7	3.2
Pekerja sokongan perkeranian Clerical support workers	18.9	9.5	16.9	20.8	19.5	20.8	20.7	18.4	18.5	15.2	9.0
Pekerja perkhidmatan dan jualan Service and sales workers	29.8	58.2	43.0	29.0	26.9	25.5	22.8	28.5	28.6	27.9	37.5
Pekerja mahir pertanian, perhutanan, penterbakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	1.7	1.6	0.7	0.7	0.7	1.0	1.2	2.3	3.2	7.6	11.7
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	4.3	7.7	4.1	3.3	3.6	3.5	4.2	4.6	6.2	5.4	9.2
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	5.9	5.2	11.8	9.7	5.6	3.2	4.1	3.5	2.4	3.0	5.7
Pekerja asas Elementary occupations	7.9	11.4	9.0	6.5	5.8	6.5	6.8	9.3	10.8	13.6	14.7

Jadual A4.11: Penduduk bekerja mengikut pekerjaan, kumpulan umur dan strata, Malaysia, 2024
Table A4.11: Employed persons by occupation, age group and strata, Malaysia, 2024

Bandar/Urban											
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	12,747.2	357.4	1,526.6	1,897.1	2,005.5	1,912.5	1,808.3	1,262.6	993.9	649.3	334.0
Pengurus Managers	735.5	0.3	13.2	58.1	80.5	116.9	144.2	129.0	92.7	58.7	41.9
Profesional Professionals	1,936.5	3.4	69.7	264.8	379.8	380.4	373.5	215.4	151.4	78.8	19.4
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,720.5	12.3	104.0	262.3	308.2	311.8	295.0	188.1	138.3	73.1	27.4
Pekerja sokongan perkeranian Clerical support workers	1,370.9	24.4	163.0	229.8	216.6	226.0	212.4	127.4	102.5	51.1	17.7
Pekerja perkhidmatan dan jualan Service and sales workers	3,084.8	172.8	572.0	461.3	463.9	391.0	335.2	251.9	210.7	139.3	86.7
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	221.5	4.7	16.6	15.3	29.1	19.2	24.0	22.2	24.6	40.9	24.9
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,130.3	55.6	179.3	145.2	144.4	142.0	137.1	111.3	98.2	76.0	41.1
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	1,302.2	29.5	204.4	219.4	201.2	171.6	158.8	120.8	92.6	67.8	36.1
Pekerja asas Elementary occupations	1,245.1	54.4	204.4	240.8	181.7	153.5	128.2	96.5	83.0	63.7	38.9
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	0.1	0.9	3.1	4.0	6.1	8.0	10.2	9.3	9.0	12.5
Profesional Professionals	15.2	1.0	4.6	14.0	18.9	19.9	20.7	17.1	15.2	12.1	5.8
Juruteknik dan profesional bersekutu Technicians and associate professionals	13.5	3.4	6.8	13.8	15.4	16.3	16.3	14.9	13.9	11.3	8.2
Pekerja sokongan perkeranian Clerical support workers	10.8	6.8	10.7	12.1	10.8	11.8	11.7	10.1	10.3	7.9	5.3
Pekerja perkhidmatan dan jualan Service and sales workers	24.2	48.3	37.5	24.3	23.1	20.4	18.5	20.0	21.2	21.5	26.0
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	1.7	1.3	1.1	0.8	1.5	1.0	1.3	1.8	2.5	6.3	7.5
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	8.9	15.6	11.7	7.7	7.2	7.4	7.6	8.8	9.9	11.7	12.3
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	10.2	8.3	13.4	11.6	10.0	9.0	8.8	9.6	9.3	10.4	10.8
Pekerja asas Elementary occupations	9.8	15.2	13.4	12.7	9.1	8.0	7.1	7.6	8.4	9.8	11.6

Jadual A4.11: Penduduk bekerja mengikut pekerjaan, kumpulan umur dan strata, Malaysia, 2024 (samb.)
Table A4.11: Employed persons by occupation, age group and strata, Malaysia, 2024 (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	3,622.2	93.7	511.5	629.7	533.1	476.6	428.0	332.4	273.8	211.6	131.7
Pengurus Managers	73.4	0.1	2.3	7.3	9.5	11.5	10.7	9.1	9.3	8.7	4.8
Profesional Professionals	238.8	0.2	12.7	38.9	41.0	35.8	39.7	29.9	23.7	14.6	2.2
Juruteknik dan profesional bersekutu Technicians and associate professionals	239.1	1.9	25.6	49.2	40.9	39.9	29.8	22.2	16.2	10.3	3.2
Pekerja sokongan perkeranian Clerical support workers	234.9	4.9	40.9	54.6	36.0	32.7	25.8	16.3	12.3	9.6	1.9
Pekerja perkhidmatan dan jualan Service and sales workers	705.9	31.2	149.5	136.1	88.0	80.1	64.1	55.9	45.2	36.7	19.1
Pekerja mahir pertanian, perhutanan, penterbangan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	456.9	7.8	27.7	33.1	41.3	47.5	60.4	55.4	58.2	63.1	62.5
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	316.4	8.8	41.3	48.2	48.0	40.5	34.3	35.8	27.8	20.9	10.7
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	432.7	12.4	80.0	85.9	65.6	54.6	51.5	32.7	26.3	16.3	7.3
Pekerja asas Elementary occupations	924.1	26.4	131.6	176.4	162.7	133.9	111.6	75.1	54.8	31.4	20.1
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	2.0	0.1	0.4	1.2	1.8	2.4	2.5	2.7	3.4	4.1	3.6
Profesional Professionals	6.6	0.2	2.5	6.2	7.7	7.5	9.3	9.0	8.7	6.9	1.7
Juruteknik dan profesional bersekutu Technicians and associate professionals	6.6	2.0	5.0	7.8	7.7	8.4	7.0	6.7	5.9	4.9	2.4
Pekerja sokongan perkeranian Clerical support workers	6.5	5.1	8.0	8.7	6.8	6.9	6.0	4.9	4.5	4.5	1.4
Pekerja perkhidmatan dan jualan Service and sales workers	19.5	33.3	29.2	21.6	16.5	16.8	15.0	16.8	16.5	17.3	14.5
Pekerja mahir pertanian, perhutanan, penterbangan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	12.6	8.3	5.4	5.3	7.7	10.0	14.1	16.7	21.3	29.8	47.5
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	8.7	9.4	8.1	7.7	9.0	8.5	8.0	10.8	10.2	9.9	8.1
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	11.9	13.2	15.6	13.6	12.3	11.5	12.0	9.8	9.6	7.7	5.5
Pekerja asas Elementary occupations	25.5	28.2	25.7	28.0	30.5	28.1	26.1	22.6	20.0	14.8	15.3

Jadual A4.12: Penduduk bekerja mengikut industri, strata dan jantina, Malaysia, 2024

Table A4.12: Employed persons by industry, strata and sex, Malaysia, 2024

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 ('000) Total	16,369.4	10,257.1	6,112.3	12,747.2	7,814.2	4,933.0	3,622.2	2,442.9	1,179.3
Pertanian Agriculture	1,478.5	1,197.3	281.2	392.5	313.8	78.7	1,086.0	883.5	202.5
Perlombongan dan pengkuarian Mining and quarrying	88.7	70.9	17.8	74.6	59.3	15.4	14.1	11.6	2.5
Pembuatan Manufacturing	2,664.6	1,655.7	1,009.0	2,155.5	1,331.1	824.4	509.1	324.5	184.6
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	76.8	62.0	14.8	57.9	45.7	12.2	19.0	16.3	2.6
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	93.0	72.4	20.6	75.0	56.2	18.8	18.0	16.2	1.8
Pembinaan Construction	1,393.4	1,263.0	130.3	1,132.2	1,013.6	118.6	261.2	249.5	11.8
Perdagangan borong dan runcit Wholesale and retail trade	3,063.3	1,784.3	1,279.0	2,539.6	1,474.9	1,064.6	523.7	309.3	214.4
Pengangkutan dan penyimpanan Transportation and storage	751.4	630.9	120.5	633.1	522.3	110.8	118.4	108.7	9.7
Makanan & minuman dan penginapan Food & beverages and accommodation	1,617.1	847.8	769.2	1,346.8	739.2	607.6	270.2	108.7	161.6
Maklumat dan komunikasi Information and communication	286.3	142.9	143.5	260.4	123.8	136.6	25.9	19.1	6.9
Kewangan dan insurans Finance and insurance	444.6	236.1	208.5	410.0	219.3	190.8	34.6	16.8	17.8
Hartanah Real estate	101.5	69.8	31.7	98.4	68.4	30.0	3.1	1.4	1.7
Profesional, saintifik dan teknikal Professional, scientific and technical	396.6	210.5	186.0	370.4	197.8	172.6	26.2	12.7	13.4
Pentadbiran dan khidmat sokongan Administrative and support service	888.0	589.6	298.4	696.9	446.7	250.2	191.1	142.9	48.2
Pentadbiran awam dan pertahanan Public administration and defence	854.4	581.4	273.0	695.4	481.9	213.5	159.0	99.5	59.5
Pendidikan Education	1,042.5	384.2	658.2	836.2	319.2	517.0	206.3	65.1	141.2
Kesihatan kemanusiaan dan kerja sosial Human health and social work	683.5	225.6	457.9	576.1	194.6	381.5	107.4	31.1	76.4
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	73.5	38.4	35.2	61.0	32.7	28.3	12.5	5.7	6.8
Perkhidmatan lain Other service	264.5	149.6	114.9	236.8	131.6	105.2	27.7	18.1	9.6
Aktiviti isi rumah sebagai majikan Activities of households as employers	107.1	44.7	62.5	98.5	42.3	56.1	8.7	2.4	6.3

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

Jadual A4.12 Penduduk bekerja mengikut industri, strata dan jantina, Malaysia, 2024 (samb.)

Table A4.12 Employed persons by industry, strata and sex, Malaysia, 2024 (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 Agriculture	9.0	11.7	4.6	3.1	4.0	1.6	30.0	36.2	17.2
Perlombongan dan pengkuarian Mining and quarrying	0.5	0.7	0.3	0.6	0.8	0.3	0.4	0.5	0.2
Pembuatan Manufacturing	16.3	16.1	16.5	16.9	17.0	16.7	14.1	13.3	15.7
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.5	0.6	0.2	0.5	0.6	0.2	0.5	0.7	0.2
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.6	0.7	0.3	0.6	0.7	0.4	0.5	0.7	0.2
Pembinaan Construction	8.5	12.3	2.1	8.9	13.0	2.4	7.2	10.2	1.0
Perdagangan borong dan runcit Wholesale and retail trade	18.7	17.4	20.9	19.9	18.9	21.6	14.5	12.7	18.2
Pengangkutan dan penyimpanan Transportation and storage	4.6	6.2	2.0	5.0	6.7	2.2	3.3	4.4	0.8
Makanan & minuman dan penginapan Food & beverages and accommodation	9.9	8.3	12.6	10.6	9.5	12.3	7.5	4.4	13.7
Maklumat dan komunikasi Information and communication	1.7	1.4	2.3	2.0	1.6	2.8	0.7	0.8	0.6
Kewangan dan insurans Finance and insurance	2.7	2.3	3.4	3.2	2.8	3.9	1.0	0.7	1.5
Hartanah Real estate	0.6	0.7	0.5	0.8	0.9	0.6	0.1	0.1	0.1
Profesional, saintifik dan teknikal Professional, scientific and technical	2.4	2.1	3.0	2.9	2.5	3.5	0.7	0.5	1.1
Pentadbiran dan khidmat sokongan Administrative and support service	5.4	5.7	4.9	5.5	5.7	5.1	5.3	5.8	4.1
Pentadbiran awam dan pertahanan Public administration and defence	5.2	5.7	4.5	5.5	6.2	4.3	4.4	4.1	5.0
Pendidikan Education	6.4	3.7	10.8	6.6	4.1	10.5	5.7	2.7	12.0
Kesihatan kemanusiaan dan kerja sosial Human health and social work	4.2	2.2	7.5	4.5	2.5	7.7	3.0	1.3	6.5
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.4	0.4	0.6	0.5	0.4	0.6	0.3	0.2	0.6
Perkhidmatan lain Other service	1.6	1.5	1.9	1.9	1.7	2.1	0.8	0.7	0.8
Aktiviti isi rumah sebagai majikan Activities of households as employers	0.7	0.4	1.0	0.8	0.5	1.1	0.2	0.1	0.5

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, 2024
Employed persons by industry and ethnic group, Malaysia, 2024

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>	16,369.4	14,008.8	9,554.6	3,408.2	961.4	84.5	2,360.6
Pertanian <i>Agriculture</i>	1,478.5	953.0	744.8	149.2	44.8	14.2	525.5
Perombongan dan pengkuarian <i>Mining and quarrying</i>	88.7	84.3	63.5	17.3	2.9	0.6	4.4
Pembuatan <i>Manufacturing</i>	2,664.6	2,240.4	1,535.3	508.9	188.6	7.6	424.3
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	76.8	75.1	61.9	9.2	3.9	0.1	1.8
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	93.0	86.5	54.7	20.1	10.9	0.9	6.5
Pembinaan <i>Construction</i>	1,393.4	958.1	649.3	247.1	53.9	7.9	435.2
Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	3,063.3	2,742.3	1,610.1	940.7	173.9	17.6	321.0
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	751.4	712.7	484.0	129.4	98.0	1.3	38.8
Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	1,617.1	1,349.5	893.1	380.4	65.4	10.7	267.5
Maklumat dan komunikasi <i>Information and communication</i>	286.3	265.7	142.1	101.2	22.1	0.2	20.7
Kewangan dan insurans <i>Finance and insurance</i>	444.6	439.0	289.2	120.9	28.2	0.7	5.6
Hartanah <i>Real estate</i>	101.5	99.4	45.4	42.0	11.9	0.0	2.1
Profesional, saintifik dan teknikal <i>Professional, scientific and technical</i>	396.6	379.0	212.0	140.1	25.3	1.6	17.5
Pentadbiran dan khidmat sokongan <i>Administrative and support service</i>	888.0	755.5	540.4	123.4	89.4	2.3	132.5
Pentadbiran awam dan pertahanan <i>Public administration and defence</i>	854.4	854.4	744.2	75.6	27.4	7.2	0.0
Pendidikan <i>Education</i>	1,042.5	1,029.1	821.4	159.5	44.4	3.8	13.4
Kesihatan kemanusiaan dan kerja sosial <i>Human health and social work</i>	683.5	662.9	500.7	108.5	48.8	4.9	20.6
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	73.5	65.4	39.8	20.2	4.7	0.6	8.2
Perkhidmatan lain <i>Other service</i>	264.5	246.9	117.4	112.8	16.1	0.6	17.6
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	107.1	9.7	5.5	1.8	0.7	1.8	97.4

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, 2024 (samb.)
Table A4.13: Employed persons by industry and ethnic group, Malaysia, 2024 (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 (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pertanian Agriculture	9.0	6.8	7.8	4.4	4.7	16.8	22.3
Perlombongan dan pengkuarian Mining and quarrying	0.5	0.6	0.7	0.5	0.3	0.7	0.2
Pembuatan Manufacturing	16.3	16.0	16.1	14.9	19.6	9.0	18.0
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.5	0.5	0.6	0.3	0.4	0.1	0.1
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.6	0.6	0.6	0.6	1.1	1.1	0.3
Pembinaan Construction	8.5	6.8	6.8	7.3	5.6	9.3	18.4
Perdagangan borong dan runcit Wholesale and retail trade	18.7	19.6	16.9	27.6	18.1	20.8	13.6
Pengangkutan dan penyimpanan Transportation and storage	4.6	5.1	5.1	3.8	10.2	1.5	1.6
Makanan & minuman dan penginapan Food & beverages and accommodation	9.9	9.6	9.3	11.2	6.8	12.7	11.3
Maklumat dan komunikasi Information and communication	1.7	1.9	1.5	3.0	2.3	0.2	0.9
Kewangan dan insurans Finance and insurance	2.7	3.1	3.0	3.5	2.9	0.8	0.2
Hartanah Real estate	0.6	0.7	0.5	1.2	1.2	0.0	0.1
Profesional, saintifik dan teknikal Professional, scientific and technical	2.4	2.7	2.2	4.1	2.6	1.9	0.7
Pentadbiran dan khidmat sokongan Administrative and support service	5.4	5.4	5.7	3.6	9.3	2.7	5.6
Pentadbiran awam dan pertahanan Public administration and defence	5.2	6.1	7.8	2.2	2.9	8.5	0.0
Pendidikan Education	6.4	7.3	8.6	4.7	4.6	4.5	0.6
Kesihatan kemanusiaan dan kerja sosial Human health and social work	4.2	4.7	5.2	3.2	5.1	5.8	0.9
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.4	0.5	0.4	0.6	0.5	0.7	0.3
Perkhidmatan lain Other service	1.6	1.8	1.2	3.3	1.7	0.7	0.7
Aktiviti isi rumah sebagai majikan Activities of households as employers	0.7	0.1	0.1	0.1	0.1	2.1	4.1

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, 2024
Table A4.14: Employed persons by industry, ethnic group and sex, Malaysia, 2024

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	10,257.1	8,368.1	5,785.4	1,953.6	574.2	55.0	1,889.0
Pertanian Agriculture	1,197.3	752.6	593.5	113.6	33.1	12.4	444.7
Perlombongan dan pengkuarian Mining and quarrying	70.9	66.6	51.9	11.2	2.9	0.6	4.2
Pembuatan Manufacturing	1,655.7	1,363.4	960.1	298.4	100.0	4.8	292.3
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	62.0	60.3	51.3	6.1	2.9	0.0	1.8
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	72.4	65.9	44.0	12.6	9.1	0.2	6.5
Pembinaan Construction	1,263.0	832.5	584.4	193.5	48.1	6.6	430.5
Perdagangan borong dan runcit Wholesale and retail trade	1,784.3	1,508.3	855.1	545.1	99.1	9.1	276.0
Pengangkutan dan penyimpanan Transportation and storage	630.9	595.4	413.4	94.5	86.2	1.3	35.5
Makanan & minuman dan penginapan Food & beverages and accommodation	847.8	678.8	444.5	199.7	28.6	6.1	169.0
Maklumat dan komunikasi Information and communication	142.9	124.0	67.7	44.5	11.5	0.2	18.8
Kewangan dan insurans Finance and insurance	236.1	231.7	155.5	61.4	14.6	0.2	4.3
Hartanah Real estate	69.8	68.0	29.6	27.8	10.6	0.0	1.7
Profesional, saintifik dan teknikal Professional, scientific and technical	210.5	195.6	110.6	68.9	15.6	0.5	14.9
Pentadbiran dan khidmat sokongan Administrative and support service	589.6	478.6	378.1	47.1	51.9	1.4	111.0
Pentadbiran awam dan pertahanan Public administration and defence	581.4	581.4	491.8	62.4	21.5	5.7	0.0
Pendidikan Education	384.2	373.7	302.4	55.6	12.8	2.9	10.6
Kesihatan kemanusiaan dan kerja sosial Human health and social work	225.6	214.3	154.4	43.0	14.2	2.7	11.3
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	38.4	35.1	23.8	9.1	1.9	0.4	3.3
Perkhidmatan lain Other service	149.6	138.6	70.8	58.5	9.3	0.0	11.1
Aktiviti isi rumah sebagai majikan Activities of households as employers	44.6	3.2	2.3	0.6	0.4	0.0	41.4

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, 2024 (samb.)
Employed persons by industry, ethnic group and sex, Malaysia, 2024 (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 Agriculture	11.7	9.0	10.3	5.8	5.8	22.5	23.5
Perlombongan dan pengkuarian Mining and quarrying	0.7	0.8	0.9	0.6	0.5	1.1	0.2
Pembuatan Manufacturing	16.1	16.3	16.6	15.3	17.4	8.7	15.5
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.6	0.7	0.9	0.3	0.5	0.0	0.1
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.7	0.8	0.8	0.6	1.6	0.4	0.3
Pembinaan Construction	12.3	9.9	10.1	9.9	8.4	12.0	22.8
Perdagangan borong dan runcit Wholesale and retail trade	17.4	18.0	14.8	27.9	17.3	16.5	14.6
Pengangkutan dan penyimpanan Transportation and storage	6.2	7.1	7.1	4.8	15.0	2.4	1.9
Makanan & minuman dan penginapan Food & beverages and accommodation	8.3	8.1	7.7	10.2	5.0	11.1	8.9
Maklumat dan komunikasi Information and communication	1.4	1.5	1.2	2.3	2.0	0.4	1.0
Kewangan dan insurans Finance and insurance	2.3	2.8	2.7	3.1	2.5	0.4	0.2
Hartanah Real estate	0.7	0.8	0.5	1.4	1.8	0.0	0.1
Profesional, saintifik dan teknikal Professional, scientific and technical	2.1	2.3	1.9	3.5	2.7	0.9	0.8
Pentadbiran dan khidmat sokongan Administrative and support service	5.7	5.7	6.5	2.4	9.0	2.5	5.9
Pentadbiran awam dan pertahanan Public administration and defence	5.7	6.9	8.5	3.2	3.7	10.4	0.0
Pendidikan Education	3.7	4.5	5.2	2.8	2.2	5.3	0.6
Kesihatan kemanusiaan dan kerja sosial Human health and social work	2.2	2.6	2.7	2.2	2.5	4.9	0.6
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.4	0.4	0.4	0.5	0.3	0.7	0.2
Perkhidmatan lain Other service	1.5	1.7	1.2	3.0	1.6	0.0	0.6
Aktiviti isi rumah sebagai majikan Activities of households as employers	0.4	0.0	0.0	0.0	0.1	0.0	2.2

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, 2024 (samb.)
Table A4.14 Employed persons by industry, ethnic group and sex, Malaysia, 2024 (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	
Jumlah¹ ('000) <i>Total</i>	6,112.3	5,640.7	3,769.3	1,454.6	387.3	29.5	471.6
Pertanian <i>Agriculture</i>	281.2	200.4	151.3	35.6	11.8	1.8	80.8
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	17.8	17.7	11.6	6.1	0.0	0.0	0.2
Pembuatan <i>Manufacturing</i>	1,009.0	877.0	575.1	210.4	88.6	2.8	132.0
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	14.8	14.8	10.5	3.1	1.1	0.1	0.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	20.6	20.6	10.6	7.4	1.9	0.7	0.0
Pembinaan <i>Construction</i>	130.3	125.7	64.9	53.6	5.9	1.3	4.7
Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	1,279.0	1,234.0	755.0	395.6	74.9	8.5	45.1
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	120.5	117.3	70.5	34.9	11.7	0.1	3.2
Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	769.2	670.7	448.6	180.7	36.8	4.6	98.5
Maklumat dan komunikasi <i>Information and communication</i>	143.5	141.6	74.3	56.7	10.6	0.0	1.8
Kewangan dan insurans <i>Finance and insurance</i>	208.5	207.2	133.7	59.4	13.6	0.5	1.3
Hartanah <i>Real estate</i>	31.7	31.3	15.8	14.3	1.3	0.0	0.4
Profesional, saintifik dan teknikal <i>Professional, scientific and technical</i>	186.0	183.4	101.4	71.2	9.7	1.1	2.6
Pentadbiran dan khidmat sokongan <i>Administrative and support service</i>	298.4	276.9	162.3	76.3	37.5	0.9	21.5
Pentadbiran awam dan pertahanan <i>Public administration and defence</i>	273.0	273.0	252.4	13.2	5.9	1.4	0.0
Pendidikan <i>Education</i>	658.2	655.4	518.9	104.0	31.5	0.9	2.9
Kesihatan kemanusiaan dan kerja sosial <i>Human health and social work</i>	457.9	448.6	346.3	65.5	34.6	2.3	9.3
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	35.2	30.3	16.0	11.2	2.8	0.2	4.9
Perkhidmatan lain <i>Other service</i>	114.9	108.3	46.6	54.4	6.8	0.6	6.5
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	62.5	6.4	3.2	1.1	0.3	1.8	56.1

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, 2024 (samb.)
Table A4.14: Employed persons by industry, ethnic group and sex, Malaysia, 2024 (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 Agriculture	4.6	3.6	4.0	2.4	3.0	6.1	17.1
Perlombongan dan pengkuarian Mining and quarrying	0.3	0.3	0.3	0.4	0.0	0.0	0.0
Pembuatan Manufacturing	16.5	15.5	15.3	14.5	22.9	9.5	28.0
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.2	0.3	0.3	0.2	0.3	0.3	0.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.3	0.4	0.3	0.5	0.5	2.4	0.0
Pembinaan Construction	2.1	2.2	1.7	3.7	1.5	4.4	1.0
Perdagangan borong dan runcit Wholesale and retail trade	20.9	21.9	20.0	27.2	19.3	28.8	9.6
Pengangkutan dan penyimpanan Transportation and storage	2.0	2.1	1.9	2.4	3.0	0.3	0.7
Makanan & minuman dan penginapan Food & beverages and accommodation	12.6	11.9	11.9	12.4	9.5	15.6	20.9
Maklumat dan komunikasi Information and communication	2.3	2.5	2.0	3.9	2.7	0.0	0.4
Kewangan dan insurans Finance and insurance	3.4	3.7	3.5	4.1	3.5	1.7	0.3
Hartanah Real estate	0.5	0.6	0.4	1.0	0.3	0.0	0.1
Profesional, saintifik dan teknikal Professional, scientific and technical	3.0	3.3	2.7	4.9	2.5	3.7	0.6
Pentadbiran dan khidmat sokongan Administrative and support service	4.9	4.9	4.3	5.2	9.7	3.1	4.6
Pentadbiran awam dan pertahanan Public administration and defence	4.5	4.8	6.7	0.9	1.5	4.7	0.0
Pendidikan Education	10.8	11.6	13.8	7.1	8.1	3.1	0.6
Kesihatan kemanusiaan dan kerja sosial Human health and social work	7.5	8.0	9.2	4.5	8.9	7.5	2.0
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.6	0.5	0.4	0.8	0.7	0.7	1.0
Perkhidmatan lain Other service	1.9	1.9	1.2	3.7	1.8	2.0	1.4
Aktiviti isi rumah sebagai majikan Activities of households as employers	1.0	0.1	0.1	0.1	0.1	6.1	11.9

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, 2024
Table A4.15: Employed persons by industry, ethnic group and strata, Malaysia, 2024

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	12,747.2	11,146.6	6,966.7	3,221.3	897.5	61.2	1,600.6
Pertanian Agriculture	392.5	320.2	173.6	108.3	32.7	5.7	72.3
Perlombongan dan pengkuarian Mining and quarrying	74.6	71.6	52.7	16.5	2.2	0.1	3.1
Pembuatan Manufacturing	2,155.5	1,818.1	1,158.2	481.1	174.3	4.5	337.4
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	57.9	56.1	44.1	8.7	3.4	0.0	1.8
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	75.0	70.4	40.1	19.7	9.7	0.9	4.6
Pembinaan Construction	1,132.2	760.9	469.8	234.1	51.7	5.4	371.2
Perdagangan borong dan runcit Wholesale and retail trade	2,539.6	2,301.2	1,236.6	888.0	163.5	13.1	238.4
Pengangkutan dan penyimpanan Transportation and storage	633.1	600.7	384.3	123.8	91.7	0.8	32.4
Makanan & minuman dan penginapan Food & beverages and accommodation	1,346.8	1,111.4	677.3	361.9	62.6	9.6	235.5
Maklumat dan komunikasi Information and communication	260.4	239.8	118.2	99.7	21.8	0.2	20.6
Kewangan dan insurans Finance and insurance	410.0	404.6	258.2	118.5	27.5	0.4	5.4
Hartanah Real estate	98.4	96.3	42.8	41.7	11.7	0.0	2.1
Profesional, saintifik dan teknikal Professional, scientific and technical	370.4	353.0	188.6	138.0	24.9	1.5	17.4
Pentadbiran dan khidmat sokongan Administrative and support service	696.9	582.7	374.4	120.8	85.3	2.2	114.2
Pentadbiran awam dan pertahanan Public administration and defence	695.4	695.4	590.3	72.8	25.6	6.8	0.0
Pendidikan Education	836.2	823.4	625.3	153.0	41.6	3.5	12.8
Kesihatan kemanusiaan dan kerja sosial Human health and social work	576.1	557.9	402.0	105.2	47.0	3.7	18.2
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	61.0	53.7	29.6	19.2	4.2	0.6	7.4
Perkhidmatan lain Other service	236.8	220.8	96.3	108.6	15.4	0.5	16.0
Aktiviti isi rumah sebagai majikan Activities of households as employers	98.5	8.7	4.5	1.8	0.7	1.8	89.8

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, 2024 (samb.)
Table A4.15: Employed persons by industry, ethnic group and strata, Malaysia, 2024 (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 Agriculture	3.1	2.9	2.5	3.4	3.6	9.3	4.5
Perlombongan dan pengkuarian Mining and quarrying	0.6	0.6	0.8	0.5	0.2	0.2	0.2
Pembuatan Manufacturing	16.9	16.3	16.6	14.9	19.4	7.4	21.1
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.5	0.5	0.6	0.3	0.4	0.0	0.1
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.6	0.6	0.6	0.6	1.1	1.5	0.3
Pembinaan Construction	8.9	6.8	6.7	7.3	5.8	8.8	23.2
Perdagangan borong dan runcit Wholesale and retail trade	19.9	20.6	17.8	27.6	18.2	21.4	14.9
Pengangkutan dan penyimpanan Transportation and storage	5.0	5.4	5.5	3.8	10.2	1.3	2.0
Makanan & minuman dan penginapan Food & beverages and accommodation	10.6	10.0	9.7	11.2	7.0	15.7	14.7
Maklumat dan komunikasi Information and communication	2.0	2.2	1.7	3.1	2.4	0.3	1.3
Kewangan dan insurans Finance and insurance	3.2	3.6	3.7	3.7	3.1	0.7	0.3
Hartanah Real estate	0.8	0.9	0.6	1.3	1.3	0.0	0.1
Profesional, saintifik dan teknikal Professional, scientific and technical	2.9	3.2	2.7	4.3	2.8	2.5	1.1
Pentadbiran dan khidmat sokongan Administrative and support service	5.5	5.2	5.4	3.8	9.5	3.6	7.1
Pentadbiran awam dan pertahanan Public administration and defence	5.5	6.2	8.5	2.3	2.9	11.1	0.0
Pendidikan Education	6.6	7.4	9.0	4.7	4.6	5.7	0.8
Kesihatan kemanusiaan dan kerja sosial Human health and social work	4.5	5.0	5.8	3.3	5.2	6.0	1.1
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.5	0.5	0.4	0.6	0.5	1.0	0.5
Perkhidmatan lain Other service	1.9	2.0	1.4	3.4	1.7	0.8	1.0
Aktiviti isi rumah sebagai majikan Activities of households as employers	0.8	0.1	0.1	0.1	0.1	2.9	5.6

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, 2024
Table A4.15 Employed persons by industry, ethnic group and strata, Malaysia, 2024

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	
Jumlah¹ ('000) Total	3,622.2	2,862.2	2,587.9	186.9	64.0	23.3	760.0
Pertanian Agriculture	1,086.0	632.8	571.3	40.9	12.2	8.5	453.2
Perlombongan dan pengkuarian Mining and quarrying	14.1	12.8	10.8	0.8	0.7	0.5	1.3
Pembuatan Manufacturing	509.1	422.2	377.1	27.7	14.3	3.0	86.9
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	19.0	19.0	17.8	0.6	0.6	0.1	0.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	18.0	16.1	14.6	0.4	1.2	0.0	1.9
Pembinaan Construction	261.2	197.2	179.5	13.0	2.2	2.5	64.0
Perdagangan borong dan runcit Wholesale and retail trade	523.7	441.1	373.5	52.7	10.4	4.5	82.7
Pengangkutan dan penyimpanan Transportation and storage	118.4	112.0	99.6	5.7	6.2	0.5	6.4
Makanan & minuman dan penginapan Food & beverages and accommodation	270.2	238.2	215.8	18.5	2.8	1.0	32.1
Maklumat dan komunikasi Information and communication	25.9	25.9	23.9	1.6	0.4	0.0	0.1
Kewangan dan insurans Finance and insurance	34.6	34.3	31.0	2.4	0.6	0.3	0.2
Hartanah Real estate	3.1	3.1	2.6	0.3	0.2	0.0	0.0
Profesional, saintifik dan teknikal Professional, scientific and technical	26.2	26.1	23.4	2.2	0.4	0.1	0.1
Pentadbiran dan khidmat sokongan Administrative and support service	191.1	172.8	166.0	2.6	4.1	0.1	18.2
Pentadbiran awam dan pertahanan Public administration and defence	159.0	159.0	153.9	2.8	1.9	0.4	0.0
Pendidikan Education	206.3	205.7	196.0	6.5	2.8	0.4	0.6
Kesihatan kemanusiaan dan kerja sosial Human health and social work	107.4	105.0	98.7	3.3	1.8	1.2	2.4
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	12.5	11.7	10.2	1.0	0.5	0.0	0.8
Perkhidmatan lain Other service	27.7	26.1	21.1	4.2	0.6	0.1	1.6
Aktiviti isi rumah sebagai majikan Activities of households as employers	8.7	1.0	1.0	0.0	0.0	0.0	7.6

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, 2024 (samb.)
Table A4.15: Employed persons by industry, ethnic group and strata, Malaysia, 2024 (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 Agriculture	30.0	22.1	22.1	21.9	19.1	36.5	59.6
Perlombongan dan pengkuarian Mining and quarrying	0.4	0.4	0.4	0.4	1.1	2.1	0.2
Pembuatan Manufacturing	14.1	14.8	14.6	14.8	22.3	12.9	11.4
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.5	0.7	0.7	0.3	0.9	0.4	0.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.5	0.6	0.6	0.2	1.9	0.0	0.3
Pembinaan Construction	7.2	6.9	6.9	7.0	3.4	10.7	8.4
Perdagangan borong dan runcit Wholesale and retail trade	14.5	15.4	14.4	28.2	16.3	19.3	10.9
Pengangkutan dan penyimpanan Transportation and storage	3.3	3.9	3.8	3.0	9.7	2.1	0.8
Makanan & minuman dan penginapan Food & beverages and accommodation	7.5	8.3	8.3	9.9	4.4	4.3	4.2
Maklumat dan komunikasi Information and communication	0.7	0.9	0.9	0.9	0.6	0.0	0.0
Kewangan dan insurans Finance and insurance	1.0	1.2	1.2	1.3	0.9	1.3	0.0
Hartanah Real estate	0.1	0.1	0.1	0.2	0.3	0.0	0.0
Profesional, saintifik dan teknikal Professional, scientific and technical	0.7	0.9	0.9	1.2	0.6	0.4	0.0
Pentadbiran dan khidmat sokongan Administrative and support service	5.3	6.0	6.4	1.4	6.4	0.4	2.4
Pentadbiran awam dan pertahanan Public administration and defence	4.4	5.6	5.9	1.5	3.0	1.7	0.0
Pendidikan Education	5.7	7.2	7.6	3.5	4.4	1.7	0.1
Kesihatan kemanusiaan dan kerja sosial Human health and social work	3.0	3.7	3.8	1.8	2.8	5.2	0.3
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.3	0.4	0.4	0.5	0.8	0.0	0.1
Perkhidmatan lain Other service	0.8	0.9	0.8	2.2	0.9	0.4	0.2
Aktiviti isi rumah sebagai majikan Activities of households as employers	0.2	0.0	0.0	0.0	0.0	0.0	1.0

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, 2024
Table A4.16: Employed persons by industry and age group, Malaysia, 2024

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 ('000) Total	16,369.4	451.1	2,038.2	2,526.7	2,538.7	2,389.1	2,236.2	1,595.0	1,267.8	860.9	465.7
Pertanian <i>Agriculture</i>	1,478.5	31.0	140.4	169.1	214.7	201.7	201.2	151.0	126.1	135.7	107.8
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	88.7	1.5	5.4	8.2	11.3	15.2	17.5	8.6	7.9	11.2	1.8
Pembuatan <i>Manufacturing</i>	2,664.6	62.4	391.4	513.2	426.2	354.6	324.3	246.8	182.6	106.4	56.8
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	76.8	1.5	9.7	16.3	9.5	14.4	8.4	6.5	6.2	3.2	1.2
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	93.0	2.6	6.2	14.8	14.1	16.9	15.3	7.1	7.5	5.7	2.8
Pembinaan <i>Construction</i>	1,393.4	24.8	138.1	240.8	197.9	194.8	184.6	153.8	126.9	84.8	46.9
Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	3,063.3	160.8	521.1	530.4	470.4	378.4	340.9	263.5	201.6	120.2	76.1
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	751.4	8.0	74.0	108.5	112.8	113.3	106.9	80.2	72.1	52.1	23.6
Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	1,617.1	106.0	319.8	227.3	198.8	184.2	171.4	137.4	126.1	91.1	55.0
Maklumat dan komunikasi <i>Information and communication</i>	286.3	1.9	26.1	38.5	63.1	67.2	38.7	21.6	17.3	9.0	2.9
Kewangan dan insurans <i>Finance and insurance</i>	444.6	5.4	26.2	47.1	89.1	83.6	93.9	47.5	29.4	12.8	9.6
Hartanah <i>Real estate</i>	101.5	0.0	2.1	12.5	16.5	13.9	18.6	22.5	8.8	4.7	1.9
Profesional, saintifik dan teknikal <i>Professional, scientific and technical</i>	396.6	2.3	29.6	61.3	82.9	62.1	76.6	36.0	25.3	9.3	11.1
Pentadbiran dan khidmat sokongan <i>Administrative and support service</i>	888.0	16.0	107.6	119.6	126.3	117.6	110.1	105.2	90.7	62.0	32.9
Pentadbiran awam dan pertahanan <i>Public administration and defence</i>	854.4	2.1	63.3	163.6	124.4	173.1	142.1	74.0	58.4	43.7	9.6
Pendidikan <i>Education</i>	1,042.5	6.4	47.0	112.0	166.3	194.4	216.0	130.1	102.8	58.9	8.6
Kesihatan kemanusiaan dan kerja sosial <i>Human health and social work</i>	683.5	9.4	63.6	89.5	137.9	129.8	107.5	67.8	41.2	27.0	9.7
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	73.5	1.4	7.8	12.6	13.0	10.9	9.0	5.4	5.2	6.6	1.6
Perkhidmatan lain <i>Other service</i>	264.5	6.2	46.9	31.5	42.6	36.8	34.5	22.4	25.9	13.3	4.5
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	103.6	1.7	12.0	9.9	19.5	26.0	17.8	7.1	5.4	2.8	1.5

¹Jumlah 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, 2024 (samb.)
Table A4.16: Employed persons by industry and age group, Malaysia, 2024 (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 <i>Agriculture</i>	9.0	6.9	6.9	6.7	8.5	8.4	9.0	9.5	9.9	15.8	23.1
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	0.5	0.3	0.3	0.3	0.4	0.6	0.8	0.5	0.6	1.3	0.4
Pembuatan <i>Manufacturing</i>	16.3	13.8	19.2	20.3	16.8	14.8	14.5	15.5	14.4	12.4	12.2
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	0.5	0.3	0.5	0.6	0.4	0.6	0.4	0.4	0.5	0.4	0.3
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	0.6	0.6	0.3	0.6	0.6	0.7	0.7	0.4	0.6	0.7	0.6
Pembinaan <i>Construction</i>	8.5	5.5	6.8	9.5	7.8	8.2	8.3	9.6	10.0	9.9	10.1
Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	18.7	35.6	25.6	21.0	18.5	15.8	15.2	16.5	15.9	14.0	16.3
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	4.6	1.8	3.6	4.3	4.4	4.7	4.8	5.0	5.7	6.1	5.1
Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	9.9	23.5	15.7	9.0	7.8	7.7	7.7	8.6	9.9	10.6	11.8
Maklumat dan komunikasi <i>Information and communication</i>	1.7	0.4	1.3	1.5	2.5	2.8	1.7	1.4	1.4	1.0	0.6
Kewangan dan insurans <i>Finance and insurance</i>	2.7	1.2	1.3	1.9	3.5	3.5	4.2	3.0	2.3	1.5	2.1
Hartanah <i>Real estate</i>	0.6	0.0	0.1	0.5	0.6	0.6	0.8	1.4	0.7	0.5	0.4
Profesional, saintifik dan teknikal <i>Professional, scientific and technical</i>	2.4	0.5	1.5	2.4	3.3	2.6	3.4	2.3	2.0	1.1	2.4
Pentadbiran dan khidmat sokongan <i>Administrative and support service</i>	5.4	3.5	5.3	4.7	5.0	4.9	4.9	6.6	7.2	7.2	7.1
Pentadbiran awam dan pertahanan <i>Public administration and defence</i>	5.2	0.5	3.1	6.5	4.9	7.2	6.4	4.6	4.6	5.1	2.1
Pendidikan <i>Education</i>	6.4	1.4	2.3	4.4	6.6	8.1	9.7	8.2	8.1	6.8	1.8
Kesihatan kemanusiaan dan kerja sosial <i>Human health and social work</i>	4.2	2.1	3.1	3.5	5.4	5.4	4.8	4.3	3.2	3.1	2.1
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	0.4	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.4	0.8	0.3
Perkhidmatan lain <i>Other service</i>	1.6	1.4	2.3	1.2	1.7	1.5	1.5	1.4	2.0	1.5	1.0
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	0.6	0.4	0.6	0.4	0.8	1.1	0.8	0.4	0.4	0.3	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, 2024
Table A4.17: Employed persons by industry, age group and sex, Malaysia, 2024

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
Jumlah¹ ('000) <i>Total</i>	10,257.1	301.0	1,269.8	1,514.9	1,578.0	1,488.2	1,346.8	1,012.6	819.1	607.0	319.6
Pertanian <i>Agriculture</i>	1,197.3	23.4	102.8	126.0	188.3	173.0	169.3	120.8	101.1	108.0	84.6
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	70.9	1.5	2.3	6.9	9.2	13.1	11.7	6.9	7.5	10.0	1.8
Pembuatan <i>Manufacturing</i>	1,655.7	43.3	247.0	300.0	265.0	227.4	192.6	159.7	109.0	76.1	35.6
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	62.0	1.5	8.1	14.3	7.1	10.9	7.1	4.6	4.5	2.8	1.2
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	72.4	0.6	6.1	11.9	12.1	12.9	11.2	5.6	5.4	4.1	2.6
Pembinaan <i>Construction</i>	1,263.0	24.0	126.2	217.6	177.3	170.6	163.8	140.5	120.6	78.9	43.7
Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	1,784.3	111.9	296.6	298.8	278.9	203.6	188.4	151.3	119.2	85.5	50.0
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	630.9	7.9	60.9	78.2	93.3	94.2	91.6	70.4	64.3	48.6	21.5
Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	847.8	60.3	177.9	121.6	112.9	88.2	83.4	67.7	63.3	47.6	24.9
Maklumat dan komunikasi <i>Information and communication</i>	142.9	1.6	10.8	19.5	33.8	29.1	19.4	14.3	9.2	3.1	2.0
Kewangan dan insurans <i>Finance and insurance</i>	236.1	1.5	10.6	21.6	44.6	51.2	46.0	28.1	18.3	8.1	6.1
Hartanah <i>Real estate</i>	69.8	0.0	1.4	9.0	8.7	6.7	15.1	16.4	7.9	3.4	1.2
Profesional, saintifik dan teknikal <i>Professional, scientific and technical</i>	210.5	0.6	15.5	34.6	37.5	37.3	38.6	23.2	12.7	4.9	5.7
Pentadbiran dan khidmat sokongan <i>Administrative and support service</i>	589.6	13.4	84.9	89.1	90.5	70.5	70.0	60.7	52.9	37.9	19.6
Pentadbiran awam dan pertahanan <i>Public administration and defence</i>	581.4	0.4	54.6	77.3	88.6	131.5	90.2	50.8	45.7	36.0	6.4
Pendidikan <i>Education</i>	384.2	0.2	9.0	37.7	53.0	79.6	77.6	50.9	44.4	27.2	4.7
Kesihatan kemanusiaan dan kerja sosial <i>Human health and social work</i>	225.6	5.0	18.8	24.7	34.5	54.6	33.2	22.3	17.9	11.3	3.3
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	38.4	0.8	3.8	6.8	8.1	4.9	4.4	2.4	2.6	3.9	0.6
Perkhidmatan lain <i>Other service</i>	149.6	2.5	32.4	18.9	24.5	13.7	24.0	11.7	9.9	8.3	3.9
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	41.9	0.8	0.3	0.6	9.0	15.2	8.5	4.0	2.4	0.9	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, 2024 (samb.)
Table A4.17: Employed persons by industry, age group and sex, Malaysia, 2024 (cont'd)

Lelaki/Male											
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 Agriculture	11.7	7.8	8.1	8.3	11.9	11.6	12.6	11.9	12.3	17.8	26.5
Perlombongan dan pengkuarian Mining and quarrying	0.7	0.5	0.2	0.5	0.6	0.9	0.9	0.7	0.9	1.6	0.6
Pembuatan Manufacturing	16.1	14.4	19.5	19.8	16.8	15.3	14.3	15.8	13.3	12.5	11.1
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.6	0.5	0.6	0.9	0.4	0.7	0.5	0.5	0.5	0.5	0.4
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.7	0.2	0.5	0.8	0.8	0.9	0.8	0.6	0.7	0.7	0.8
Pembinaan Construction	12.3	8.0	9.9	14.4	11.2	11.5	12.2	13.9	14.7	13.0	13.7
Perdagangan borong dan runcit Wholesale and retail trade	17.4	37.2	23.4	19.7	17.7	13.7	14.0	14.9	14.6	14.1	15.6
Pengangkutan dan penyimpanan Transportation and storage	6.2	2.6	4.8	5.2	5.9	6.3	6.8	7.0	7.9	8.0	6.7
Makanan & minuman dan penginapan Food & beverages and accommodation	8.3	20.0	14.0	8.0	7.2	5.9	6.2	6.7	7.7	7.8	7.8
Maklumat dan komunikasi Information and communication	1.4	0.5	0.9	1.3	2.1	2.0	1.4	1.4	1.1	0.5	0.6
Kewangan dan insurans Finance and insurance	2.3	0.5	0.8	1.4	2.8	3.4	3.4	2.8	2.2	1.3	1.9
Hartanah Real estate	0.7	0.0	0.1	0.6	0.6	0.5	1.1	1.6	1.0	0.6	0.4
Profesional, saintifik dan teknikal Professional, scientific and technical	2.1	0.2	1.2	2.3	2.4	2.5	2.9	2.3	1.6	0.8	1.8
Pentadbiran dan khidmat sokongan Administrative and support service	5.7	4.5	6.7	5.9	5.7	4.7	5.2	6.0	6.5	6.2	6.1
Pentadbiran awam dan pertahanan Public administration and defence	5.7	0.1	4.3	5.1	5.6	8.8	6.7	5.0	5.6	5.9	2.0
Pendidikan Education	3.7	0.1	0.7	2.5	3.4	5.3	5.8	5.0	5.4	4.5	1.5
Kesihatan kemanusiaan dan kerja sosial Human health and social work	2.2	1.7	1.5	1.6	2.2	3.7	2.5	2.2	2.2	1.9	1.0
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.4	0.3	0.3	0.4	0.5	0.3	0.3	0.2	0.3	0.6	0.2
Perkhidmatan lain Other service	1.5	0.8	2.6	1.2	1.6	0.9	1.8	1.2	1.2	1.4	1.2
Aktiviti isi rumah sebagai majikan Activities of households as employers	0.4	0.3	0.0	0.0	0.6	1.0	0.6	0.4	0.3	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, 2024 (samb.)

Table A4.17: *Employed persons by industry, age group and sex, Malaysia, 2024 (cont'd)*

Perempuan/Female											
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 ('000) Total	6,112.3	150.1	768.4	1,011.8	960.7	900.9	889.4	582.5	448.6	253.8	146.0
Pertanian Agriculture	281.2	7.5	37.6	43.1	26.5	28.7	31.8	30.2	25.0	27.7	23.1
Perlombongan dan pengkuarian Mining and quarrying	17.8	0.0	3.0	1.4	2.1	2.1	5.8	1.7	0.5	1.2	0.0
Pembuatan Manufacturing	1,009.0	19.1	144.4	213.2	161.2	127.1	131.6	87.1	73.6	30.3	21.3
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	14.8	0.0	1.6	2.0	2.4	3.6	1.2	1.9	1.6	0.4	0.1
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	20.6	2.1	0.1	2.9	2.0	4.1	4.1	1.5	2.1	1.6	0.1
Pembinaan Construction	130.3	0.8	11.9	23.3	20.6	24.2	20.8	13.3	6.3	5.9	3.2
Perdagangan borong dan runcit Wholesale and retail trade	1,279.0	48.8	224.5	231.6	191.6	174.8	152.6	112.1	82.4	34.6	26.1
Pengangkutan dan penyimpanan Transportation and storage	120.5	0.1	13.0	30.4	19.5	19.1	15.3	9.8	7.7	3.5	2.1
Makanan & minuman dan penginapan Food & beverages and accommodation	769.2	45.7	141.9	105.7	85.9	96.0	87.9	69.7	62.9	43.5	30.1
Maklumat dan komunikasi Information and communication	143.5	0.3	15.4	19.0	29.3	38.2	19.3	7.3	8.1	5.9	0.9
Kewangan dan insurans Finance and insurance	208.5	3.9	15.5	25.5	44.5	32.4	47.9	19.4	11.1	4.7	3.5
Hartanah Real estate	31.7	0.0	0.8	3.5	7.8	7.2	3.5	6.1	0.9	1.3	0.6
Profesional, saintifik dan teknikal Professional, scientific and technical	186.0	1.8	14.2	26.8	45.4	24.8	38.0	12.8	12.6	4.4	5.3
Pentadbiran dan khidmat sokongan Administrative and support service	298.4	2.6	22.8	30.5	35.8	47.1	40.1	44.5	37.8	24.0	13.2
Pentadbiran awam dan pertahanan Public administration and defence	273.0	1.7	8.7	86.3	35.9	41.5	52.0	23.2	12.7	7.8	3.2
Pendidikan Education	658.2	6.2	38.0	74.2	113.4	114.8	138.4	79.2	58.4	31.8	3.9
Kesihatan kemanusiaan dan kerja sosial Human health and social work	457.9	4.5	44.8	64.7	103.5	75.2	74.4	45.5	23.3	15.7	6.4
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	35.2	0.5	3.9	5.9	4.9	6.0	4.6	3.0	2.6	2.8	1.0
Perkhidmatan lain Other service	114.9	3.7	14.5	12.6	18.1	23.1	10.5	10.7	16.0	5.0	0.6
Aktiviti isi rumah sebagai majikan Activities of households as employers	61.7	0.9	11.7	9.3	10.5	10.8	9.3	3.2	3.1	1.9	1.2

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, 2024 (samb.)

Table A4.17: *Employed persons by industry, age group and sex, Malaysia, 2024 (cont'd)*

Perempuan/Female											
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 <i>Agriculture</i>	4.6	5.0	4.9	4.3	2.8	3.2	3.6	5.2	5.6	10.9	15.8
Perlombongan dan pengkuarian <i>Mining and quarrying</i>	0.3	0.0	0.4	0.1	0.2	0.2	0.7	0.3	0.1	0.5	0.0
Pembuatan <i>Manufacturing</i>	16.5	12.7	18.8	21.1	16.8	14.1	14.8	15.0	16.4	11.9	14.6
Bekalan elektrik, gas, wap dan pendingin udara <i>Electricity, gas, steam and air conditioning supply</i>	0.2	0.0	0.2	0.2	0.2	0.4	0.1	0.3	0.4	0.2	0.1
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	0.3	1.4	0.0	0.3	0.2	0.5	0.5	0.3	0.5	0.6	0.1
Pembinaan <i>Construction</i>	2.1	0.5	1.5	2.3	2.1	2.7	2.3	2.3	1.4	2.3	2.2
Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	20.9	32.5	29.2	22.9	19.9	19.4	17.2	19.2	18.4	13.6	17.9
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	2.0	0.1	1.7	3.0	2.0	2.1	1.7	1.7	1.7	1.4	1.4
Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	12.6	30.4	18.5	10.4	8.9	10.7	9.9	12.0	14.0	17.1	20.6
Maklumat dan komunikasi <i>Information and communication</i>	2.3	0.2	2.0	1.9	3.0	4.2	2.2	1.3	1.8	2.3	0.6
Kewangan dan insurans <i>Finance and insurance</i>	3.4	2.6	2.0	2.5	4.6	3.6	5.4	3.3	2.5	1.9	2.4
Hartanah <i>Real estate</i>	0.5	0.0	0.1	0.3	0.8	0.8	0.4	1.0	0.2	0.5	0.4
Profesional, saintifik dan teknikal <i>Professional, scientific and technical</i>	3.0	1.2	1.8	2.6	4.7	2.8	4.3	2.2	2.8	1.7	3.6
Pentadbiran dan khidmat sokongan <i>Administrative and support service</i>	4.9	1.7	3.0	3.0	3.7	5.2	4.5	7.6	8.4	9.5	9.0
Pentadbiran awam dan pertahanan <i>Public administration and defence</i>	4.5	1.1	1.1	8.5	3.7	4.6	5.8	4.0	2.8	3.1	2.2
Pendidikan <i>Education</i>	10.8	4.1	4.9	7.3	11.8	12.7	15.6	13.6	13.0	12.5	2.7
Kesihatan kemanusiaan dan kerja sosial <i>Human health and social work</i>	7.5	3.0	5.8	6.4	10.8	8.3	8.4	7.8	5.2	6.2	4.4
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	0.6	0.3	0.5	0.6	0.5	0.7	0.5	0.5	0.6	1.1	0.7
Perkhidmatan lain <i>Other service</i>	1.9	2.5	1.9	1.2	1.9	2.6	1.2	1.8	3.6	2.0	0.4
Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>	1.0	0.6	1.5	0.9	1.1	1.2	1.0	0.5	0.7	0.7	0.8

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, 2024

Table A4.18: *Employed persons by industry, age group and strata, Malaysia, 2024*

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	3,622.2	93.7	511.5	629.7	533.1	476.6	428.0	332.4	273.8	211.6	131.7
Pertanian Agriculture	1,086.0	23.1	96.4	134.4	162.3	160.5	150.6	107.1	91.4	84.2	76.0
Perlombongan dan pengkuarian Mining and quarrying	14.1	0.3	1.4	1.9	2.8	1.8	2.0	1.6	1.0	0.7	0.3
Pembuatan Manufacturing	509.1	14.6	93.5	111.1	75.7	63.3	47.0	36.9	32.9	24.6	9.7
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	19.0	0.1	2.1	4.3	3.3	3.5	1.7	1.5	1.4	0.6	0.5
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	18.0	0.1	2.0	3.7	2.3	3.6	2.6	1.4	1.2	0.9	0.3
Pembinaan Construction	261.2	4.7	38.3	43.9	38.0	31.2	31.6	28.7	23.3	13.1	8.3
Perdagangan borong dan runcit Wholesale and retail trade	523.7	23.5	125.4	127.7	76.9	51.5	37.5	28.7	25.1	17.6	9.8
Pengangkutan dan penyimpanan Transportation and storage	118.4	1.9	15.1	17.0	17.7	16.5	18.8	13.3	9.0	5.9	3.1
Makanan & minuman dan penginapan Food & beverages and accommodation	270.2	14.3	53.9	49.4	30.0	28.0	24.1	23.6	21.1	16.1	9.8
Maklumat dan komunikasi Information and communication	25.9	0.4	4.7	4.3	4.4	5.8	2.1	1.8	1.4	0.7	0.4
Kewangan dan insurans Finance and insurance	34.6	1.0	6.2	4.4	6.0	5.0	4.2	3.3	2.9	1.1	0.4
Hartanah Real estate	3.1	0.0	0.4	0.5	0.8	0.4	0.5	0.4	0.2	0.0	0.0
Profesional, saintifik dan teknikal Professional, scientific and technical	26.2	0.5	6.9	5.2	4.6	3.4	2.1	1.5	0.8	0.9	0.3
Pentadbiran dan khidmat sokongan Administrative and support service	191.1	3.7	22.3	24.5	28.6	24.6	23.0	23.6	19.3	14.4	7.2
Pentadbiran awam dan pertahanan Public administration and defence	159.0	0.3	7.3	42.2	22.8	26.1	23.3	14.3	11.5	9.6	1.8
Pendidikan Education	206.3	1.9	13.6	28.3	29.7	27.7	38.3	28.8	22.5	14.2	1.4
Kesihatan kemanusiaan dan kerja sosial Human health and social work	107.4	1.8	11.7	16.9	21.7	18.1	13.6	11.5	5.8	4.8	1.6
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	12.5	0.5	1.7	3.5	2.2	1.4	1.4	0.5	1.0	0.3	0.1
Perkhidmatan lain Other service	27.7	0.8	6.4	4.3	3.3	3.0	2.2	3.3	1.8	1.7	0.7
Aktiviti isi rumah sebagai majikan Activities of households as employers	8.7	0.2	2.4	2.3	0.2	1.3	1.4	0.6	0.0	0.3	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, 2024 (samb.)

Table A4.18: Employed persons by industry, age group and strata, Malaysia, 2024 (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 Agriculture	30.0	24.7	18.8	21.3	30.4	33.7	35.2	32.2	33.4	39.8	57.7
Perlombongan dan pengkuarian Mining and quarrying	0.4	0.3	0.3	0.3	0.5	0.4	0.5	0.5	0.4	0.3	0.2
Pembuatan Manufacturing	14.1	15.6	18.3	17.6	14.2	13.3	11.0	11.1	12.0	11.6	7.4
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.5	0.1	0.4	0.7	0.6	0.7	0.4	0.5	0.5	0.3	0.4
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.5	0.1	0.4	0.6	0.4	0.8	0.6	0.4	0.4	0.4	0.2
Pembinaan Construction	7.2	5.0	7.5	7.0	7.1	6.5	7.4	8.6	8.5	6.2	6.3
Perdagangan borong dan runcit Wholesale and retail trade	14.5	25.1	24.5	20.3	14.4	10.8	8.8	8.6	9.2	8.3	7.4
Pengangkutan dan penyimpanan Transportation and storage	3.3	2.0	3.0	2.7	3.3	3.5	4.4	4.0	3.3	2.8	2.4
Makanan & minuman dan penginapan Food & beverages and accommodation	7.5	15.3	10.5	7.8	5.6	5.9	5.6	7.1	7.7	7.6	7.4
Maklumat dan komunikasi Information and communication	0.7	0.4	0.9	0.7	0.8	1.2	0.5	0.5	0.5	0.3	0.3
Kewangan dan insurans Finance and insurance	1.0	1.1	1.2	0.7	1.1	1.0	1.0	1.0	1.1	0.5	0.3
Hartanah Real estate	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0
Profesional, saintifik dan teknikal Professional, scientific and technical	0.7	0.5	1.3	0.8	0.9	0.7	0.5	0.5	0.3	0.4	0.2
Pentadbiran dan khidmat sokongan Administrative and support service	5.3	3.9	4.4	3.9	5.4	5.2	5.4	7.1	7.0	6.8	5.5
Pentadbiran awam dan pertahanan Public administration and defence	4.4	0.3	1.4	6.7	4.3	5.5	5.4	4.3	4.2	4.5	1.4
Pendidikan Education	5.7	2.0	2.7	4.5	5.6	5.8	8.9	8.7	8.2	6.7	1.1
Kesihatan kemanusiaan dan kerja sosial Human health and social work	3.0	1.9	2.3	2.7	4.1	3.8	3.2	3.5	2.1	2.3	1.2
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.3	0.5	0.3	0.6	0.4	0.3	0.3	0.2	0.4	0.1	0.1
Perkhidmatan lain Other service	0.8	0.9	1.3	0.7	0.6	0.6	0.5	1.0	0.7	0.8	0.5
Aktiviti isi rumah sebagai majikan Activities of households as employers	0.2	0.2	0.5	0.4	0.0	0.3	0.3	0.2	0.0	0.1	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, 2024 (samb.)

Table A4.18: *Employed persons by industry, age group and strata, Malaysia, 2024 (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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pertanian Agriculture	3.1	2.2	2.9	1.8	2.6	2.2	2.8	3.5	3.5	7.9	9.5
Perlombongan dan pengkuarian Mining and quarrying	0.6	0.3	0.3	0.3	0.4	0.7	0.9	0.5	0.7	1.6	0.4
Pembuatan Manufacturing	16.9	13.4	19.5	21.2	17.5	15.2	15.3	16.6	15.1	12.6	14.1
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.5	0.4	0.5	0.6	0.3	0.6	0.4	0.4	0.5	0.4	0.2
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.6	0.7	0.3	0.6	0.6	0.7	0.7	0.5	0.6	0.7	0.7
Pembinaan Construction	8.9	5.6	6.5	10.4	8.0	8.5	8.5	9.9	10.4	11.0	11.5
Perdagangan borong dan runcit Wholesale and retail trade	19.9	38.4	25.9	21.2	19.6	17.1	16.8	18.6	17.8	15.8	19.9
Pengangkutan dan penyimpanan Transportation and storage	5.0	1.7	3.9	4.8	4.7	5.1	4.9	5.3	6.3	7.1	6.1
Makanan & minuman dan penginapan Food & beverages and accommodation	10.6	25.7	17.4	9.4	8.4	8.2	8.1	9.0	10.6	11.6	13.6
Maklumat dan komunikasi Information and communication	2.0	0.4	1.4	1.8	2.9	3.2	2.0	1.6	1.6	1.3	0.7
Kewangan dan insurans Finance and insurance	3.2	1.2	1.3	2.3	4.1	4.1	5.0	3.5	2.7	1.8	2.7
Hartanah Real estate	0.8	0.0	0.1	0.6	0.8	0.7	1.0	1.8	0.9	0.7	0.6
Profesional, saintifik dan teknikal Professional, scientific and technical	2.9	0.5	1.5	3.0	3.9	3.1	4.1	2.7	2.5	1.3	3.2
Pentadbiran dan khidmat sokongan Administrative and support service	5.5	3.4	5.6	5.0	4.9	4.9	4.8	6.5	7.2	7.3	7.7
Pentadbiran awam dan pertahanan Public administration and defence	5.5	0.5	3.7	6.4	5.1	7.7	6.6	4.7	4.7	5.3	2.4
Pendidikan Education	6.6	1.3	2.2	4.4	6.8	8.7	9.8	8.0	8.1	6.9	2.2
Kesihatan kemanusiaan dan kerja sosial Human health and social work	4.5	2.1	3.4	3.8	5.8	5.8	5.2	4.5	3.6	3.4	2.4
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.5	0.2	0.4	0.5	0.5	0.5	0.4	0.4	0.4	1.0	0.4
Perkhidmatan lain Other service	1.9	1.5	2.6	1.4	2.0	1.8	1.8	1.5	2.4	1.8	1.1
Aktiviti isi rumah sebagai majikan Activities of households as employers	0.7	0.4	0.6	0.4	1.0	1.3	0.9	0.5	0.5	0.4	0.4

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, 2024 (samb.)

Table A4.18: Employed persons by industry, age group and strata, Malaysia, 2024 (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 Agriculture	30.0	24.7	18.8	21.3	30.4	33.7	35.2	32.2	33.4	39.8	57.7
Perlombongan dan pengkuarian Mining and quarrying	0.4	0.3	0.3	0.3	0.5	0.4	0.5	0.5	0.4	0.3	0.2
Pembuatan Manufacturing	14.1	15.6	18.3	17.6	14.2	13.3	11.0	11.1	12.0	11.6	7.4
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	0.5	0.1	0.4	0.7	0.6	0.7	0.4	0.5	0.5	0.3	0.4
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	0.5	0.1	0.4	0.6	0.4	0.8	0.6	0.4	0.4	0.4	0.2
Pembinaan Construction	7.2	5.0	7.5	7.0	7.1	6.5	7.4	8.6	8.5	6.2	6.3
Perdagangan borong dan runcit Wholesale and retail trade	14.5	25.1	24.5	20.3	14.4	10.8	8.8	8.6	9.2	8.3	7.4
Pengangkutan dan penyimpanan Transportation and storage	3.3	2.0	3.0	2.7	3.3	3.5	4.4	4.0	3.3	2.8	2.4
Makanan & minuman dan penginapan Food & beverages and accommodation	7.5	15.3	10.5	7.8	5.6	5.9	5.6	7.1	7.7	7.6	7.4
Maklumat dan komunikasi Information and communication	0.7	0.4	0.9	0.7	0.8	1.2	0.5	0.5	0.5	0.3	0.3
Kewangan dan insurans Finance and insurance	1.0	1.1	1.2	0.7	1.1	1.0	1.0	1.0	1.1	0.5	0.3
Hartanah Real estate	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0
Profesional, saintifik dan teknikal Professional, scientific and technical	0.7	0.5	1.3	0.8	0.9	0.7	0.5	0.5	0.3	0.4	0.2
Pentadbiran dan khidmat sokongan Administrative and support service	5.3	3.9	4.4	3.9	5.4	5.2	5.4	7.1	7.0	6.8	5.5
Pentadbiran awam dan pertahanan Public administration and defence	4.4	0.3	1.4	6.7	4.3	5.5	5.4	4.3	4.2	4.5	1.4
Pendidikan Education	5.7	2.0	2.7	4.5	5.6	5.8	8.9	8.7	8.2	6.7	1.1
Kesihatan kemanusiaan dan kerja sosial Human health and social work	3.0	1.9	2.3	2.7	4.1	3.8	3.2	3.5	2.1	2.3	1.2
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	0.3	0.5	0.3	0.6	0.4	0.3	0.3	0.2	0.4	0.1	0.1
Perkhidmatan lain Other service	0.8	0.9	1.3	0.7	0.6	0.6	0.5	1.0	0.7	0.8	0.5
Aktiviti isi rumah sebagai majikan Activities of households as employers	0.2	0.2	0.5	0.4	0.0	0.3	0.3	0.2	0.0	0.1	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, 2024
Table A4.19: Employed persons by status in employment, strata and sex, Malaysia, 2024

Taraf pekerjaan Status in employment	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	16,369.4	10,257.1	6,112.3	12,747.2	7,814.2	4,933.0	3,622.2	2,442.9	1,179.3
Majikan Employer	609.8	466.8	143.0	552.7	426.5	126.2	57.1	40.3	16.9
Pekerja Employee	12,857.5	7,838.5	5,019.0	10,278.6	6,120.0	4,158.6	2,578.9	1,718.5	860.4
Bekerja sendiri Own account worker	2,516.4	1,787.3	729.1	1,675.6	1,151.8	523.7	840.8	635.5	205.3
Pekerja keluarga tanpa gaji Unpaid family worker	385.6	164.5	221.2	240.3	115.8	124.5	145.3	48.6	96.7
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	3.7	4.6	2.3	4.3	5.5	2.6	1.6	1.6	1.4
Pekerja Employee	78.5	76.4	82.1	80.6	78.3	84.3	71.2	70.3	73.0
Bekerja sendiri Own account worker	15.4	17.4	11.9	13.1	14.7	10.6	23.2	26.0	17.4
Pekerja keluarga tanpa gaji Unpaid family worker	2.4	1.6	3.6	1.9	1.5	2.5	4.0	2.0	8.2

Jadual A4.20: Penduduk bekerja mengikut taraf pekerjaan dan kumpulan etnik, Malaysia, 2024
Table A4.20: Employed persons by status in employment and ethnic group, Malaysia, 2024

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>	16,369.4	14,008.8	9,554.6	3,408.2	961.4	84.5	2,360.6
Majikan <i>Employer</i>	609.8	588.6	234.6	306.5	44.8	2.8	21.2
Pekerja <i>Employee</i>	12,857.5	10,829.5	7,501.2	2,467.8	798.9	61.5	2,028.0
Bekerja sendiri <i>Own account worker</i>	2,516.4	2,244.0	1,605.1	526.3	97.4	15.2	272.3
Pekerja keluarga tanpa gaji <i>Unpaid family worker</i>	385.6	346.6	213.7	107.6	20.3	5.0	39.0
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan <i>Employer</i>	3.7	4.2	2.5	9.0	4.7	3.3	0.9
Pekerja <i>Employee</i>	78.5	77.3	78.5	72.4	83.1	72.8	85.9
Bekerja sendiri <i>Own account worker</i>	15.4	16.0	16.8	15.4	10.1	18.0	11.5
Pekerja keluarga tanpa gaji <i>Unpaid family worker</i>	2.4	2.5	2.2	3.2	2.1	5.9	1.7

Jadual A4.21: Penduduk bekerja mengikut taraf pekerjaan, kumpulan etnik dan jantina, Malaysia, 2024
Table A4.21: Employed persons by status in employment, ethnic group and sex, Malaysia, 2024

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	10,257.1	8,368.1	5,785.4	1,953.5	574.2	55.0	1,889.0
Majikan Employer	466.8	447.6	166.8	241.5	37.6	1.8	19.2
Pekerja Employee	7,838.5	6,210.4	4,422.8	1,291.7	456.6	39.2	1,628.2
Bekerja sendiri Own account worker	1,787.3	1,563.1	1,128.1	361.1	63.4	10.4	224.2
Pekerja keluarga tanpa gaji Unpaid family worker	164.5	147.1	67.6	59.2	16.6	3.7	17.4
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	4.6	5.3	2.9	12.4	6.5	3.3	1.0
Pekerja Employee	76.4	74.2	76.4	66.1	79.5	71.3	86.2
Bekerja sendiri Own account worker	17.4	18.7	19.5	18.5	11.0	18.9	11.9
Pekerja keluarga tanpa gaji Unpaid family worker	1.6	1.8	1.2	3.0	2.9	6.7	0.9

Jadual A4.21: Penduduk bekerja mengikut taraf pekerjaan, kumpulan etnik dan jantina, Malaysia, 2024 (samb.)
Table A4.21: Employed persons by status in employment, ethnic group and sex, Malaysia, 2024 (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	10,257.1	8,368.1	5,785.4	1,953.5	574.2	55.0	1,889.0
Majikan Employer	466.8	447.6	166.8	241.5	37.6	1.8	19.2
Pekerja Employee	7,838.5	6,210.4	4,422.8	1,291.7	456.6	39.2	1,628.2
Bekerja sendiri Own account worker	1,787.3	1,563.1	1,128.1	361.1	63.4	10.4	224.2
Pekerja keluarga tanpa gaji Unpaid family worker	164.5	147.1	67.6	59.2	16.6	3.7	17.4
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	4.6	5.3	2.9	12.4	6.5	3.3	1.0
Pekerja Employee	76.4	74.2	76.4	66.1	79.5	71.3	86.2
Bekerja sendiri Own account worker	17.4	18.7	19.5	18.5	11.0	18.9	11.9
Pekerja keluarga tanpa gaji Unpaid family worker	1.6	1.8	1.2	3.0	2.9	6.7	0.9

Jadual A4.22: Penduduk bekerja mengikut taraf pekerjaan, kumpulan etnik dan strata, Malaysia, 2024
Table A4.22: Employed persons by status in employment, ethnic group and strata, Malaysia, 2024

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	12,747.2	11,146.6	6,966.7	3,221.3	897.5	61.2	1,600.6
Majikan Employer	552.7	533.5	195.9	291.6	43.3	2.7	19.2
Pekerja Employee	10,278.6	8,925.9	5,774.5	2,359.6	745.0	46.8	1,352.7
Bekerja sendiri Own account worker	1,675.6	1,473.2	903.5	473.0	89.4	7.3	202.4
Pekerja keluarga tanpa gaji Unpaid family worker	240.3	214.0	92.8	97.0	19.8	4.5	26.3
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	4.3	4.8	2.8	9.1	4.8	4.4	1.2
Pekerja Employee	80.6	80.1	82.9	73.2	83.0	76.5	84.5
Bekerja sendiri Own account worker	13.1	13.2	13.0	14.7	10.0	11.9	12.6
Pekerja keluarga tanpa gaji Unpaid family worker	1.9	1.9	1.3	3.0	2.2	7.4	1.6

Jadual A4.22: Penduduk bekerja mengikut taraf pekerjaan, kumpulan etnik dan strata, Malaysia, 2024 (samb.)
Table A4.22: Employed persons by status in employment, ethnic group and strata, Malaysia, 2024 (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	3,622.2	2,862.2	2,587.9	186.9	64.0	23.3	760.0
Majikan Employer	57.1	55.1	38.7	14.9	1.4	0.1	2.0
Pekerja Employee	2,578.9	1,903.6	1,726.7	108.2	54.0	14.7	675.3
Bekerja sendiri Own account worker	840.8	770.8	701.6	53.3	8.0	7.9	69.9
Pekerja keluarga tanpa gaji Unpaid family worker	145.3	132.6	120.9	10.6	0.6	0.6	12.7
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	1.6	1.9	1.5	8.0	2.2	0.4	0.3
Pekerja Employee	71.2	66.5	66.7	57.9	84.4	63.1	88.9
Bekerja sendiri Own account worker	23.2	26.9	27.1	28.5	12.5	33.9	9.2
Pekerja keluarga tanpa gaji Unpaid family worker	4.0	4.6	4.7	5.7	0.9	2.6	1.7

Jadual A4.23: Penduduk bekerja mengikut taraf pekerjaan dan kumpulan umur, Malaysia, 2024
Table A4.23: Employed persons by status in employment and age group, Malaysia, 2024

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	16,369.4	451.1	2,038.2	2,526.7	2,538.7	2,389.1	2,236.2	1,595.0	1,267.8	860.9	465.7
Majikan Employer	609.8	0.2	7.4	34.2	55.2	72.7	116.2	117.7	101.8	64.3	40.1
Pekerja Employee	12,857.5	362.8	1,736.3	2,176.1	2,098.9	1,920.5	1,801.4	1,169.6	860.4	500.7	230.7
Bekerja sendiri Own account worker	2,516.4	55.5	231.1	268.5	327.6	344.6	294.6	286.0	282.0	249.5	176.9
Pekerja keluarga tanpa gaji Unpaid family worker	385.6	32.5	63.4	47.9	56.9	51.3	24.1	21.7	23.7	46.3	17.9
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	3.7	0.0	0.4	1.4	2.2	3.0	5.2	7.4	8.0	7.5	8.6
Pekerja Employee	78.5	80.4	85.2	86.1	82.7	80.4	80.6	73.3	67.9	58.2	49.5
Bekerja sendiri Own account worker	15.4	12.3	11.3	10.6	12.9	14.4	13.2	17.9	22.2	29.0	38.0
Pekerja keluarga tanpa gaji Unpaid family worker	2.4	7.2	3.1	1.9	2.2	2.1	1.1	1.4	1.9	5.4	3.8

Jadual A4.24: Penduduk bekerja mengikut taraf pekerjaan, kumpulan umur dan jantina, Malaysia, 2024
Table A4.24: Employed persons by status in employment, age group and sex, Malaysia, 2024

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	10,257.1	301.0	1,269.8	1,514.9	1,578.0	1,488.2	1,346.8	1,012.6	819.1	607.0	319.6
Majikan Employer	466.8	0.2	4.8	17.8	39.4	49.1	91.7	92.6	83.5	52.1	35.6
Pekerja Employee	7,838.5	250.3	1,091.8	1,304.7	1,278.7	1,199.8	1,023.2	704.8	524.2	321.7	139.4
Bekerja sendiri Own account worker	1,787.3	31.6	139.3	169.4	223.1	227.7	228.0	212.4	209.2	204.0	142.7
Pekerja keluarga tanpa gaji Unpaid family worker	164.5	18.9	33.8	23.2	36.7	11.6	4.1	2.8	2.3	29.2	2.0
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	4.6	0.1	0.4	1.2	2.5	3.3	6.8	9.1	10.2	8.6	11.1
Pekerja Employee	76.4	83.2	86.0	86.1	81.0	80.6	76.0	69.6	64.0	53.0	43.6
Bekerja sendiri Own account worker	17.4	10.5	11.0	11.2	14.1	15.3	16.9	21.0	25.5	33.6	44.6
Pekerja keluarga tanpa gaji Unpaid family worker	1.6	6.3	2.7	1.5	2.3	0.8	0.3	0.3	0.3	4.8	0.6

Jadual A4.24: Penduduk bekerja mengikut taraf pekerjaan, kumpulan umur dan jantina, Malaysia, 2024 (samb.)
Table A4.24: Employed persons by status in employment, age group and sex, Malaysia, 2024 (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	6,112.3	150.1	768.4	1,011.8	960.7	900.9	889.4	582.5	448.6	253.8	146.0
Majikan Employer	143.0	0.0	2.5	16.5	15.9	23.6	24.5	25.1	18.3	12.2	4.5
Pekerja Employee	5,019.0	112.5	644.5	871.5	820.2	720.7	778.3	464.8	336.2	178.9	91.4
Bekerja sendiri Own account worker	729.1	23.9	91.8	99.1	104.4	117.0	66.6	73.6	72.7	45.6	34.3
Pekerja keluarga tanpa gaji Unpaid family worker	221.2	13.7	29.6	24.7	20.2	39.7	20.0	18.9	21.4	17.1	15.9
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Majikan Employer	2.3	0.0	0.3	1.6	1.7	2.6	2.8	4.3	4.1	4.8	3.1
Pekerja Employee	82.1	75.0	83.9	86.1	85.4	80.0	87.5	79.8	74.9	70.5	62.6
Bekerja sendiri Own account worker	11.9	15.9	11.9	9.8	10.9	13.0	7.5	12.6	16.2	18.0	23.5
Pekerja keluarga tanpa gaji Unpaid family worker	3.6	9.1	3.9	2.4	2.1	4.4	2.2	3.2	4.8	6.7	10.9

Jadual A4.25: Penduduk bekerja mengikut taraf pekerjaan, kumpulan umur dan strata, Malaysia, 2024
Table A4.25: Employed persons by status in employment, age group and strata, Malaysia, 2024

Bandar/Urban											
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	12,747.2	357.4	1,526.6	1,897.1	2,005.5	1,912.5	1,808.3	1,262.6	993.9	649.3	334.0
Majikan Employer	552.7	0.2	6.1	29.2	48.8	65.4	108.5	110.0	93.3	56.8	34.5
Pekerja Employee	10,278.6	289.0	1,310.1	1,651.5	1,683.9	1,568.4	1,498.6	964.9	710.2	404.4	197.5
Bekerja sendiri Own account worker	1,675.6	46.1	173.0	183.4	229.0	240.7	189.4	181.0	181.8	154.8	96.3
Pekerja keluarga tanpa gaji Unpaid family worker	240.3	22.0	37.4	33.0	43.9	37.9	11.7	6.7	8.7	33.2	5.7
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	4.3	0.1	0.4	1.5	2.4	3.4	6.0	8.7	9.4	8.7	10.3
Pekerja Employee	80.6	80.9	85.8	87.1	84.0	82.0	82.9	76.4	71.5	62.3	59.1
Bekerja sendiri Own account worker	13.1	12.9	11.3	9.7	11.4	12.6	10.5	14.3	18.3	23.8	28.8
Pekerja keluarga tanpa gaji Unpaid family worker	1.9	6.2	2.4	1.7	2.2	2.0	0.6	0.5	0.9	5.1	1.7

Jadual A4.25: Penduduk bekerja mengikut taraf pekerjaan, kumpulan umur dan strata, Malaysia, 2024 (samb.)
Table A4.25: Employed persons by status in employment, age group and strata, Malaysia, 2024 (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	3,622.2	93.7	511.5	629.7	533.1	476.6	428.0	332.4	273.8	211.6	131.7
Majikan Employer	57.1	0.0	1.3	5.0	6.5	7.3	7.7	7.7	8.5	7.5	5.7
Pekerja Employee	2,578.9	73.8	426.2	524.7	415.0	352.1	302.8	204.7	150.2	96.2	33.3
Bekerja sendiri Own account worker	840.8	9.4	58.1	85.2	98.6	103.9	105.1	105.0	100.2	94.7	80.6
Pekerja keluarga tanpa gaji Unpaid family worker	145.3	10.5	26.0	14.8	13.1	13.3	12.3	15.0	15.0	13.2	12.1
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	1.6	0.0	0.3	0.8	1.2	1.5	1.8	2.3	3.1	3.5	4.3
Pekerja Employee	71.2	78.8	83.3	83.3	77.8	73.9	70.7	61.6	54.9	45.5	25.3
Bekerja sendiri Own account worker	23.2	10.0	11.4	13.5	18.5	21.8	24.6	31.6	36.6	44.8	61.2
Pekerja keluarga tanpa gaji Unpaid family worker	4.0	11.2	5.1	2.4	2.5	2.8	2.9	4.5	5.5	6.2	9.2

Jadual A4.26: Penduduk bekerja mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2024
Table A4.26: Employed persons by educational attainment, strata and sex, Malaysia, 2024

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>	16,369.4	10,257.1	6,112.3	12,747.2	7,814.2	4,933.0	3,622.2	2,442.9	1,179.3
Tiada pendidikan rasmi <i>No formal education</i>	356.4	235.5	121.0	214.1	139.3	74.8	142.3	96.2	46.1
Rendah <i>Primary</i>	1,344.6	1,006.8	337.8	670.7	490.3	180.3	673.9	516.4	157.5
Menengah <i>Secondary</i>	8,950.6	6,018.6	2,932.0	6,801.5	4,519.4	2,282.2	2,149.1	1,499.3	649.8
Tertiari <i>Tertiary</i>	5,717.7	2,996.2	2,721.5	5,060.9	2,665.2	2,395.7	656.8	331.0	325.8
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>	2.2	2.3	2.0	1.7	1.8	1.5	3.9	3.9	3.9
Rendah <i>Primary</i>	8.2	9.8	5.5	5.3	6.3	3.7	18.6	21.1	13.4
Menengah <i>Secondary</i>	54.7	58.7	48.0	53.4	57.8	46.3	59.3	61.4	55.1
Tertiari <i>Tertiary</i>	34.9	29.2	44.5	39.7	34.1	48.6	18.1	13.5	27.6

Jadual A4.27: Penduduk bekerja mengikut pencapaian pendidikan dan kumpulan etnik, Malaysia, 2024
Table A4.27: Employed persons by educational attainment and ethnic group, Malaysia, 2024

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>	16,369.4	14,008.8	9,554.6	3,408.2	961.4	84.5	2,360.6
Tiada pendidikan rasmi <i>No formal education</i>	356.4	111.6	93.4	9.9	6.2	2.0	244.8
Rendah <i>Primary</i>	1,344.6	615.6	449.8	112.5	41.9	11.3	729.0
Menengah <i>Secondary</i>	8,950.6	7,751.5	5,446.8	1,723.3	542.1	39.3	1,199.1
Tertiari <i>Tertiary</i>	5,717.7	5,530.1	3,564.6	1,562.4	371.3	31.9	187.6
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	0.3	0.6	2.4	10.4
Rendah <i>Primary</i>	8.2	4.4	4.7	3.3	4.4	13.4	30.9
Menengah <i>Secondary</i>	54.7	55.3	57.0	50.6	56.4	46.5	50.8
Tertiari <i>Tertiary</i>	34.9	39.5	37.3	45.8	38.6	37.8	7.9

Jadual A4.28: Penduduk bekerja mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2024
Table A4.28: Employed persons by educational attainment, ethnic group and sex, Malaysia, 2024

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	10,257.1	8,368.1	5,785.4	1,953.5	574.2	55.0	1,889.0
Tiada pendidikan rasmi No formal education	235.5	67.9	58.3	4.8	3.4	1.4	167.6
Rendah Primary	1,006.8	439.5	327.7	77.9	25.6	8.3	567.3
Menengah Secondary	6,018.6	5,018.5	3,594.3	1,059.5	340.0	24.7	1,000.1
Tertiari Tertiary	2,996.2	2,842.2	1,805.1	811.3	205.2	20.6	154.0
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi No formal education	2.3	0.8	1.0	0.2	0.6	2.5	8.9
Rendah Primary	9.8	5.3	5.7	4.0	4.5	15.1	30.0
Menengah Secondary	58.7	60.0	62.1	54.2	59.2	44.9	52.9
Tertiari Tertiary	29.2	34.0	31.2	41.5	35.7	37.5	8.2

Jadual A4.28: Penduduk bekerja mengikut pencapaian pendidikan, kumpulan etnik dan jantina, Malaysia, 2024 (samb.)
Table A4.28: Employed persons by educational attainment, ethnic group and sex, Malaysia, 2024 (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) Total	6,112.3	5,640.7	3,769.3	1,454.6	387.3	29.5	471.6
Tiada pendidikan rasmi No formal education	121.0	43.7	35.1	5.1	2.8	0.6	77.3
Rendah Primary	337.8	176.1	122.1	34.6	16.3	3.0	161.8
Menengah Secondary	2,932.0	2,733.0	1,852.5	663.8	202.1	14.6	199.0
Tertiari Tertiary	2,721.5	2,687.9	1,759.4	751.1	166.1	11.2	33.6
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi No formal education	2.0	0.8	0.9	0.4	0.7	2.0	16.4
Rendah Primary	5.5	3.1	3.2	2.4	4.2	10.2	34.3
Menengah Secondary	48.0	48.5	49.1	45.6	52.2	49.5	42.2
Tertiari Tertiary	44.5	47.7	46.7	51.6	42.9	38.0	7.1

Jadual A4.29: Penduduk bekerja mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2024
Table A4.29: Employed persons by educational attainment, ethnic group and strata, Malaysia, 2024

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	12,747.2	11,146.6	6,966.7	3,221.3	897.5	61.2	1,600.6
Tiada pendidikan rasmi No formal education	214.1	48.0	34.0	8.3	4.8	0.9	166.1
Rendah Primary	670.7	297.7	164.4	92.8	35.5	5.0	373.0
Menengah Secondary	6,801.5	5,917.8	3,802.7	1,589.9	498.2	26.9	883.8
Tertiari Tertiary	5,060.9	4,883.2	2,965.6	1,530.2	359.0	28.4	177.7
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi No formal education	1.7	0.4	0.5	0.3	0.5	1.5	10.4
Rendah Primary	5.3	2.7	2.4	2.9	4.0	8.2	23.3
Menengah Secondary	53.4	53.1	54.6	49.4	55.5	44.0	55.2
Tertiari Tertiary	39.7	43.8	42.6	47.5	40.0	46.4	11.1

Jadual A4.29: Penduduk bekerja mengikut pencapaian pendidikan, kumpulan etnik dan strata, Malaysia, 2024 (samb.)
Table A4.29: Employed persons by educational attainment, ethnic group and strata, Malaysia, 2024 (cont'd)

Luar bandar/Rural							
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	3,622.2	2,862.2	2,587.9	186.9	64.0	23.3	760.0
Tiada pendidikan rasmi No formal education	142.3	63.6	59.4	1.6	1.4	1.2	78.7
Rendah Primary	673.9	317.9	285.5	19.7	6.4	6.4	356.0
Menengah Secondary	2,149.1	1,833.8	1,644.1	133.4	43.9	12.4	315.3
Tertiari Tertiary	656.8	646.9	599.0	32.2	12.3	3.4	9.9
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tiada pendidikan rasmi No formal education	3.9	2.2	2.3	0.9	2.2	5.2	10.4
Rendah Primary	18.6	11.1	11.0	10.5	10.0	27.5	46.8
Menengah Secondary	59.3	64.1	63.5	71.4	68.6	53.2	41.5
Tertiari Tertiary	18.1	22.6	23.1	17.2	19.2	14.6	1.3

Jadual A4.30: Penduduk bekerja mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2024
Table A4.30: Employed persons by highest certificate obtained, strata and sex, Malaysia, 2024

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	16,369.4	10,257.1	6,112.3	12,747.2	7,814.2	4,933.0	3,622.2	2,442.9	1,179.3
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	1,099.0	842.6	256.4	604.1	459.2	144.9	494.8	383.4	111.5
PT3/PMR/SRP/LCE/SRA atau yang setaraf PT3/PMR/SRP/LCE/SRA or equivalent	1,429.2	1,089.5	339.8	925.6	694.7	230.9	503.6	394.7	108.8
SPM atau yang setaraf SPM or equivalent	7,296.0	4,721.7	2,574.3	5,733.2	3,686.7	2,046.5	1,562.8	1,034.9	527.8
STPM atau yang setaraf STPM or equivalent	566.9	279.5	287.5	467.9	230.2	237.7	99.0	49.2	49.8
Sijil Certificate	477.7	332.1	145.6	397.1	273.2	123.9	80.5	58.9	21.7
Diploma	1,851.1	955.1	896.0	1,637.0	846.5	790.6	214.1	108.7	105.4
Ijazah Degree	2,744.0	1,391.3	1,352.7	2,488.5	1,281.2	1,207.4	255.4	110.2	145.3
Tiada sijil No certificate	552.5	412.0	140.5	281.3	204.3	77.1	271.2	207.8	63.4
Tidak berkenaan Not applicable	353.0	233.3	119.6	212.3	138.2	74.0	140.7	95.1	45.6
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	6.7	8.2	4.2	4.7	5.9	2.9	13.7	15.7	9.5
PT3/PMR/SRP/LCE/SRA atau yang setaraf PT3/PMR/SRP/LCE/SRA or equivalent	8.7	10.6	5.6	7.3	8.9	4.7	13.9	16.2	9.2
SPM atau yang setaraf SPM or equivalent	44.6	46.0	42.1	45.0	47.2	41.5	43.1	42.4	44.8
STPM atau yang setaraf STPM or equivalent	3.5	2.7	4.7	3.7	2.9	4.8	2.7	2.0	4.2
Sijil Certificate	2.9	3.2	2.4	3.1	3.5	2.5	2.2	2.4	1.8
Diploma	11.3	9.3	14.7	12.8	10.8	16.0	5.9	4.4	8.9
Ijazah Degree	16.8	13.6	22.1	19.5	16.4	24.5	7.1	4.5	12.3
Tiada sijil No certificate	3.4	4.0	2.3	2.2	2.6	1.6	7.5	8.5	5.4
Tidak berkenaan Not applicable	2.2	2.3	2.0	1.7	1.8	1.5	3.9	3.9	3.9

Jadual A4.31: Penduduk bekerja mengikut sijil tertinggi diperoleh dan kumpulan etnik, Malaysia, 2024
Table A4.31: Employed persons by highest certificate obtained and ethnic group, Malaysia, 2024

Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Warganegara Malaysia <i>Malaysian citizens</i>						Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
	Jumlah <i>Total</i>	Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah ('000) <i>Total</i>	16,369.4	14,008.8	9,554.6	3,408.2	961.4	84.5	2,360.6
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	1,099.0	647.9	425.2	165.4	48.0	9.2	451.1
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	1,429.2	1,000.8	641.6	257.6	91.8	9.8	428.4
SPM atau yang setaraf <i>SPM or equivalent</i>	7,296.0	6,601.9	4,721.5	1,415.7	434.1	30.7	694.0
STPM atau yang setaraf <i>STPM or equivalent</i>	566.9	551.9	371.8	136.2	38.6	5.4	15.0
Sijil <i>Certificate</i>	477.7	476.3	327.4	117.3	23.1	8.6	1.4
Diploma	1,851.1	1,811.0	1,254.1	435.2	114.9	6.8	40.2
Ijazah <i>Degree</i>	2,744.0	2,617.0	1,577.5	842.9	188.3	8.3	127.0
Tiada sijil <i>No certificate</i>	552.5	190.9	142.5	28.1	16.4	3.8	361.6
Tidak berkenaan <i>Not applicable</i>	353.0	111.1	93.0	9.9	6.2	2.0	241.8
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>	6.7	4.6	4.5	4.9	5.0	10.9	19.1
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	8.7	7.1	6.7	7.6	9.5	11.6	18.1
SPM atau yang setaraf <i>SPM or equivalent</i>	44.6	47.1	49.4	41.5	45.2	36.3	29.4
STPM atau yang setaraf <i>STPM or equivalent</i>	3.5	3.9	3.9	4.0	4.0	6.4	0.6
Sijil <i>Certificate</i>	2.9	3.4	3.4	3.4	2.4	10.2	0.1
Diploma	11.3	12.9	13.1	12.8	12.0	8.0	1.7
Ijazah <i>Degree</i>	16.8	18.7	16.5	24.7	19.6	9.8	5.4
Tiada sijil <i>No certificate</i>	3.4	1.4	1.5	0.8	1.7	4.5	15.3
Tidak berkenaan <i>Not applicable</i>	2.2	0.8	1.0	0.3	0.6	2.4	10.2

Jadual A4.32: Penduduk bekerja mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2024
Table A4.32: Employed persons by highest certificate obtained, ethnic group and sex, Malaysia, 2024

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 ('000) Total	10,257.1	8,368.1	5,785.4	1,953.5	574.2	55.0	1,889.0
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	842.6	484.0	319.9	123.9	32.6	7.6	358.6
PT3/PMR/SRP/LCE/ SRA atau yang setaraf PT3/PMR/SRP/LCE/ SRA or equivalent	1,089.5	743.1	492.2	182.0	62.8	6.2	346.3
SPM atau yang setaraf SPM or equivalent	4,721.7	4,130.6	3,021.1	826.6	263.2	19.8	591.1
STPM atau yang setaraf STPM or equivalent	279.5	270.6	173.4	73.7	19.5	4.0	8.9
Sijil Certificate	332.1	330.7	242.6	66.3	16.5	5.4	1.3
Diploma	955.1	921.3	634.5	220.2	63.2	3.4	33.8
Ijazah Degree	1,391.3	1,285.3	742.5	435.6	102.1	5.0	106.0
Tiada sijil No certificate	412.0	134.6	101.1	20.5	10.7	2.3	277.4
Tidak berkenaan Not applicable	233.3	67.8	58.2	4.8	3.4	1.4	165.5
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	8.2	5.8	5.5	6.3	5.7	13.8	19.0
PT3/PMR/SRP/LCE/ SRA atau yang setaraf PT3/PMR/SRP/LCE/ SRA or equivalent	10.6	8.9	8.5	9.3	10.9	11.3	18.3
SPM atau yang setaraf SPM or equivalent	46.0	49.4	52.2	42.3	45.8	36.0	31.3
STPM atau yang setaraf STPM or equivalent	2.7	3.2	3.0	3.8	3.4	7.3	0.5
Sijil Certificate	3.2	4.0	4.2	3.4	2.9	9.8	0.1
Diploma	9.3	11.0	11.0	11.3	11.0	6.2	1.8
Ijazah Degree	13.6	15.4	12.8	22.3	17.8	9.1	5.6
Tiada sijil No certificate	4.0	1.6	1.7	1.0	1.9	4.2	14.7
Tidak berkenaan Not applicable	2.3	0.8	1.0	0.2	0.6	2.5	8.8

Jadual A4.32: Penduduk bekerja mengikut sijil tertinggi diperoleh, kumpulan etnik dan jantina, Malaysia, 2024 (samb.)
Table A4.32: Employed persons by highest certificate obtained, ethnic group and sex, Malaysia, 2024 (cont'd)

Perempuan/Female							
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 ('000) Total	6,112.3	5,640.7	3,769.3	1,454.6	387.3	29.5	471.6
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	256.4	163.9	105.3	41.6	15.4	1.6	92.5
PT3/PMR/SRP/LCE/ SRA atau yang setaraf PT3/PMR/SRP/LCE/ SRA or equivalent	339.8	257.6	149.4	75.6	29.0	3.6	82.1
SPM atau yang setaraf SPM or equivalent	2,574.3	2,471.3	1,700.5	589.1	170.8	10.9	103.0
STPM atau yang setaraf STPM or equivalent	287.5	281.4	198.4	62.5	19.1	1.4	6.1
Sijil Certificate	145.6	145.6	84.9	51.0	6.6	3.2	0.1
Diploma	896.0	889.7	619.6	215.0	51.7	3.4	6.3
Ijazah Degree	1,352.7	1,331.6	835.0	407.2	86.2	3.3	21.0
Tiada sijil No certificate	140.5	56.2	41.5	7.6	5.7	1.5	84.2
Tidak berkenaan Not applicable	119.6	43.3	34.8	5.1	2.8	0.6	76.3
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	4.2	2.9	2.8	2.9	4.0	5.4	19.6
PT3/PMR/SRP/LCE/ SRA atau yang setaraf PT3/PMR/SRP/LCE/ SRA or equivalent	5.6	4.6	4.0	5.2	7.5	12.2	17.4
SPM atau yang setaraf SPM or equivalent	42.1	43.8	45.1	40.5	44.1	36.9	21.8
STPM atau yang setaraf STPM or equivalent	4.7	5.0	5.3	4.3	4.9	4.7	1.3
Sijil Certificate	2.4	2.6	2.3	3.5	1.7	10.8	0.0
Diploma	14.7	15.8	16.4	14.8	13.3	11.5	1.3
Ijazah Degree	22.1	23.6	22.2	28.0	22.3	11.2	4.5
Tiada sijil No certificate	2.3	1.0	1.1	0.5	1.5	5.1	17.9
Tidak berkenaan Not applicable	2.0	0.8	0.9	0.4	0.7	2.0	16.2

Jadual A4.33: Penduduk bekerja mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2024
Table A4.33: Employed persons by highest certificate obtained, ethnic group and strata, Malaysia, 2024

Bandar/Urban							
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 ('000) Total	12,747.2	11,146.6	6,966.7	3,221.3	897.5	61.2	1,600.6
UPSR/UPSRA atau yang setaraf UPSR/UPSRA or equivalent	604.1	358.7	172.4	142.3	40.6	3.4	245.4
PT3/PMR/SRP/LCE/ SRA atau yang setaraf PT3/PMR/SRP/LCE/ SRA or equivalent	925.6	662.8	350.3	226.3	80.6	5.6	262.9
SPM atau yang setaraf SPM or equivalent	5,733.2	5,168.9	3,420.8	1,321.0	403.9	23.2	564.2
STPM atau yang setaraf STPM or equivalent	467.9	455.1	282.4	130.8	37.5	4.4	12.8
Sijil Certificate	397.1	396.2	253.8	112.4	22.0	8.0	0.9
Diploma	1,637.0	1,598.6	1,056.4	426.5	110.4	5.4	38.5
Ijazah Degree	2,488.5	2,367.1	1,345.6	831.0	182.7	7.9	121.4
Tiada sijil No certificate	281.3	91.5	51.2	22.7	14.9	2.6	189.8
Tidak berkenaan Not applicable	212.3	47.7	33.7	8.3	4.8	0.9	164.6
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	4.7	3.2	2.5	4.4	4.5	5.6	15.3
PT3/PMR/SRP/LCE/ SRA atau yang setaraf PT3/PMR/SRP/LCE/ SRA or equivalent	7.3	5.9	5.0	7.0	9.0	9.2	16.4
SPM atau yang setaraf SPM or equivalent	45.0	46.4	49.1	41.0	45.0	37.9	35.2
STPM atau yang setaraf STPM or equivalent	3.7	4.1	4.1	4.1	4.2	7.2	0.8
Sijil Certificate	3.1	3.6	3.6	3.5	2.5	13.1	0.1
Diploma	12.8	14.3	15.2	13.2	12.3	8.8	2.4
Ijazah Degree	19.5	21.2	19.3	25.8	20.4	12.9	7.6
Tiada sijil No certificate	2.2	0.8	0.7	0.7	1.7	4.2	11.9
Tidak berkenaan Not applicable	1.7	0.4	0.5	0.3	0.5	1.5	10.3

Jadual A4.33: Penduduk bekerja mengikut sijil tertinggi diperoleh, kumpulan etnik dan strata, Malaysia, 2024 (samb.)
Table A4.33: Employed persons by highest certificate obtained, ethnic group and strata, Malaysia, 2024 (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>	3,622.2	2,862.2	2,587.9	186.9	64.0	23.3	760.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	494.8	289.2	252.8	23.1	7.4	5.9	205.7
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	503.6	338.0	291.3	31.3	11.2	4.3	165.6
SPM atau yang setaraf <i>SPM or equivalent</i>	1,562.8	1,433.0	1,300.7	94.7	30.2	7.4	129.8
STPM atau yang setaraf <i>STPM or equivalent</i>	99.0	96.8	89.4	5.4	1.1	1.0	2.2
Sijil <i>Certificate</i>	80.5	80.1	73.6	4.9	1.0	0.6	0.5
Diploma	214.1	212.4	197.7	8.7	4.6	1.4	1.7
Ijazah <i>Degree</i>	255.4	249.9	231.9	11.9	5.7	0.5	5.6
Tiada sijil <i>No certificate</i>	271.2	99.4	91.3	5.4	1.5	1.2	171.8
Tidak berkenaan <i>Not applicable</i>	140.7	63.4	59.3	1.6	1.4	1.2	77.2
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>	13.7	10.1	9.8	12.4	11.6	25.3	27.1
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	13.9	11.8	11.3	16.7	17.5	18.5	21.8
SPM atau yang setaraf <i>SPM or equivalent</i>	43.1	50.1	50.3	50.7	47.2	31.8	17.1
STPM atau yang setaraf <i>STPM or equivalent</i>	2.7	3.4	3.5	2.9	1.7	4.3	0.3
Sijil <i>Certificate</i>	2.2	2.8	2.8	2.6	1.6	2.6	0.1
Diploma	5.9	7.4	7.6	4.7	7.2	6.0	0.2
Ijazah <i>Degree</i>	7.1	8.7	9.0	6.4	8.9	2.1	0.7
Tiada sijil <i>No certificate</i>	7.5	3.5	3.5	2.9	2.3	5.2	22.6
Tidak berkenaan <i>Not applicable</i>	3.9	2.2	2.3	0.9	2.2	5.2	10.2

Jadual A4.34: Min dan median jam bekerja mengikut kumpulan umur dan jantina, Malaysia, 2024
Table A4.34: Mean and median hours worked by age group and sex, Malaysia, 2024

Kumpulan Umur Age Group	Min Mean			Median Median		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah Total	44.8	45.2	44.0	48.0	48.0	45.0
15 - 19	44.0	44.4	43.1	48.0	48.0	48.0
20 - 24	45.3	45.4	45.3	48.0	48.0	48.0
25 - 29	45.6	46.0	44.9	48.0	48.0	48.0
30 - 34	45.1	45.7	44.1	48.0	48.0	45.0
35 - 39	44.9	45.5	44.0	48.0	48.0	45.0
40 - 44	44.8	45.4	43.9	48.0	48.0	45.0
45 - 49	44.5	45.2	43.3	48.0	48.0	45.0
50 - 54	43.9	44.6	42.7	45.0	48.0	44.0
55 - 59	43.3	43.9	42.0	45.0	45.0	40.0
60 - 64	42.3	42.5	41.8	42.0	45.0	40.0

Jadual A4.35: Min dan median jam bekerja mengikut pekerjaan dan jantina, Malaysia, 2024
Table A4.35: Mean and median hours worked by occupation and sex, Malaysia, 2024

Pekerjaan Occupation	Min Mean			Median Median		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total	44.8	45.2	44.0	48.0	48.0	45.0
Pengurus Managers	45.8	45.9	45.4	48.0	48.0	48.0
Profesional Professionals	43.3	43.9	42.7	45.0	45.0	42.0
Juruteknik dan profesional bersekutu Technicians and associate professionals	45.5	45.9	44.9	48.0	48.0	46.0
Pekerja sokongan perkeranian Clerical support workers	44.8	45.0	44.8	45.0	45.0	45.0
Pekerja perkhidmatan dan jualan Service and sales workers	44.9	46.1	43.7	48.0	48.0	45.0
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	38.4	38.9	35.5	40.0	40.0	36.0
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	44.2	45.1	40.1	48.0	48.0	40.0
Operator mesin dan loji, dan pemasang Plant and machine operators and assemblers	47.3	47.2	48.0	48.0	48.0	48.0
Pekerja asas Elementary occupations	45.3	45.2	45.4	48.0	48.0	48.0

Jadual A4.36: Min dan median jam bekerja mengikut industri dan jantina, Malaysia, 2024
Table A4.36: Mean and median hours worked by industry and sex, Malaysia, 2024

Industri Industry	Min Mean			Median Median		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ¹ Total	44.8	45.2	44.0	48.0	48.0	45.0
Pertanian Agriculture	42.1	42.4	41.2	45.0	45.0	42.0
Perlombongan dan pengkuarian Mining and quarrying	47.7	48.3	45.6	48.0	48.0	48.0
Pembuatan Manufacturing	46.2	46.8	45.3	48.0	48.0	48.0
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	45.4	45.5	45.1	48.0	48.0	48.0
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	44.5	44.5	44.3	45.0	48.0	45.0
Pembinaan Construction	45.8	45.9	45.1	48.0	48.0	45.0
Perdagangan borong dan runcit Wholesale and retail trade	45.5	46.0	44.8	48.0	48.0	48.0
Pengangkutan dan penyimpanan Transportation and storage	46.2	46.5	44.9	48.0	48.0	48.0
Makanan & minuman dan penginapan Food & beverages and accommodation	44.1	45.1	43.0	48.0	48.0	45.0
Maklumat dan komunikasi Information and communication	45.5	45.4	45.6	48.0	48.0	48.0
Kewangan dan insurans Finance and insurance	44.8	45.2	44.2	45.0	45.0	45.0
Hartanah Real estate	45.1	45.2	44.9	45.0	45.0	45.0
Profesional, saintifik dan teknikal Professional, scientific and technical	45.1	45.4	44.9	45.0	48.0	45.0
Pentadbiran dan khidmat sokongan Administrative and support service	46.9	47.6	45.5	48.0	48.0	48.0
Pentadbiran awam dan pertahanan Public administration and defence	42.5	42.8	41.8	40.0	40.0	40.0
Pendidikan Education	40.7	41.1	40.5	40.0	40.0	40.0
Kesihatan kemanusiaan dan kerja sosial Human health and social work	44.1	44.1	44.0	45.0	45.0	45.0
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	44.6	44.5	44.8	48.0	48.0	48.0
Perkhidmatan lain Other service	45.2	45.1	45.5	48.0	48.0	48.0
Aktiviti isi rumah sebagai majikan Activities of households as employers	50.5	41.8	56.3	48.0	40.0	54.0

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, 2024
Table A4.37: Mean and median hours worked by status in employment and sex, Malaysia, 2024

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	45.2	44.0	48.0	48.0	45.0
Majikan Employer	46.0	46.4	44.6	48.0	48.0	48.0
Pekerja Employee	45.7	46.2	44.9	48.0	48.0	48.0
Bekerja sendiri Own account worker	40.5	41.2	38.8	40.0	40.0	40.0
Pekerja keluarga tanpa gaji Unpaid family worker	39.8	39.8	39.7	40.0	40.0	40.0

Jadual A4.38: Penduduk bekerja kurang dari 30 jam dan sektor, Malaysia, 2024
Table A4.38: Employed persons working less than 30 hours and sector, Malaysia, 2024

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) <i>Total</i>	212.5	27.5	0.1	22.7	11.9	150.2
Kerja tidak mencukupi/ memang keadaan kerja begitu <i>Insufficient work/nature of the job</i>	150.8	19.0	-	14.8	7.0	110.0
Bersara/lanjut usia <i>Retired/old age</i>	2.3	1.2	-	0.3	0.1	0.6
Kerja rumah/ tanggungjawab keluarga <i>Housework/family responsibilities</i>	11.6	3.4	-	1.2	0.0	7.0
Cuti <i>Leave</i>	43.0	0.5	0.1	5.8	4.7	31.9
Sakit/cedera <i>Illness/injury</i>	1.2	0.2	-	0.6	-	0.4
Keadaan cuaca <i>Weather condition</i>	3.7	3.1	-	-	0.2	0.4
Jumlah (%) <i>Total</i>	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>	71.0	69.1	-	65.2	58.8	73.3
Bersara/lanjut usia <i>Retired/old age</i>	1.0	4.4	-	1.3	0.8	0.4
Kerja rumah/ tanggungjawab keluarga <i>Housework/family responsibilities</i>	5.5	12.4	-	5.3	-	4.7
Cuti <i>Leave</i>	20.2	1.8	100.0	25.6	39.5	21.2
Sakit/cedera <i>Illness/injury</i>	0.6	0.7	-	2.6	-	0.3
Keadaan cuaca <i>Weather condition</i>	1.7	11.3	-	0.0	1.7	0.3

Jadual A4.39: Penduduk bekerja mengikut sebab bekerja kurang dari 30 jam dan jantina, Malaysia, 2024
Table A4.39: Employed persons by reasons for working less than 30 hours and sex, Malaysia, 2024

Sebab bekerja kurang dari 30 jam Reason for working less than 30 hours		Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ('000) Total		212.5	90.0	122.4
Kerja tidak mencukupi/ memang keadaan kerja begitu Insufficient work/nature of the job		150.8	65.8	85.0
	Sanggup menerima tambahan kerja Willing to accept additional work	125.1	57.9	67.2
	Tidak sanggup menerima tambahan kerja Unwilling to accept additional work	25.7	7.9	17.8
Bersara/lanjut usia Retired/old age		2.2	0.9	1.3
Kerja rumah/ tanggungjawab keluarga Housework/family responsibilities		11.6	1.2	10.4
Cuti Leave		43.0	18.2	24.8
Sakit/cedera Illness/injury		1.2	1.2	0.0
Keadaan cuaca Weather condition		3.7	2.6	1.0
Jumlah (%) Total		100.0	100.0	100.0
Kerja tidak mencukupi/ memang keadaan kerja begitu Insufficient work/nature of the job		71.0	73.1	69.4
	Sanggup menerima tambahan kerja Willing to accept additional work	83.0	88.0	79.1
	Tidak sanggup menerima tambahan kerja Unwilling to accept additional work	17.0	12.0	20.9
Bersara/lanjut usia Retired/old age		1.0	1.0	1.1
Kerja rumah/ tanggungjawab keluarga Housework/family responsibilities		5.5	1.3	8.5
Cuti Leave		20.2	20.2	20.3
Sakit/cedera Illness/injury		0.6	1.3	0.0
Keadaan cuaca Weather condition		1.7	2.9	0.8

Jadual A5.1: Kadar pengangguran mengikut kumpulan umur, strata dan jantina, Malaysia, 2024
Table A5.1: Unemployment rate by age group, strata and sex, Malaysia, 2024

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	3.2	3.1	3.3	2.9	3.1	2.6	4.1	3.1	6.1
15 - 19	15.8	16.6	14.0	14.2	15.8	10.5	21.3	20.1	22.9
20 - 24	8.9	8.4	9.9	8.2	8.3	8.1	11.1	8.7	14.2
25 - 29	3.6	3.3	3.9	3.4	3.4	3.3	4.1	3.1	5.8
30 - 34	1.7	1.4	2.2	1.5	1.3	1.8	2.4	1.7	4.2
35 - 39	1.3	1.1	1.7	1.2	1.0	1.4	1.9	1.4	3.1
40 - 44	0.9	1.0	0.7	0.9	1.1	0.7	1.0	1.0	1.0
45 - 49	1.2	1.3	1.0	1.1	1.3	0.7	1.6	1.3	2.4
50 - 54	1.1	1.3	0.5	1.1	1.4	0.6	0.9	1.2	0.1
55 - 59	1.1	0.8	1.7	1.1	0.7	2.0	1.1	1.1	0.9
60 - 64	3.5	4.6	1.0	4.3	6.0	0.9	1.3	1.3	1.3

Jadual A5.2: Kadar pengangguran mengikut kumpulan umur dan kumpulan etnik, Malaysia, 2024
Table A5.2: Unemployment rate by age group and ethnic group, Malaysia, 2024

Kumpulan Umur <i>Age Group</i>	Warganegara Malaysia <i>Malaysian citizens</i>						Bukan warganegara Malaysia <i>Non- Malaysian citizens</i>
	Jumlah <i>Total</i>	Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah (%) <i>Total</i>	3.2	3.2	3.4	2.3	4.2	4.7	2.9
15 - 19	15.8	15.2	16.8	7.5	22.9	12.9	17.9
20 - 24	8.9	10.0	9.9	10.3	9.8	16.7	4.7
25 - 29	3.6	3.9	3.9	3.1	5.3	6.2	2.5
30 - 34	1.7	1.9	2.1	0.7	3.7	1.4	1.1
35 - 39	1.3	1.4	1.4	0.9	3.1	3.7	1.0
40 - 44	0.9	0.9	1.0	0.7	1.2	2.0	0.8
45 - 49	1.2	1.2	1.3	1.1	1.0	-	0.5
50 - 54	1.1	1.0	0.9	1.0	1.8	-	2.0
55 - 59	1.1	1.0	0.8	1.2	1.8	1.4	2.3
60 - 64	3.5	3.4	1.7	5.7	3.9	1.9	4.8

Jadual A5.3: Kadar pengangguran mengikut kumpulan etnik, strata dan jantina, Malaysia, 2024
Table A5.3: Unemployment rate by ethnic group, strata and sex, Malaysia, 2024

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	3.2	3.1	3.3	2.9	3.1	2.6	4.1	3.1	6.1
Warganegara Malaysia Malaysian citizens	3.2	3.2	3.1	2.8	3.1	2.4	4.8	3.8	6.4
Bumiputera	3.4	3.3	3.5	2.9	3.1	2.6	4.7	3.9	6.1
Cina Chinese	2.3	2.7	1.8	2.2	2.7	1.5	4.1	2.4	8.0
India Indians	4.2	4.0	4.5	4.1	3.9	4.3	6.3	5.2	8.7
Lain-lain Others	4.7	3.2	7.2	2.8	2.6	3.2	9.2	4.7	19.5
Bukan warganegara Malaysia Non-Malaysian citizens	2.9	2.4	4.8	3.6	3.1	5.1	1.5	0.8	4.2

Jadual A5.4: Kadar pengangguran mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2024
Table A5.4: Unemployment rate by educational attainment, strata and sex, Malaysia, 2024

Pencapaian pendidikan Educational attainment	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	3.2	3.1	3.3	2.9	3.1	2.6	4.1	3.1	6.1
Tiada pendidikan rasmi No formal education	6.9	7.1	6.5	7.9	8.7	6.3	5.5	4.8	6.9
Rendah Primary	3.5	2.9	5.4	4.6	4.2	5.9	2.4	1.6	4.8
Menengah Secondary	3.3	3.1	3.6	3.0	3.1	2.9	4.1	3.2	6.0
Tertiari Tertiary	2.6	2.7	2.5	2.2	2.6	1.8	5.6	4.2	7.0

Jadual A6.1: Penganggur mengikut kumpulan umur, strata dan jantina, Malaysia, 2024
Table A6.1: Unemployed persons by age group, strata and sex, Malaysia, 2024

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	534.1	327.1	207.0	379.2	249.1	130.1	154.9	77.9	77.0
15 - 19	84.4	59.9	24.5	59.1	46.0	13.2	25.3	14.0	11.4
20 - 24	200.2	116.0	84.2	136.4	87.8	48.6	63.9	28.2	35.6
25 - 29	93.1	52.3	40.9	66.2	39.5	26.7	26.9	12.7	14.2
30 - 34	44.6	23.0	21.6	31.4	16.2	15.1	13.3	6.8	6.5
35 - 39	32.1	16.8	15.3	22.9	11.9	11.0	9.3	4.9	4.3
40 - 44	20.6	14.2	6.4	16.2	11.1	5.2	4.4	3.2	1.2
45 - 49	19.1	13.3	5.8	13.6	10.3	3.3	5.5	2.9	2.5
50 - 54	13.5	11.1	2.4	11.1	8.8	2.3	2.4	2.3	0.1
55 - 59	9.5	5.1	4.4	7.2	3.5	3.7	2.3	1.6	0.6
60 - 64	16.9	15.4	1.5	15.1	14.1	1.0	1.7	1.3	0.5
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	15.8	18.3	11.8	15.6	18.5	10.1	16.3	17.9	14.7
20 - 24	37.5	35.5	40.7	36.0	35.2	37.3	41.2	36.2	46.3
25 - 29	17.4	16.0	19.7	17.5	15.9	20.5	17.4	16.3	18.4
30 - 34	8.4	7.0	10.4	8.3	6.5	11.6	8.6	8.7	8.4
35 - 39	6.0	5.1	7.4	6.0	4.8	8.4	6.0	6.3	5.6
40 - 44	3.9	4.3	3.1	4.3	4.4	4.0	2.8	4.1	1.6
45 - 49	3.6	4.1	2.8	3.6	4.1	2.5	3.5	3.8	3.3
50 - 54	2.5	3.4	1.2	2.9	3.5	1.8	1.5	3.0	0.1
55 - 59	1.8	1.6	2.1	1.9	1.4	2.9	1.5	2.1	0.8
60 - 64	3.2	4.7	0.7	4.0	5.7	0.8	1.1	1.6	0.6

Jadual A6.2: Penganggur mengikut kumpulan etnik, strata dan jantina, Malaysia, 2024
Table A6.2: Unemployed persons by ethnic group, strata and sex, Malaysia, 2024

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>	534.1	327.1	207.0	379.2	249.1	130.1	154.9	77.9	77.0
Warganegara Malaysia <i>Malaysian citizens</i>	463.9	280.6	183.3	320.3	207.9	112.4	143.7	72.7	70.9
Bumiputera	336.3	200.0	136.3	207.3	133.8	73.5	129.0	66.2	62.7
Cina <i>Chinese</i>	81.1	54.6	26.5	73.0	51.3	21.8	8.0	3.3	4.7
India <i>Indians</i>	42.4	24.2	18.3	38.1	21.8	16.3	4.3	2.4	1.9
Lain-lain <i>Others</i>	4.1	1.8	2.3	1.8	1.0	0.8	2.4	0.8	1.5
Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>	70.2	46.4	23.7	58.9	41.2	17.7	11.2	5.2	6.0
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>	86.9	85.8	88.5	84.5	83.5	86.4	92.7	93.3	92.2
Bumiputera	63.0	61.2	65.8	54.7	53.7	56.5	83.2	85.0	81.5
Cina <i>Chinese</i>	15.2	16.7	12.8	19.3	20.6	16.7	5.2	4.2	6.2
India <i>Indians</i>	7.9	7.4	8.8	10.1	8.8	12.5	2.8	3.1	2.5
Lain-lain <i>Others</i>	0.8	0.6	1.1	0.5	0.4	0.6	1.5	1.1	2.0
Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>	13.1	14.2	11.5	15.5	16.5	13.6	7.3	6.7	7.8

Jadual A6.3: **Penganggur mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2024**
Table A6.3: *Unemployed persons by educational attainment, strata and sex, Malaysia, 2024*

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>	534.1	327.1	207.0	379.2	249.1	130.1	154.9	77.9	77.0
Tiada pendidikan rasmi <i>No formal education</i>	26.5	18.1	8.5	18.3	13.2	5.1	8.2	4.8	3.4
Rendah <i>Primary</i>	49.3	30.1	19.2	32.7	21.5	11.2	16.6	8.6	8.0
Menengah <i>Secondary</i>	304.4	194.4	110.0	213.3	144.5	68.8	91.1	49.9	41.2
Tertiari <i>Tertiary</i>	153.9	84.5	69.4	114.9	69.9	45.0	38.9	14.6	24.3
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>	5.0	5.5	4.1	4.8	5.3	3.9	5.3	6.2	4.4
Rendah <i>Primary</i>	9.2	9.2	9.3	8.6	8.6	8.6	10.7	11.1	10.4
Menengah <i>Secondary</i>	57.0	59.4	53.1	56.3	58.0	52.9	58.8	64.0	53.6
Tertiari <i>Tertiary</i>	28.8	25.8	33.5	30.3	28.1	34.6	25.1	18.7	31.6

Jadual A6.4: Penganggur mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2024
Table A6.4: Unemployed persons by highest certificate obtained, strata and sex, Malaysia, 2024

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>	534.1	327.1	207.0	379.2	249.1	130.1	154.9	77.9	77.0
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	41.0	27.3	13.7	27.7	19.5	8.2	13.4	7.8	5.5
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	49.3	32.1	17.2	35.4	23.8	11.7	13.9	8.3	5.6
SPM atau yang setaraf <i>SPM or equivalent</i>	250.9	155.5	95.4	173.5	116.0	57.6	77.3	39.5	37.9
STPM atau yang setaraf <i>STPM or equivalent</i>	20.5	8.4	12.2	12.5	6.1	6.4	8.0	2.3	5.7
Sijil <i>Certificate</i>	10.7	9.1	1.6	7.1	6.5	0.6	3.6	2.6	1.0
Diploma	48.9	26.8	22.1	37.5	21.5	16.0	11.4	5.3	6.1
Ijazah <i>Degree</i>	60.3	34.9	25.4	48.9	31.0	17.9	11.3	3.9	7.5
Tiada sijil <i>No certificate</i>	26.1	15.2	10.9	18.3	11.6	6.7	7.8	3.6	4.2
Tidak berkenaan <i>Not applicable</i>	26.4	18.0	8.5	18.2	13.1	5.1	8.2	4.8	3.4
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>	7.7	8.3	6.6	7.3	7.8	6.3	8.6	10.0	7.2
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	9.2	9.8	8.3	9.3	9.5	9.0	9.0	10.7	7.2
SPM atau yang setaraf <i>SPM or equivalent</i>	47.0	47.5	46.1	45.8	46.6	44.3	49.9	50.6	49.2
STPM atau yang setaraf <i>STPM or equivalent</i>	3.8	2.6	5.9	3.3	2.4	4.9	5.2	2.9	7.5
Sijil <i>Certificate</i>	2.0	2.8	0.8	1.9	2.6	0.5	2.3	3.3	1.3
Diploma	9.2	8.2	10.7	9.9	8.6	12.3	7.4	6.8	8.0
Ijazah <i>Degree</i>	11.3	10.7	12.3	12.9	12.5	13.8	7.3	4.9	9.7
Tiada sijil <i>No certificate</i>	4.9	4.6	5.3	4.8	4.7	5.1	5.0	4.6	5.5
Tidak berkenaan <i>Not applicable</i>	4.9	5.5	4.1	4.8	5.3	3.9	5.3	6.2	4.4

Jadual A6.5: Penganggur mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2024
Table A6.5: Unemploye persons by highest certificate obtained, strata and sex, Malaysia, 2024

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>	534.1	327.1	207.0	379.2	249.1	130.1	154.9	77.9	77.0
Pernah bekerja <i>Worked before</i>	190.4	143.7	46.7	143.1	111.5	31.6	47.3	32.2	15.1
Tidak pernah bekerja <i>Never worked before</i>	343.7	183.4	160.3	236.1	137.6	98.5	107.6	45.8	61.8
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>	35.6	43.9	22.6	37.7	44.8	24.3	30.5	41.3	19.6
Tidak pernah bekerja <i>Never worked before</i>	64.4	56.1	77.4	62.3	55.2	75.7	69.5	58.8	80.3

Jadual A6.6: Penganggur mengikut pengalaman bekerja, kumpulan umur, strata dan jantina, Malaysia, 2024
Table A6.6: Unemployed persons by working experience, age group, strata and sex, Malaysia, 2024

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	534.1	327.1	207.0	379.2	249.1	130.1	154.9	77.9	77.0
15 - 19	84.4	59.9	24.5	59.1	46.0	13.2	25.3	14.0	11.3
20 - 24	200.2	116.0	84.2	136.4	87.8	48.6	63.9	28.2	35.6
25 - 29	93.1	52.3	40.9	66.2	39.5	26.7	26.9	12.7	14.2
30 - 34	44.6	23.0	21.6	31.4	16.2	15.1	13.3	6.8	6.5
35 - 39	32.1	16.8	15.3	22.9	11.9	11.0	9.3	4.9	4.3
40 - 54	53.2	38.6	14.6	40.9	30.1	10.8	12.2	8.4	3.8
55 - 64	26.4	20.5	5.9	22.4	17.6	4.8	4.0	2.9	1.1
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	15.8	18.3	11.8	15.6	18.5	10.1	16.3	18.0	14.7
20 - 24	37.5	35.5	40.7	36.0	35.2	37.4	41.3	36.2	46.2
25 - 29	17.4	16.0	19.8	17.5	15.9	20.5	17.4	16.3	18.4
30 - 34	8.4	7.0	10.4	8.3	6.5	11.6	8.6	8.7	8.4
35 - 39	6.0	5.1	7.4	6.0	4.8	8.5	6.0	6.3	5.6
40 - 54	10.0	11.8	7.1	10.8	12.1	8.3	7.9	10.8	4.9
55 - 64	4.9	6.3	2.9	5.9	7.1	3.7	2.6	3.7	1.4

Jadual A6.6: Penganggur mengikut pengalaman bekerja, kumpulan umur, strata dan jantina, Malaysia, 2024 (samb.)
Table A6.6: Unemployed persons by working experience, age group, strata and sex, Malaysia, 2024 (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	190.4	143.7	46.7	143.1	111.5	31.6	47.3	32.2	15.1
15 - 19	10.3	9.1	1.2	8.2	7.5	0.6	2.1	1.5	0.6
20 - 24	51.3	37.4	13.9	37.9	29.7	8.2	13.5	7.7	5.7
25 - 29	29.8	20.0	9.8	20.4	14.7	5.7	9.4	5.3	4.1
30 - 34	24.2	16.4	7.8	18.5	11.8	6.6	5.7	4.6	1.2
35 - 39	17.7	11.7	6.1	13.0	8.4	4.6	4.7	3.3	1.5
40 - 54	37.8	31.5	6.4	29.0	24.3	4.6	8.9	7.1	1.7
55 - 64	19.2	17.7	1.6	16.2	15.0	1.2	3.0	2.6	0.4
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	6.3	2.6	5.7	6.7	1.9	4.4	4.7	4.0
20 - 24	26.9	26.0	29.8	26.5	26.6	25.9	28.5	23.9	37.7
25 - 29	15.7	13.9	21.0	14.3	13.2	18.0	19.9	16.5	27.2
30 - 34	12.7	11.4	16.7	12.9	10.6	20.9	12.1	14.3	7.9
35 - 39	9.3	8.1	13.1	9.1	7.5	14.6	9.9	10.2	9.9
40 - 54	19.9	21.9	13.7	20.3	21.8	14.6	18.8	22.0	11.3
55 - 64	10.1	12.3	3.4	11.3	13.5	3.8	6.3	8.1	2.6

Jadual A6.6: Penganggur mengikut pengalaman bekerja, kumpulan umur, strata dan jantina, Malaysia, 2024 (samb.)
Table A6.6: Unemployed persons by working experience, age group, strata and sex, Malaysia, 2024 (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	343.7	183.4	160.3	236.1	137.6	98.5	107.6	45.8	61.8
15 - 19	74.2	50.9	23.3	51.0	38.4	12.5	23.2	12.4	10.8
20 - 24	148.9	78.6	70.3	98.5	58.1	40.4	50.4	20.5	29.9
25 - 29	63.4	32.3	31.1	45.9	24.9	21.0	17.5	7.4	10.1
30 - 34	20.4	6.6	13.8	12.9	4.4	8.5	7.5	2.2	5.3
35 - 39	14.4	5.1	9.3	9.9	3.5	6.4	4.5	1.7	2.9
40 - 54	15.3	7.1	8.3	12.0	5.8	6.1	3.4	1.3	2.1
55 - 64	7.1	2.8	4.3	6.1	2.5	3.6	1.0	0.3	0.7
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	21.6	27.8	14.5	21.6	27.9	12.7	21.6	27.1	17.5
20 - 24	43.3	42.9	43.9	41.7	42.2	41.0	46.8	44.8	48.4
25 - 29	18.4	17.6	19.4	19.4	18.1	21.3	16.3	16.2	16.3
30 - 34	5.9	3.6	8.6	5.5	3.2	8.6	7.0	4.8	8.6
35 - 39	4.2	2.8	5.8	4.2	2.5	6.5	4.2	3.7	4.7
40 - 54	4.5	3.9	5.2	5.1	4.2	6.2	3.2	2.8	3.4
55 - 64	2.1	1.5	2.7	2.6	1.8	3.7	0.9	0.7	1.1

Jadual A6.7: **Penganggur aktif mengikut tempoh menganggur, strata dan jantina, Malaysia, 2024**
Table A6.7: *Active unemployed persons by duration of unemployment, strata and sex, Malaysia, 2024*

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>	408.8	242.3	166.5	289.3	185.8	103.5	119.5	56.5	63.0
Kurang dari 3 bulan <i>Less than 3 month</i>	256.6	151.5	105.1	191.6	123.3	68.3	65.1	28.2	36.8
3 bulan-kurang dari 6 bulan <i>3 month-less than 6 month</i>	84.3	48.9	35.3	56.0	34.9	21.0	28.3	14.0	14.3
6 bulan-kurang dari 1 tahun <i>6 month- less than 1 year</i>	42.3	26.7	15.6	26.4	17.8	8.6	15.9	8.8	7.1
1-3 tahun <i>1-3 years</i>	20.4	12.3	8.1	12.2	7.8	4.4	8.2	4.5	3.7
Lebih daripada 3 tahun <i>More than 3 years</i>	5.2	2.9	2.2	3.1	1.9	1.1	2.1	1.0	1.1
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>	62.8	62.5	63.1	66.2	66.4	66.0	54.5	49.9	58.4
3 bulan-kurang dari 6 bulan <i>3 month-less than 6 month</i>	20.6	20.2	21.2	19.4	18.8	20.3	23.7	24.8	22.7
6 bulan-kurang dari 1 tahun <i>6 month- less than 1 year</i>	10.3	11.0	9.4	9.1	9.6	8.3	13.3	15.6	11.3
1-3 tahun <i>1-3 years</i>	5.0	5.1	4.9	4.2	4.2	4.3	6.9	8.0	5.9
Lebih daripada 3 tahun <i>More than 3 years</i>	1.3	1.2	1.3	1.1	1.0	1.1	1.8	1.8	1.7

Jadual A6.8: Langkah-langkah yang telah diambil untuk mendapatkan kerja oleh penganggur mengikut jantina, Malaysia, 2024
Table A6.8: Steps taken to obtain jobs by unemployed persons by sex, Malaysia, 2024

Langkah-langkah yang telah diambil untuk mendapatkan kerja Steps taken to obtain jobs	Jumlah Total	Lelaki Male	Perempuan Female
Jumlah ¹ ('000) Total	1,500.8	859.4	641.4
Jabatan Tenaga Kerja/Agensi Pekerjaan Labour Department/Employment Agency	327.4	185.4	142.0
Menjawab iklan/mengiklan Answer advertisement/advertise	344.4	199.3	145.1
Menghantar surat permohonan Send applications	349.8	201.0	148.8
Beritahu sahabat/saudara mara Inform friends/relatives	197.1	116.5	80.6
Lain-lain Others	282.1	157.2	124.9

¹ Penganggur boleh mengambil lebih daripada satu langkah untuk mendapatkan pekerjaan
The unemployed persons can take more than one step to obtain a job

Jadual A7.1
Table A7.1

Penduduk luar tenaga buruh mengikut kumpulan umur, strata dan jantina, Malaysia, 2024
Population outside labour force by age group, strata and sex, Malaysia, 2024

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	7,022.4	2,164.7	4,857.7	5,091.1	1,552.2	3,538.8	1,931.3	612.4	1,318.8
15 - 19	2,193.6	1,069.8	1,123.7	1,603.3	772.5	830.8	590.2	297.3	292.9
20 - 24	924.9	346.7	578.2	695.6	222.5	473.0	229.3	124.1	105.2
25 - 29	419.6	138.9	280.7	294.3	101.4	192.9	125.3	37.5	87.8
30 - 34	378.6	29.0	349.6	245.7	18.2	227.6	132.9	10.8	122.0
35 - 39	437.6	17.4	420.3	299.3	11.1	288.1	138.4	6.3	132.1
40 - 44	356.4	26.1	330.3	223.7	17.4	206.3	132.7	8.7	124.0
45 - 49	408.3	27.2	381.1	298.2	19.7	278.5	110.1	7.5	102.6
50 - 54	444.3	48.9	395.4	322.0	36.2	285.9	122.2	12.7	109.5
55 - 59	601.2	123.0	478.2	447.0	81.7	365.3	154.2	41.4	112.9
60 - 64	857.8	337.6	520.2	661.9	271.5	390.5	195.9	66.1	129.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 - 19	31.2	49.4	23.1	31.5	49.8	23.5	30.6	48.5	22.2
20 - 24	13.2	16.0	11.9	13.7	14.3	13.4	11.9	20.3	8.0
25 - 29	6.0	6.4	5.8	5.8	6.5	5.5	6.5	6.1	6.7
30 - 34	5.4	1.3	7.2	4.8	1.2	6.4	6.9	1.8	9.3
35 - 39	6.2	0.8	8.7	5.9	0.7	8.1	7.2	1.0	10.0
40 - 44	5.1	1.2	6.8	4.4	1.1	5.8	6.9	1.4	9.4
45 - 49	5.8	1.3	7.8	5.9	1.3	7.9	5.7	1.2	7.8
50 - 54	6.3	2.3	8.1	6.3	2.3	8.1	6.3	2.1	8.3
55 - 59	8.6	5.7	9.8	8.8	5.3	10.3	8.0	6.8	8.6
60 - 64	12.2	15.6	10.7	13.0	17.5	11.0	10.1	10.8	9.8

Jadual A7.2: Penduduk luar tenaga buruh mengikut kumpulan etnik, strata dan jantina, Malaysia, 2024
Table A7.2: Population outside labour force by ethnic group, strata and sex, Malaysia, 2024

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	7,022.4	2,164.7	4,857.7	5,091.1	1,552.2	3,538.8	1,931.3	612.4	1,318.8
Warganegara Malaysia Malaysian citizens	6,720.3	2,085.5	4,634.8	4,867.9	1,482.0	3,385.9	1,852.4	603.5	1,248.9
Bumiputera	4,775.6	1,422.7	3,352.8	3,096.9	869.1	2,227.8	1,678.7	553.7	1,125.0
Cina Chinese	1,447.4	511.9	935.5	1,325.3	476.3	848.9	122.1	35.6	86.6
India Indians	448.4	134.3	314.1	408.4	123.9	284.5	40.0	10.4	29.6
Lain-lain Others	49.0	16.6	32.4	37.3	12.7	24.6	11.7	3.9	7.8
Bukan warganegara Malaysia Non-Malaysian citizens	302.1	79.1	222.9	223.2	70.2	153.0	78.8	8.9	69.9
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	96.3	95.4	95.6	95.5	95.7	95.9	98.5	94.7
Bumiputera	68.0	65.7	69.0	60.8	56.0	63.0	86.9	90.4	85.3
Cina Chinese	20.6	23.6	19.3	26.0	30.7	24.0	6.3	5.8	6.6
India Indians	6.4	6.2	6.5	8.0	8.0	8.0	2.1	1.7	2.2
Lain-lain Others	0.7	0.8	0.7	0.7	0.8	0.7	0.6	0.6	0.6
Bukan warganegara Malaysia Non-Malaysian citizens	4.3	3.7	4.6	4.4	4.5	4.3	4.1	1.5	5.3

Jadual A7.3: Penduduk luar tenaga buruh mengikut pencapaian pendidikan, strata dan jantina, Malaysia, 2024
Table A7.3: Population outside labour force by educational attainment, strata and sex, Malaysia, 2024

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>	7,022.4	2,164.7	4,857.7	5,091.1	1,552.2	3,538.8	1,931.3	612.4	1,318.8
Tiada pendidikan rasmi <i>No formal education</i>	255.1	86.4	168.7	149.6	50.4	99.2	105.5	35.9	69.5
Rendah <i>Primary</i>	650.5	119.8	530.7	410.9	80.5	330.4	239.6	39.3	200.3
Menengah <i>Secondary</i>	4,367.1	1,356.8	3,010.2	3,159.7	991.4	2,168.3	1,207.4	365.4	842.0
Tertiari <i>Tertiary</i>	1,749.7	601.7	1,148.0	1,370.9	429.9	941.0	378.8	171.8	207.0
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>	3.6	4.0	3.5	2.9	3.2	2.8	5.5	5.9	5.3
Rendah <i>Primary</i>	9.3	5.5	10.9	8.1	5.2	9.3	12.4	6.4	15.2
Menengah <i>Secondary</i>	62.2	62.7	62.0	62.1	63.9	61.3	62.5	59.7	63.8
Tertiari <i>Tertiary</i>	24.9	27.8	23.6	26.9	27.7	26.6	19.6	28.1	15.7

Jadual A7.4: Penduduk luar tenaga buruh mengikut sijil tertinggi diperoleh, strata dan jantina, Malaysia, 2024
Table A7.4: Population outside labour force by highest certificate obtained, strata and sex, Malaysia, 2024

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>	7,022.4	2,164.7	4,857.7	5,091.1	1,552.2	3,538.8	1,931.3	612.4	1,318.8
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	962.2	331.5	630.7	671.5	239.1	432.5	290.7	92.4	198.3
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	1,778.7	710.9	1,067.8	1,280.2	519.2	761.0	498.5	191.7	306.8
SPM atau yang setaraf <i>SPM or equivalent</i>	2,661.8	620.1	2,041.7	1,940.7	426.8	1,513.9	721.1	193.3	527.7
STPM atau yang setaraf <i>STPM or equivalent</i>	321.9	87.8	234.0	240.3	58.4	181.8	81.6	29.4	52.2
Sijil <i>Certificate</i>	55.5	24.7	30.7	37.9	16.0	21.9	17.6	8.8	8.8
Diploma	391.1	132.3	258.7	322.9	104.3	218.6	68.2	28.0	40.2
Ijazah <i>Degree</i>	302.8	96.3	206.5	259.4	83.2	176.2	43.4	13.1	30.3
Tiada sijil <i>No certificate</i>	294.4	75.3	219.1	188.9	55.1	133.8	105.5	20.2	85.3
Tidak berkenaan <i>Not applicable</i>	254.0	85.7	168.3	149.4	50.2	99.2	104.6	35.5	69.1
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>	13.7	15.3	13.0	13.2	15.4	12.2	15.1	15.1	15.0
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	25.3	32.8	22.0	25.1	33.4	21.5	25.8	31.3	23.3
SPM atau yang setaraf <i>SPM or equivalent</i>	37.9	28.6	42.0	38.1	27.5	42.8	37.3	31.6	40.0
STPM atau yang setaraf <i>STPM or equivalent</i>	4.6	4.1	4.8	4.7	3.8	5.1	4.2	4.8	4.0
Sijil <i>Certificate</i>	0.8	1.1	0.6	0.7	1.0	0.6	0.9	1.4	0.7
Diploma	5.6	6.1	5.3	6.3	6.7	6.2	3.5	4.6	3.0
Ijazah <i>Degree</i>	4.3	4.4	4.3	5.1	5.4	5.0	2.2	2.1	2.3
Tiada sijil <i>No certificate</i>	4.2	3.5	4.5	3.7	3.5	3.8	5.5	3.3	6.5
Tidak berkenaan <i>Not applicable</i>	3.6	4.0	3.5	2.9	3.2	2.8	5.4	5.8	5.2

Jadual A7.5: Penduduk luar tenaga buruh mengikut sebab tidak mencari kerja, strata dan jantina, Malaysia, 2024
Table A7.5: Population outside labour force by reasons for not seeking work, strata and sex, Malaysia, 2024

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>	7,022.4	2,164.7	4,857.7	5,091.1	1,552.2	3,538.8	1,931.3	612.4	1,318.8
Masih belajar <i>Schooling</i>	2,903.5	1,364.5	1,539.0	2,183.6	982.3	1,201.3	719.9	382.3	337.6
Kerja rumah/ tanggungjawab keluarga <i>Housework/family responsibilities</i>	3,028.4	72.1	2,956.2	2,106.6	46.0	2,060.5	921.8	26.1	895.7
Akan melanjutkan pelajaran <i>Going for further studies</i>	96.7	35.6	61.1	66.7	21.1	45.6	30.0	14.5	15.5
Hilang upaya <i>Disabled</i>	256.3	179.0	77.3	162.2	110.0	52.1	94.1	68.9	25.2
Tidak berminat <i>Not interested</i>	50.8	34.0	16.8	30.6	19.6	11.0	20.2	14.3	5.8
Sudah bersara <i>Retired</i>	686.6	479.5	207.1	541.4	373.2	168.2	145.2	106.2	38.9
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>	41.3	63.0	31.7	42.9	63.3	33.9	37.3	62.4	25.6
Kerja rumah/ tanggungjawab keluarga <i>Housework/family responsibilities</i>	43.1	3.3	60.9	41.4	3.0	58.2	47.7	4.3	67.9
Akan melanjutkan pelajaran <i>Going for further studies</i>	1.4	1.6	1.3	1.3	1.4	1.3	1.6	2.4	1.2
Hilang upaya <i>Disabled</i>	3.6	8.3	1.6	3.2	7.1	1.5	4.9	11.3	1.9
Tidak berminat <i>Not interested</i>	0.7	1.6	0.3	0.6	1.3	0.3	1.0	2.3	0.4
Sudah bersara <i>Retired</i>	9.8	22.1	4.3	10.6	24.1	4.8	7.5	17.3	3.0

Jadual A7.6: Penduduk luar tenaga buruh mengikut sebab tidak mencari kerja dan sijil tertinggi diperoleh, Malaysia, 2024
Table A7.6: Population outside labour force by reasons for not seeking work and highest certificate obtained, Malaysia, 2024

Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Sebab tidak mencari kerja <i>Reasons for not seeking work</i>						
	Jumlah <i>Total</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>	7,022.4	2,903.5	3,028.4	96.7	256.3	50.8	686.6
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	962.2	449.1	402.4	0.5	27.5	4.4	78.4
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	1,778.7	1,155.5	483.9	8.0	32.6	5.6	93.1
SPM atau yang setaraf <i>SPM or equivalent</i>	2,661.8	782.6	1,459.9	53.0	57.8	23.7	284.9
STPM atau yang setaraf <i>STPM or equivalent</i>	321.9	195.6	89.8	9.4	4.5	0.8	21.9
Sijil <i>Certificate</i>	55.5	14.4	21.8	2.1	5.6	1.1	10.4
Diploma	391.1	190.4	126.0	10.2	4.8	2.0	57.8
Ijazah <i>Degree</i>	302.8	62.0	128.3	13.1	5.9	5.4	88.2
Tiada sijil <i>No certificate</i>	294.4	49.4	182.4	0.0	22.5	4.3	35.8
Tidak berkenaan <i>Not applicable</i>	254.0	4.6	134.0	0.4	95.2	3.6	16.2
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>	13.7	15.5	13.3	0.5	10.7	8.6	11.4
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	25.3	39.8	16.0	8.3	12.7	11.0	13.6
SPM atau yang setaraf <i>SPM or equivalent</i>	37.9	27.0	48.2	54.8	22.5	46.6	41.5
STPM atau yang setaraf <i>STPM or equivalent</i>	4.6	6.7	3.0	9.7	1.8	1.6	3.2
Sijil <i>Certificate</i>	0.8	0.5	0.7	2.2	2.2	2.1	1.5
Diploma	5.6	6.6	4.2	10.6	1.9	3.9	8.4
Ijazah <i>Degree</i>	4.3	2.1	4.2	13.5	2.3	10.6	12.8
Tiada sijil <i>No certificate</i>	4.2	1.7	6.0	0.0	8.8	8.5	5.2
Tidak berkenaan <i>Not applicable</i>	3.6	0.2	4.4	0.4	37.2	7.2	2.4

Jadual A7.7: Penduduk luar tenaga buruh mengikut sebab tidak mencari kerja, sijil tertinggi diperoleh dan jantina, Malaysia, 2024
Table A7.7: Population outside labour force by reasons for not seeking work, highest certificate obtained and sex, Malaysia, 2024

Lelaki/Male							
Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Sebab tidak mencari kerja <i>Reasons for not seeking work</i>						
	Jumlah <i>Total</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>	2,164.7	1,364.5	72.1	35.6	179.0	34.0	479.5
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	331.5	236.2	11.3	0.5	20.3	3.3	59.9
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	710.9	594.8	8.5	3.7	24.0	4.6	75.3
SPM atau yang setaraf <i>SPM or equivalent</i>	620.1	304.9	27.4	21.0	40.0	16.3	210.4
STPM atau yang setaraf <i>STPM or equivalent</i>	87.8	67.1	0.7	2.7	3.2	0.2	14.0
Sijil <i>Certificate</i>	24.7	9.3	0.8	1.7	4.8	1.1	7.1
Diploma	132.3	89.9	4.5	1.9	3.2	1.2	31.7
Ijazah <i>Degree</i>	96.3	33.1	4.7	4.1	5.1	3.2	46.0
Tiada sijil <i>No certificate</i>	75.3	26.8	6.0	0.0	14.9	1.8	25.8
Tidak berkenaan <i>Not applicable</i>	85.7	2.4	8.1	0.0	63.7	2.2	9.3
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>	15.3	17.3	15.7	1.5	11.3	9.7	12.5
PT3/PMR/SRP/LCE/ SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/ SRA or equivalent</i>	32.8	43.6	11.8	10.4	13.4	13.4	15.7
SPM atau yang setaraf <i>SPM or equivalent</i>	28.6	22.3	38.0	59.1	22.3	48.1	43.9
STPM atau yang setaraf <i>STPM or equivalent</i>	4.1	4.9	1.0	7.5	1.8	0.5	2.9
Sijil <i>Certificate</i>	1.1	0.7	1.1	4.7	2.7	3.2	1.5
Diploma	6.1	6.6	6.2	5.2	1.8	3.6	6.6
Ijazah <i>Degree</i>	4.4	2.4	6.6	11.6	2.8	9.5	9.6
Tiada sijil <i>No certificate</i>	3.5	2.0	8.3	0.0	8.3	5.4	5.4
Tidak berkenaan <i>Not applicable</i>	4.0	0.2	11.3	0.0	35.6	6.5	1.9

Jadual A7.7: Penduduk luar tenaga buruh mengikut sebab tidak mencari kerja, sijil tertinggi diperoleh dan jantina, Malaysia, 2024 (samb.)

Table A7.7: Population outside labour force by reasons for not seeking work and highest certificate obtained, sex, Malaysia, 2024 (cont'd)

Perempuan/Female							
Sijil tertinggi diperoleh <i>Highest certificate obtained</i>	Sebab tidak mencari kerja <i>Reasons for not seeking work</i>						
	Jumlah <i>Total</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>	4,857.7	1,539.0	2,956.2	61.1	77.3	16.8	207.1
UPSR/UPSRA atau yang setaraf <i>UPSR/UPSRA or equivalent</i>	630.7	212.9	391.1	0.0	7.2	1.1	18.5
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	1,067.8	560.6	475.4	4.3	8.6	1.0	17.8
SPM atau yang setaraf <i>SPM or equivalent</i>	2,041.7	477.7	1,432.4	32.0	17.8	7.3	74.4
STPM atau yang setaraf <i>STPM or equivalent</i>	234.0	128.4	89.0	6.7	1.3	0.6	7.9
Sijil <i>Certificate</i>	30.7	5.0	21.0	0.5	0.8	0.0	3.4
Diploma	258.7	100.5	121.5	8.4	1.6	0.8	26.0
Ijazah <i>Degree</i>	206.5	28.9	123.5	8.9	0.8	2.2	42.2
Tiada sijil <i>No certificate</i>	219.1	22.7	176.3	0.0	7.6	2.5	10.0
Tidak berkenaan <i>Not applicable</i>	168.3	2.1	125.9	0.4	31.6	1.4	6.9
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>	13.0	13.8	13.2	0.0	9.3	6.3	8.9
PT3/PMR/SRP/LCE/SRA atau yang setaraf <i>PT3/PMR/SRP/LCE/SRA or equivalent</i>	22.0	36.4	16.1	7.1	11.1	6.0	8.6
SPM atau yang setaraf <i>SPM or equivalent</i>	42.0	31.0	48.5	52.3	23.0	43.5	35.9
STPM atau yang setaraf <i>STPM or equivalent</i>	4.8	8.3	3.0	11.0	1.7	3.7	3.8
Sijil <i>Certificate</i>	0.6	0.3	0.7	0.7	1.1	0.0	1.6
Diploma	5.3	6.5	4.1	13.7	2.1	4.6	12.6
Ijazah <i>Degree</i>	4.3	1.9	4.2	14.6	1.0	12.8	20.4
Tiada sijil <i>No certificate</i>	4.5	1.5	6.0	0.0	9.9	14.7	4.8
Tidak berkenaan <i>Not applicable</i>	3.5	0.1	4.3	0.7	40.8	8.4	3.3

Jadual A7.8: Penduduk luar tenaga buruh mengikut pengalaman bekerja, strata dan jantina, Malaysia, 2024
Table A7.8: Population outside labour force by working experience, strata and sex, Malaysia, 2024

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>	7,022.4	2,164.7	4,857.7	5,091.1	1,552.2	3,538.8	1,931.3	612.4	1,318.8
Pernah bekerja <i>Worked before</i>	1,646.2	556.3	1,089.9	1,224.2	418.2	805.9	422.0	138.0	284.0
Tidak pernah bekerja <i>Never worked before</i>	5,376.2	1,608.4	3,767.8	3,866.9	1,134.0	2,732.9	1,509.3	474.4	1,034.9
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>	23.4	25.7	22.4	24.0	26.9	22.8	21.9	22.5	21.5
Tidak pernah bekerja <i>Never worked before</i>	76.6	74.3	77.6	76.0	73.1	77.2	78.1	77.5	78.5



JADUAL STATISTIK: NEGERI

***STATISTICAL TABLES :
STATES***

Jadual B1.1: Kadar penyertaan tenaga buruh mengikut negeri, strata dan jantina, Malaysia, 2024
Table B1.1: Labour force participation rate by state, strata and sex, Malaysia, 2024

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	70.6	83.0	56.5	72.1	83.9	58.9	66.2	80.5	48.8
Johor	71.6	88.4	51.0	71.9	88.5	52.5	70.3	88.1	44.9
Kedah	66.0	81.0	50.0	67.7	83.4	51.8	62.2	76.1	45.8
Kelantan	57.7	71.8	43.6	61.2	79.8	43.3	54.9	65.5	43.7
Melaka	70.6	81.1	58.4	70.9	81.0	59.2	67.6	81.7	49.5
Negeri Sembilan	66.7	80.5	51.4	67.7	81.1	53.6	64.3	79.1	45.3
Pahang	65.4	80.2	47.5	65.9	83.0	47.8	64.8	77.7	47.2
Pulau Pinang	72.0	85.6	57.6	72.9	86.9	58.3	60.1	70.0	49.0
Perak	66.5	80.4	50.7	66.8	79.9	53.0	65.9	81.6	43.9
Perlis	62.0	76.8	47.4	63.9	81.1	47.6	59.7	71.6	47.2
Selangor	77.9	84.3	70.3	78.1	84.3	70.7	73.3	82.5	63.0
Terengganu	60.7	77.5	42.4	62.0	79.8	43.6	58.4	73.6	40.1
Sabah	70.9	84.3	56.0	69.2	82.1	55.4	73.2	87.2	56.8
Sarawak	69.7	85.4	52.7	70.1	85.6	54.0	69.0	85.0	50.7
W.P. Kuala Lumpur	75.4	82.6	66.6	75.4	82.6	66.6	n.a	n.a	n.a
W.P. Labuan	68.1	85.7	50.1	68.7	86.4	51.1	63.4	81.3	41.7
W.P. Putrajaya	78.7	78.0	79.4	78.7	78.0	79.4	n.a	n.a	n.a

Jadual B1.2: Kadar penyertaan tenaga buruh mengikut negeri dan kumpulan umur, Malaysia, 2024
Table B1.2: Labour force participation rate by state and age group, Malaysia, 2024

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	70.6	19.6	70.8	86.2	87.2	84.7	86.4	79.8	74.3	59.1	36.0
Johor	71.6	20.1	75.6	86.1	92.2	89.0	85.3	81.6	69.4	58.7	32.7
Kedah	66.0	14.0	78.6	83.3	84.8	79.0	75.6	75.8	65.4	48.7	31.7
Kelantan	57.7	6.4	60.3	83.6	80.6	77.3	74.5	74.5	67.8	30.3	25.9
Melaka	70.6	10.8	65.4	94.9	92.4	83.7	89.5	77.3	69.5	44.1	19.1
Negeri Sembilan	66.7	11.9	64.5	87.6	85.6	84.7	83.1	76.8	70.8	51.9	26.4
Pahang	65.4	10.2	69.5	95.4	81.9	78.4	76.8	74.3	67.8	51.8	39.4
Pulau Pinang	72.0	14.7	69.9	88.4	91.0	91.0	84.2	85.8	77.3	55.5	25.0
Perak	66.5	16.3	62.3	79.7	89.8	83.4	85.9	81.4	68.8	57.3	30.1
Perlis	62.0	13.8	53.4	75.3	76.7	78.1	84.1	65.8	75.4	62.9	40.0
Selangor	77.9	28.6	73.5	88.9	88.5	84.7	96.9	85.7	84.3	73.3	47.9
Terengganu	60.7	9.2	66.4	75.6	87.9	73.0	75.3	73.7	66.4	43.3	22.1
Sabah	70.9	33.3	81.6	90.8	79.9	81.1	78.0	64.0	60.9	69.7	42.8
Sarawak	69.7	17.5	67.9	80.6	84.7	84.4	80.5	80.6	76.6	66.5	53.8
W.P. Kuala Lumpur	75.4	15.2	57.0	80.6	92.4	96.0	93.7	85.4	88.8	47.1	22.9
W.P. Labuan	68.1	22.0	72.2	80.4	82.7	78.7	77.7	76.0	71.3	60.6	34.0
W.P. Putrajaya	78.7	3.5	51.5	96.3	83.5	96.9	100.0	100.0	99.3	88.5	8.7

Jadual B1.3: Kadar penyertaan tenaga buruh mengikut negeri, kumpulan umur dan jantina, Malaysia, 2024
Table B1.3: Labour force participation rate by state, age group and sex, Malaysia, 2024

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	83.0	25.2	80.0	91.9	98.2	98.9	98.1	97.4	94.4	83.3	49.8
Johor	88.4	31.9	96.1	99.5	99.8	99.5	99.9	98.8	97.9	91.5	51.3
Kedah	81.0	19.4	93.0	83.2	99.6	98.2	97.5	96.0	90.6	76.4	53.0
Kelantan	71.8	8.3	69.9	96.9	96.3	97.3	94.3	94.3	89.5	45.5	44.6
Melaka	81.1	16.2	74.6	95.2	99.2	97.3	97.3	96.1	88.6	60.6	30.4
Negeri Sembilan	80.5	15.2	77.1	95.3	97.9	99.1	99.3	96.3	93.1	74.9	40.5
Pahang	80.2	14.1	66.1	96.5	98.9	98.9	98.1	98.7	96.8	82.5	64.7
Pulau Pinang	85.6	19.7	93.1	94.1	96.5	99.7	99.5	97.9	96.5	90.8	41.5
Perak	80.4	25.0	71.1	83.4	98.8	99.0	98.6	95.9	94.0	87.6	53.2
Perlis	76.8	19.2	62.6	93.7	90.1	92.3	97.9	83.5	94.1	95.3	66.1
Selangor	84.3	30.1	71.3	85.3	98.6	99.4	99.1	98.4	92.5	94.6	50.5
Terengganu	77.5	12.1	84.9	96.6	91.3	97.0	95.7	97.1	91.8	63.2	37.0
Sabah	84.3	40.0	82.3	95.0	98.5	98.4	97.7	97.2	96.8	86.2	56.7
Sarawak	85.4	24.2	89.4	97.5	98.8	98.5	97.3	96.6	95.6	88.3	64.1
W.P. Kuala Lumpur	82.6	21.8	69.1	88.9	97.4	99.4	95.7	98.6	97.5	50.9	26.1
W.P. Labuan	85.7	31.8	89.1	97.2	99.2	99.0	96.7	98.8	96.0	80.7	52.2
W.P. Putrajaya	78.0	4.1	62.5	100.0	79.4	95.5	100.0	100.0	98.6	77.2	16.8

Jadual B1.3: Kadar penyertaan tenaga buruh mengikut negeri, kumpulan umur dan jantina, Malaysia, 2024 (samb.)
Table B1.3: Labour force participation rate by state, age group and sex, Malaysia, 2024 (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	56.5	13.4	59.6	78.9	73.8	68.6	73.1	60.7	53.3	35.1	22.1
Johor	51.0	6.8	47.8	66.6	82.5	75.9	68.6	61.4	39.0	24.3	12.8
Kedah	50.0	8.1	61.5	83.4	68.1	59.2	54.1	55.4	42.3	23.7	12.2
Kelantan	43.6	4.3	50.7	70.0	63.1	56.0	53.4	55.3	48.3	17.0	9.1
Melaka	58.4	4.8	54.5	94.5	81.9	67.4	79.1	60.3	51.9	29.0	8.3
Negeri Sembilan	51.4	8.0	50.4	78.8	70.0	67.6	64.5	57.2	48.5	31.5	12.5
Pahang	47.5	5.8	73.6	93.9	57.7	52.3	49.7	50.5	36.3	20.7	14.2
Pulau Pinang	57.6	9.0	45.1	81.6	85.2	82.4	68.0	73.1	57.5	21.2	8.8
Perak	50.7	6.8	51.7	74.8	77.3	63.9	70.9	66.3	44.8	30.3	8.8
Perlis	47.4	7.9	44.2	56.2	61.8	63.6	69.4	50.0	61.4	35.8	17.2
Selangor	70.3	27.0	76.7	94.3	76.1	68.6	94.5	70.7	75.0	50.0	45.0
Terengganu	42.4	6.1	46.0	52.0	83.8	45.5	52.0	49.5	42.2	24.7	8.5
Sabah	56.0	25.8	80.7	86.1	59.0	62.6	56.3	27.7	22.1	52.0	27.9
Sarawak	52.7	10.0	44.2	61.5	68.5	68.7	62.2	64.3	57.6	44.6	43.4
W.P. Kuala Lumpur	66.6	8.1	42.0	68.7	86.0	91.6	91.2	69.3	78.7	43.1	19.7
W.P. Labuan	50.1	11.3	58.3	64.4	66.7	57.3	53.6	52.0	48.7	40.7	10.8
W.P. Putrajaya	79.4	3.0	37.8	92.2	87.1	98.0	100.0	100.0	100.0	100.0	-

Jadual B1.4: Kadar penyertaan tenaga buruh mengikut negeri, kumpulan umur dan strata, Malaysia, 2024
Table B1.4: Labour force participation rate by state, age group and strata, Malaysia, 2024

BandarUrban											
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	72.1	20.6	70.5	87.0	89.2	86.6	89.1	81.1	75.7	59.5	34.5
Johor	71.9	21.5	73.0	85.9	93.0	91.2	86.5	82.8	68.8	60.8	31.7
Kedah	67.7	14.4	79.2	94.5	84.7	79.9	76.7	75.8	68.2	46.1	26.3
Kelantan	61.2	9.0	69.1	90.2	79.4	77.2	76.6	73.6	69.5	36.4	21.9
Melaka	70.9	10.6	65.1	95.4	93.2	83.9	90.1	78.6	68.7	44.1	19.4
Negeri Sembilan	67.7	11.9	64.4	87.8	87.0	86.5	83.9	77.1	71.5	51.2	23.7
Pahang	65.9	10.0	81.5	97.3	80.7	76.1	76.7	74.1	70.1	50.9	38.1
Pulau Pinang	72.9	14.7	70.2	91.0	93.3	90.8	85.2	86.5	78.1	55.9	25.3
Perak	66.8	18.0	61.3	75.8	92.7	84.7	88.2	85.0	70.9	58.0	30.7
Perlis	63.9	13.2	63.6	72.7	80.5	80.4	84.5	59.5	81.0	62.0	48.1
Selangor	78.1	28.8	73.0	88.7	88.6	84.6	97.7	85.5	84.1	74.1	49.1
Terengganu	62.0	9.6	70.5	70.9	94.4	73.0	75.1	73.9	68.2	44.6	18.3
Sabah	69.2	32.9	76.6	90.5	83.3	88.7	82.4	57.0	54.7	53.0	32.1
Sarawak	70.1	18.1	64.7	80.1	89.9	88.2	82.2	83.0	75.7	61.8	48.5
W.P. Kuala Lumpur	75.4	15.2	57.0	80.6	92.4	96.0	93.7	85.4	88.8	47.1	22.9
W.P. Labuan	68.7	20.0	72.2	81.6	83.1	79.0	80.0	77.3	70.2	58.5	34.2
W.P. Putrajaya	78.7	3.5	51.5	96.3	83.5	96.9	100.0	100.0	99.3	88.5	8.7

Jadual B1.4: Kadar penyertaan tenaga buruh mengikut negeri, kumpulan umur dan strata, Malaysia, 2024 (samb.)
Table B1.4: Labour force participation rate by state, age group and strata, Malaysia, 2024 (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	66.2	16.8	71.5	84.0	80.4	77.8	76.5	75.4	69.3	58.1	40.5
Johor	70.3	14.4	84.8	86.9	89.2	81.3	80.7	77.2	71.9	51.5	35.8
Kedah	62.2	13.1	77.4	61.7	84.9	76.8	73.3	75.7	58.8	53.3	43.2
Kelantan	54.9	4.3	53.2	78.0	81.5	77.4	72.8	75.3	66.3	25.3	29.5
Melaka	67.6	13.0	69.2	89.8	83.7	81.0	82.8	65.4	76.5	44.4	15.7
Negeri Sembilan	64.3	11.7	65.2	87.0	82.0	80.1	81.2	76.0	69.3	53.4	31.5
Pahang	64.8	10.4	56.3	93.7	82.9	80.6	76.9	74.5	65.4	52.7	40.8
Pulau Pinang	60.1	14.6	66.6	59.4	61.5	93.6	73.3	77.1	66.4	51.8	21.6
Perak	65.9	11.9	64.9	87.9	83.7	80.1	80.0	72.4	63.3	55.1	28.2
Perlis	59.7	14.7	41.4	78.5	70.7	74.9	83.7	74.2	69.2	63.9	29.4
Selangor	73.3	25.8	84.5	95.0	87.1	86.6	78.4	88.4	88.4	61.0	25.4
Terengganu	58.4	8.7	58.4	85.0	74.1	72.9	75.9	73.4	64.0	41.2	29.3
Sabah	73.2	33.9	88.7	91.1	75.1	71.1	72.7	73.3	69.2	93.8	61.2
Sarawak	69.0	16.6	73.1	81.4	77.1	78.7	77.9	77.1	77.9	71.8	60.1
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	63.4	31.0	72.1	71.0	79.5	75.2	58.7	67.6	83.5	81.1	31.6
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, 2024
Table B1.5: Labour force participation rate by state and educational attainment, Malaysia, 2024

Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah (%) Total	70.6	60.0	68.2	67.9	77.0
Johor	71.6	54.5	63.8	70.5	77.3
Kedah	66.0	50.3	64.8	64.5	71.1
Kelantan	57.7	45.9	57.7	58.1	58.3
Melaka	70.6	28.9	52.5	71.3	73.8
Negeri Sembilan	66.7	55.3	64.3	65.1	70.9
Pahang	65.4	56.5	70.9	63.4	69.7
Pulau Pinang	72.0	39.9	57.2	69.3	79.8
Perak	66.5	46.3	68.5	66.0	68.4
Perlis	62.0	45.7	56.3	62.4	63.4
Selangor	77.9	39.1	56.4	72.9	86.0
Terengganu	60.7	57.7	59.0	59.4	63.8
Sabah	70.9	73.9	79.1	66.0	72.5
Sarawak	69.7	50.0	69.9	69.9	72.1
W.P. Kuala Lumpur	75.4	52.1	58.5	70.5	81.7
W.P. Labuan	68.1	67.0	62.8	63.8	78.4
W.P. Putrajaya	78.7	-	91.2	61.4	87.5

Jadual B1.6: Kadar penyertaan tenaga buruh mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2024
Table B1.6: Labour force participation rate by state, educational attainment and sex, Malaysia, 2024

Lelaki/Male					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah (%) Total	83.0	74.6	89.6	82.1	83.7
Johor	88.4	80.8	89.6	86.1	94.9
Kedah	81.0	57.4	90.6	80.8	80.9
Kelantan	71.8	69.6	82.9	73.2	66.3
Melaka	81.1	39.8	76.9	83.9	76.0
Negeri Sembilan	80.5	72.2	85.7	80.1	80.3
Pahang	80.2	65.2	92.4	80.9	74.0
Pulau Pinang	85.6	57.5	84.9	82.6	92.0
Perak	80.4	61.1	90.5	80.8	74.7
Perlis	76.8	67.5	66.5	79.8	72.8
Selangor	84.3	42.0	80.8	83.9	86.0
Terengganu	77.5	74.5	79.6	78.1	76.0
Sabah	84.3	89.4	96.0	80.8	75.2
Sarawak	85.4	71.0	90.2	84.6	86.6
W.P. Kuala Lumpur	82.6	66.4	75.6	79.2	87.1
W.P. Labuan	85.7	88.6	89.7	81.6	92.2
W.P. Putrajaya	78.0	-	88.9	64.5	86.1

Jadual B1.6: Kadar penyertaan tenaga buruh mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2024 (samb.)
Table B1.6: Labour force participation rate by state, educational attainment and sex, Malaysia, 2024 (cont'd)

Perempuan/Female					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah (%) Total	56.5	43.4	40.2	50.3	70.9
Johor	51.0	10.3	21.7	49.4	61.8
Kedah	50.0	38.5	33.3	45.0	63.9
Kelantan	43.6	17.0	31.0	41.0	52.0
Melaka	58.4	20.2	29.8	53.9	71.8
Negeri Sembilan	51.4	33.9	33.0	46.2	63.2
Pahang	47.5	47.5	37.2	41.2	65.6
Pulau Pinang	57.6	18.9	23.2	54.4	68.5
Perak	50.7	17.4	25.7	49.0	63.0
Perlis	47.4	15.5	48.0	42.5	56.4
Selangor	70.3	34.1	33.7	58.2	86.1
Terengganu	42.4	19.8	31.3	36.8	54.3
Sabah	56.0	58.7	58.5	49.4	69.8
Sarawak	52.7	37.3	46.6	51.7	60.1
W.P. Kuala Lumpur	66.6	22.9	34.6	58.5	75.8
W.P. Labuan	50.1	43.8	36.7	44.5	65.9
W.P. Putrajaya	79.4	-	100.0	57.8	88.7

Jadual B1.7: Kadar penyertaan tenaga buruh mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2024
Table B1.7: Labour force participation rate by state, educational attainment and strata, Malaysia, 2024

Bandar/Urban					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah (%) Total	72.1	60.8	63.1	68.9	79.1
Johor	71.9	58.2	59.9	71.0	77.4
Kedah	67.7	72.5	67.6	64.3	74.5
Kelantan	61.2	47.2	61.8	60.5	63.3
Melaka	70.9	27.9	48.9	71.3	74.4
Negeri Sembilan	67.7	41.2	60.3	66.8	71.3
Pahang	65.9	37.9	57.7	62.1	77.3
Pulau Pinang	72.9	46.4	58.2	70.0	80.6
Perak	66.8	50.6	63.1	66.3	69.8
Perlis	63.9	32.9	53.0	62.8	68.6
Selangor	78.1	37.5	52.5	73.1	86.1
Terengganu	62.0	61.4	55.8	59.9	66.6
Sabah	69.2	74.8	76.4	64.5	71.1
Sarawak	70.1	36.1	60.1	71.1	73.4
W.P. Kuala Lumpur	75.4	52.1	58.5	70.5	81.7
W.P. Labuan	68.7	69.9	58.1	64.3	79.0
W.P. Putrajaya	78.7	-	91.2	61.4	87.5

Jadual B1.7: Kadar penyertaan tenaga buruh mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2024 (samb.)
Table B1.7: Labour force participation rate by state, educational attainment and strata, Malaysia, 2024 (cont'd)

Luar bandar/Rural					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah (%) Total	66.2	58.8	74.2	65.0	64.7
Johor	70.3	41.4	70.9	68.9	76.8
Kedah	62.2	31.0	61.2	64.9	59.1
Kelantan	54.9	45.2	55.4	56.2	53.6
Melaka	67.6	31.9	67.0	70.3	63.9
Negeri Sembilan	64.3	68.4	68.8	61.0	69.5
Pahang	64.8	62.0	76.2	64.7	58.4
Pulau Pinang	60.1	14.2	48.2	61.1	67.0
Perak	65.9	39.1	74.0	65.2	62.2
Perlis	59.7	51.5	60.5	61.9	56.1
Selangor	73.3	57.7	76.7	69.8	82.3
Terengganu	58.4	49.7	62.3	58.7	56.9
Sabah	73.2	72.5	81.3	68.1	76.2
Sarawak	69.0	57.5	75.7	68.1	68.0
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	63.4	57.7	70.2	57.9	68.5
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 diperoleh, Malaysia, 2024
Table B1.8: Labour force participation rate by state and highest certificate obtained, Malaysia, 2024

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	70.6	54.2	45.4	73.9	64.6	89.8	82.9	90.3	66.3	59.9
Johor	71.6	53.4	43.6	77.4	67.6	92.4	85.6	90.2	63.7	54.2
Kedah	66.0	53.1	43.9	69.7	55.9	86.8	81.5	86.7	62.9	50.5
Kelantan	57.7	40.0	35.6	62.7	44.3	78.0	72.8	81.1	57.7	46.3
Melaka	70.6	51.9	46.2	75.3	64.2	82.5	79.6	91.8	42.1	28.9
Negeri Sembilan	66.7	53.0	46.4	69.4	42.9	82.4	77.9	85.3	57.9	55.3
Pahang	65.4	53.7	42.8	68.8	53.7	88.6	82.3	88.3	75.5	56.5
Pulau Pinang	72.0	51.6	51.5	74.0	56.8	90.9	83.2	91.4	60.1	39.9
Perak	66.5	54.6	42.7	72.2	51.7	87.0	78.2	83.4	65.6	46.4
Perlis	62.0	44.5	42.9	65.6	49.7	86.2	73.8	81.5	46.8	45.7
Selangor	77.9	40.3	44.4	79.6	80.0	95.9	87.7	93.6	40.2	39.2
Terengganu	60.7	35.9	36.3	64.1	46.4	84.7	77.7	77.9	61.1	58.0
Sabah	70.9	67.9	51.7	72.8	67.3	80.2	81.9	90.3	76.2	73.6
Sarawak	69.7	64.3	54.3	74.8	66.8	89.4	82.4	89.7	59.7	50.2
W.P. Kuala Lumpur	75.4	39.3	41.6	76.8	62.4	87.6	79.9	92.1	59.2	52.1
W.P. Labuan	68.1	49.3	43.0	70.2	68.0	86.0	88.5	90.7	68.9	66.8
W.P. Putrajaya	78.7	55.7	18.8	76.5	76.8	97.6	91.7	91.4	-	-

Jadual B1.9: Kadar penyertaan tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2024
Table B1.9: Labour force participation rate by state, highest certificate obtained and sex, Malaysia, 2024

Lelaki/Male Negeri State	Jumlah Total	UPSR/ UPSRA atau yang setaraf UPSRA/ 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	83.0	72.4	61.2	88.7	76.6	93.2	88.1	93.7	85.0	74.6
Johor	88.4	76.5	65.5	94.9	93.2	96.7	97.5	97.3	83.9	80.6
Kedah	81.0	72.7	62.0	87.3	86.0	92.2	89.5	89.7	85.9	57.7
Kelantan	71.8	56.9	50.2	78.0	60.1	80.2	84.1	88.8	84.2	70.0
Melaka	81.1	71.9	63.0	87.5	76.4	89.9	75.6	95.5	66.8	39.8
Negeri Sembilan	80.5	69.5	60.6	85.2	62.1	91.7	91.4	90.2	85.4	72.2
Pahang	80.2	72.0	59.5	87.4	61.6	95.1	83.4	94.1	93.5	65.2
Pulau Pinang	85.6	71.9	64.8	90.3	86.3	93.3	95.4	95.8	87.3	57.5
Perak	80.4	73.3	58.6	88.3	62.0	93.0	84.9	84.6	86.4	61.2
Perlis	76.8	53.0	60.5	84.3	65.1	95.5	84.1	88.1	57.6	67.5
Selangor	84.3	55.8	56.3	89.6	77.7	96.9	85.7	94.0	62.6	42.1
Terengganu	77.5	50.3	50.7	85.8	73.9	93.6	90.2	81.8	80.0	75.0
Sabah	84.3	83.7	68.4	86.8	73.4	77.5	88.8	93.0	90.8	89.3
Sarawak	85.4	82.5	70.4	91.3	88.1	95.4	95.3	96.2	79.2	71.6
W.P. Kuala Lumpur	82.6	52.7	52.4	87.0	72.8	91.1	82.2	95.7	67.8	66.4
W.P. Labuan	85.7	66.7	63.2	90.1	100.0	95.0	98.2	98.2	92.6	88.5
W.P. Putrajaya	78.0	63.6	30.3	79.0	71.7	100.0	93.4	87.4	-	-

Jadual B1.9: Kadar penyertaan tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2024 (samb.)

Table B1.9: Labour force participation rate by state, highest certificate obtained and sex, Malaysia, 2024 (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	56.5	30.0	25.1	56.7	56.1	82.7	78.0	87.0	40.9	43.2
Johor	51.0	18.4	15.0	56.5	48.1	78.7	73.0	83.6	16.4	10.3
Kedah	50.0	27.3	19.7	50.6	41.6	75.8	74.9	84.7	33.0	38.5
Kelantan	43.6	19.8	17.9	46.7	35.1	72.4	62.7	76.1	29.1	17.2
Melaka	58.4	27.3	19.1	60.0	56.5	67.5	83.6	88.8	24.0	20.2
Negeri Sembilan	51.4	28.9	27.0	50.5	35.7	60.0	66.2	81.9	25.2	33.9
Pahang	47.5	29.0	18.1	47.1	47.2	73.4	81.3	84.0	34.4	47.5
Pulau Pinang	57.6	19.6	33.6	58.8	43.0	84.3	69.5	87.0	25.6	18.9
Perak	50.7	23.9	24.0	55.4	43.2	73.1	71.8	82.5	21.6	17.4
Perlis	47.4	34.2	23.3	45.8	36.9	69.5	65.4	77.7	39.0	15.5
Selangor	70.3	23.5	29.2	66.1	82.0	94.3	89.4	93.1	23.6	34.1
Terengganu	42.4	16.0	16.9	40.3	35.5	61.5	66.1	75.5	34.3	19.8
Sabah	56.0	46.8	33.1	57.4	61.9	86.3	74.8	87.7	59.6	58.4
Sarawak	52.7	41.2	33.5	56.8	51.7	76.3	71.4	83.7	39.4	37.3
W.P. Kuala Lumpur	66.6	24.8	26.8	63.8	53.8	82.3	77.8	87.8	41.7	22.9
W.P. Labuan	50.1	28.7	21.7	50.7	54.1	60.8	76.5	85.4	43.1	43.8
W.P. Putrajaya	79.4	38.5	2.7	73.8	80.5	92.8	90.4	94.5	-	-

Jadual B1.10: Kadar penyertaan tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2024
Table B1.10: Labour force participation rate by state, highest certificate obtained and strata, Malaysia, 2024

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	72.1	48.5	42.9	75.3	66.7	91.4	83.8	90.7	61.3	60.7
Johor	71.9	50.6	40.6	78.2	66.4	93.5	85.7	90.4	56.1	58.2
Kedah	67.7	51.6	40.3	70.0	54.3	90.1	83.4	88.9	69.9	72.5
Kelantan	61.2	39.6	36.5	65.7	44.5	82.5	75.4	80.5	64.7	47.2
Melaka	70.9	48.5	44.1	75.5	65.9	81.8	80.0	91.9	43.5	27.9
Negeri Sembilan	67.7	50.6	47.1	70.5	38.0	83.1	79.3	85.7	53.8	41.2
Pahang	65.9	41.5	33.8	70.1	58.9	93.8	88.3	87.9	61.0	37.9
Pulau Pinang	72.9	52.3	52.3	74.7	57.9	92.1	84.1	91.7	61.2	46.4
Perak	66.8	48.7	40.2	72.8	53.9	89.6	79.4	82.7	58.4	50.6
Perlis	63.9	41.8	41.4	67.4	55.4	95.1	79.1	80.9	48.9	32.9
Selangor	78.1	36.5	44.0	79.8	80.4	96.0	87.5	93.6	38.7	37.5
Terengganu	62.0	37.1	34.4	65.2	45.5	86.4	78.9	78.3	52.1	61.4
Sabah	69.2	61.8	43.9	71.0	64.8	75.0	80.7	89.8	74.3	74.5
Sarawak	70.1	55.7	48.7	77.0	67.3	91.4	82.3	89.3	45.9	36.4
W.P. Kuala Lumpur	75.4	39.3	41.6	76.8	62.4	87.6	79.9	92.1	59.2	52.1
W.P. Labuan	68.7	47.7	44.3	69.8	68.3	86.4	89.7	91.2	65.9	69.9
W.P. Putrajaya	78.7	55.7	18.8	76.5	76.8	97.6	91.7	91.4	-	-

Jadual B1.10: Kadar penyertaan tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2024 (samb.)
Table B1.10: Labour force participation rate by state, highest certificate obtained and strata, Malaysia, 2024 (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	66.2	63.6	50.9	69.5	56.7	82.7	76.8	86.0	72.5	58.7
Johor	70.3	60.9	52.2	74.5	74.0	89.1	84.9	89.1	74.5	39.8
Kedah	62.2	55.3	49.5	69.2	59.8	79.9	72.6	75.5	50.9	31.2
Kelantan	54.9	40.2	34.9	60.2	44.1	73.5	69.4	81.8	53.1	45.8
Melaka	67.6	68.9	58.7	73.3	47.8	90.4	71.2	89.0	28.5	31.9
Negeri Sembilan	64.3	56.8	44.9	66.7	62.1	80.8	73.1	83.9	62.1	68.4
Pahang	64.8	62.2	50.3	67.4	48.3	80.1	72.6	89.3	79.5	62.0
Pulau Pinang	60.1	44.6	41.6	66.8	42.1	80.2	68.1	84.5	47.5	14.2
Perak	65.9	63.7	47.9	70.7	43.5	79.2	71.8	87.6	73.1	39.2
Perlis	59.7	48.1	44.6	63.4	42.5	77.6	65.1	82.7	44.2	51.5
Selangor	73.3	67.0	50.3	75.8	67.8	91.4	92.6	93.3	59.4	58.9
Terengganu	58.4	34.1	39.1	62.1	48.2	80.5	74.0	76.7	68.6	50.5
Sabah	73.2	73.0	59.3	75.6	71.1	92.2	84.7	91.7	78.3	72.1
Sarawak	69.0	70.7	60.5	71.1	65.6	85.6	82.8	91.4	68.3	57.6
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	63.4	55.3	29.9	76.0	63.8	79.0	69.7	82.5	72.2	57.0
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, 2024
Table B2.1: Labour force by state, strata and sex, Malaysia, 2024

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	16,903.5	10,584.1	6,319.3	13,126.4	8,063.3	5,063.1	3,777.1	2,520.8	1,256.2
Johor	2,126.3	1,444.8	681.5	1,679.2	1,115.3	563.9	447.1	329.5	117.6
Kedah	981.3	620.8	360.5	690.5	428.7	261.8	290.8	192.1	98.7
Kelantan	706.0	441.1	264.9	339.0	216.3	122.7	367.0	224.8	142.2
Melaka	525.4	325.5	199.9	481.1	295.4	185.7	44.2	30.1	14.2
Negeri Sembilan	567.2	360.0	207.2	408.5	250.5	158.0	158.7	109.5	49.3
Pahang	757.4	507.3	250.1	388.9	251.8	137.1	368.5	255.5	113.0
Pulau Pinang	950.2	580.9	369.3	891.3	544.6	346.6	58.9	36.3	22.7
Perak	1,178.4	760.4	417.9	845.2	519.7	325.5	333.1	240.7	92.4
Perlis	133.2	82.0	51.3	77.3	47.6	29.7	55.9	34.3	21.6
Selangor	4,083.4	2,401.3	1,682.1	3,923.2	2,306.0	1,617.2	160.2	95.3	64.9
Terengganu	494.3	328.3	165.9	328.5	214.5	114.1	165.7	113.9	51.9
Sabah	1,858.3	1,162.8	695.4	1,044.1	641.1	403.0	814.1	521.7	292.4
Sarawak	1,249.8	795.9	453.9	742.3	462.3	280.0	507.5	333.6	173.9
W.P. Kuala Lumpur	1,184.7	713.7	471.0	1,184.7	713.7	471.0	n.a.	n.a.	n.a.
W.P. Labuan	47.5	30.2	17.3	42.4	26.6	15.8	5.1	3.6	1.5
W.P. Putrajaya	60.2	29.2	31.0	60.2	29.2	31.0	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	12.6	13.7	10.8	12.8	13.8	11.1	11.8	13.1	9.4
Kedah	5.8	5.9	5.7	5.3	5.3	5.2	7.7	7.6	7.9
Kelantan	4.2	4.2	4.2	2.6	2.7	2.4	9.7	8.9	11.3
Melaka	3.1	3.1	3.2	3.7	3.7	3.7	1.2	1.2	1.1
Negeri Sembilan	3.4	3.4	3.3	3.1	3.1	3.1	4.2	4.3	3.9
Pahang	4.5	4.8	4.0	3.0	3.1	2.7	9.8	10.1	9.0
Pulau Pinang	5.6	5.5	5.8	6.8	6.8	6.8	1.6	1.4	1.8
Perak	7.0	7.2	6.6	6.4	6.4	6.4	8.8	9.5	7.4
Perlis	0.8	0.8	0.8	0.6	0.6	0.6	1.5	1.4	1.7
Selangor	24.2	22.7	26.6	29.9	28.6	31.9	4.2	3.8	5.2
Terengganu	2.9	3.1	2.6	2.5	2.7	2.3	4.4	4.5	4.1
Sabah	11.0	11.0	11.0	8.0	8.0	8.0	21.6	20.7	23.3
Sarawak	7.4	7.5	7.2	5.7	5.7	5.5	13.4	13.2	13.8
W.P. Kuala Lumpur	7.0	6.7	7.5	9.0	8.9	9.3	n.a.	n.a.	n.a.
W.P. Labuan	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1
W.P. Putrajaya	0.4	0.3	0.5	0.5	0.4	0.6	n.a.	n.a.	n.a.

Jadual B2.2: Tenaga buruh mengikut negeri dan kumpulan umur, Malaysia, 2024

Table B2.2: *Labour force by state and age group, Malaysia, 2024*

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	16,903.5	535.6	2,238.4	2,619.9	2,583.3	2,421.3	2,256.9	1,614.1	1,281.2	870.3	482.5
Johor	2,126.3	67.1	311.6	343.5	320.5	292.2	258.9	201.8	155.6	118.6	56.7
Kedah	981.3	24.6	162.3	188.3	155.5	117.0	95.7	86.1	71.7	50.4	29.9
Kelantan	706.0	11.6	125.8	136.3	104.1	90.0	75.7	62.7	56.2	23.6	20.0
Melaka	525.4	7.4	75.7	89.0	111.9	63.1	69.5	54.5	30.1	16.4	7.7
Negeri Sembilan	567.2	11.2	72.5	86.9	94.7	90.3	76.0	52.9	40.8	26.6	15.3
Pahang	757.4	16.1	107.7	124.1	110.1	105.8	104.8	77.0	55.0	32.6	24.2
Pulau Pinang	950.2	17.6	110.6	158.6	150.7	136.2	117.9	97.7	85.0	54.8	21.2
Perak	1,178.4	32.5	155.2	177.1	175.1	160.6	158.4	124.8	86.8	69.2	38.6
Perlis	133.2	3.4	19.1	23.3	16.1	17.0	16.4	15.8	9.8	7.5	4.8
Selangor	4,083.4	142.3	455.5	541.5	572.3	620.5	623.9	406.8	343.3	245.0	132.3
Terengganu	494.3	10.2	79.3	79.0	84.0	65.4	62.5	46.1	36.9	20.8	10.2
Sabah	1,858.3	131.2	325.3	363.7	274.0	243.7	199.5	111.6	87.6	81.3	40.4
Sarawak	1,249.8	35.6	150.9	177.5	190.9	168.7	144.6	121.7	111.1	84.8	64.0
W.P. Kuala Lumpur	1,184.7	22.8	77.6	119.5	210.0	229.6	229.0	142.3	104.2	33.8	15.9
W.P. Labuan	47.5	1.7	6.6	6.9	7.3	7.4	6.8	4.0	3.2	2.5	1.1
W.P. Putrajaya	60.2	0.4	2.8	4.9	6.2	14.0	17.2	8.4	3.7	2.4	0.2
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	12.5	13.9	13.1	12.4	12.1	11.5	12.5	12.1	13.6	11.7
Kedah	5.8	4.6	7.2	7.2	6.0	4.8	4.2	5.3	5.6	5.8	6.2
Kelantan	4.2	2.2	5.6	5.2	4.0	3.7	3.4	3.9	4.4	2.7	4.2
Melaka	3.1	1.4	3.4	3.4	4.3	2.6	3.1	3.4	2.4	1.9	1.6
Negeri Sembilan	3.4	2.1	3.2	3.3	3.7	3.7	3.4	3.3	3.2	3.1	3.2
Pahang	4.5	3.0	4.8	4.7	4.3	4.4	4.6	4.8	4.3	3.7	5.0
Pulau Pinang	5.6	3.3	4.9	6.1	5.8	5.6	5.2	6.1	6.6	6.3	4.4
Perak	7.0	6.1	6.9	6.8	6.8	6.6	7.0	7.7	6.8	8.0	8.0
Perlis	0.8	0.6	0.9	0.9	0.6	0.7	0.7	1.0	0.8	0.9	1.0
Selangor	24.2	26.6	20.3	20.7	22.2	25.6	27.6	25.2	26.8	28.2	27.4
Terengganu	2.9	1.9	3.5	3.0	3.3	2.7	2.8	2.9	2.9	2.4	2.1
Sabah	11.0	24.5	14.5	13.9	10.6	10.1	8.8	6.9	6.8	9.3	8.4
Sarawak	7.4	6.6	6.7	6.8	7.4	7.0	6.4	7.5	8.7	9.7	13.3
W.P. Kuala Lumpur	7.0	4.3	3.5	4.6	8.1	9.5	10.1	8.8	8.1	3.9	3.3
W.P. Labuan	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2
W.P. Putrajaya	0.4	0.1	0.1	0.2	0.2	0.6	0.8	0.5	0.3	0.3	0.0

Jadual B2.3: Tenaga buruh mengikut negeri, kumpulan umur dan jantina, Malaysia, 2024

Table B2.3: Labour force by state, age group and sex, Malaysia, 2024

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	10,584.1	360.9	1,385.8	1,567.2	1,601.0	1,505.0	1,361.1	1,025.8	830.2	612.1	335.0
Johor	1,444.8	56.6	228.0	235.2	195.1	181.7	162.4	132.0	113.3	94.6	45.9
Kedah	620.8	17.7	104.3	103.5	96.5	73.9	61.3	54.7	47.5	37.5	23.8
Kelantan	441.1	7.8	73.1	79.8	65.5	58.4	49.4	39.1	35.1	16.5	16.3
Melaka	325.5	5.9	47.0	49.1	73.0	40.0	43.0	32.2	18.4	10.8	6.0
Negeri Sembilan	360.0	7.7	45.8	50.4	60.6	57.2	48.5	33.3	26.9	18.0	11.7
Pahang	507.3	11.8	56.1	74.5	78.0	74.8	75.0	50.4	40.9	26.2	19.8
Pulau Pinang	580.9	12.5	76.1	91.4	82.2	74.3	71.7	57.1	53.9	44.2	17.5
Perak	760.4	26.0	97.3	105.9	111.7	105.6	98.5	75.0	57.8	49.9	32.7
Perlis	82.0	2.5	11.2	14.7	9.9	10.2	9.8	9.5	5.2	5.2	3.7
Selangor	2,401.3	77.7	256.5	309.8	352.1	380.2	335.3	252.4	199.2	165.0	73.2
Terengganu	328.3	6.9	53.2	53.4	47.5	46.3	42.4	30.8	24.9	14.6	8.2
Sabah	1,162.8	83.6	175.3	201.3	178.7	152.5	131.0	88.4	72.4	52.0	27.8
Sarawak	795.9	25.8	104.3	114.0	118.7	104.1	91.1	73.7	69.5	56.4	38.3
W.P. Kuala Lumpur	713.7	17.0	52.2	77.4	124.4	134.6	128.8	90.3	61.4	18.6	9.0
W.P. Labuan	30.2	1.3	3.7	4.1	4.3	4.7	4.7	2.7	2.1	1.6	1.0
W.P. Putrajaya	29.2	0.2	1.9	2.7	2.8	6.3	8.0	4.3	1.9	1.0	0.2
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	15.7	16.4	15.0	12.2	12.1	11.9	12.9	13.6	15.5	13.7
Kedah	5.9	4.9	7.5	6.6	6.0	4.9	4.5	5.3	5.7	6.1	7.1
Kelantan	4.2	2.2	5.3	5.1	4.1	3.9	3.6	3.8	4.2	2.7	4.9
Melaka	3.1	1.6	3.4	3.1	4.6	2.7	3.2	3.1	2.2	1.8	1.8
Negeri Sembilan	3.4	2.1	3.3	3.2	3.8	3.8	3.6	3.2	3.2	2.9	3.5
Pahang	4.8	3.3	4.0	4.8	4.9	5.0	5.5	4.9	4.9	4.3	5.9
Pulau Pinang	5.5	3.5	5.5	5.8	5.1	4.9	5.3	5.6	6.5	7.2	5.2
Perak	7.2	7.2	7.0	6.8	7.0	7.0	7.2	7.3	7.0	8.1	9.8
Perlis	0.8	0.7	0.8	0.9	0.6	0.7	0.7	0.9	0.6	0.8	1.1
Selangor	22.7	21.5	18.5	19.8	22.0	25.3	24.6	24.6	24.0	27.0	21.8
Terengganu	3.1	1.9	3.8	3.4	3.0	3.1	3.1	3.0	3.0	2.4	2.4
Sabah	11.0	23.2	12.7	12.8	11.2	10.1	9.6	8.6	8.7	8.5	8.3
Sarawak	7.5	7.2	7.5	7.3	7.4	6.9	6.7	7.2	8.4	9.2	11.4
W.P. Kuala Lumpur	6.7	4.7	3.8	4.9	7.8	8.9	9.5	8.8	7.4	3.0	2.7
W.P. Labuan	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3
W.P. Putrajaya	0.3	0.1	0.1	0.2	0.2	0.4	0.6	0.4	0.2	0.2	0.1

Jadual B2.3: Tenaga buruh mengikut negeri, kumpulan umur dan jantina, Malaysia, 2024 (samb.)

Table B2.3: Labour force by state, age group and sex, Malaysia, 2024 (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	6,319.3	174.6	852.6	1,052.7	982.3	916.3	895.8	588.3	451.0	258.2	147.5
Johor	681.5	10.5	83.6	108.3	125.4	110.4	96.5	69.8	42.3	24.0	10.7
Kedah	360.5	6.8	58.0	84.8	59.0	43.0	34.4	31.4	24.3	12.9	6.0
Kelantan	264.9	3.8	52.8	56.5	38.6	31.5	26.3	23.5	21.2	7.0	3.7
Melaka	199.9	1.6	28.7	39.9	38.8	23.1	26.5	22.3	11.7	5.6	1.7
Negeri Sembilan	207.2	3.5	26.7	36.5	34.1	33.0	27.5	19.7	14.0	8.6	3.7
Pahang	250.1	4.3	51.6	49.6	32.2	31.0	29.8	26.6	14.1	6.5	4.4
Pulau Pinang	369.3	5.1	34.5	67.1	68.5	61.9	46.3	40.6	31.0	10.6	3.7
Perak	417.9	6.5	57.8	71.2	63.5	54.9	59.9	49.9	29.0	19.3	5.9
Perlis	51.3	0.9	7.9	8.5	6.1	6.8	6.5	6.3	4.6	2.3	1.1
Selangor	1,682.1	64.6	199.1	231.7	220.1	240.3	288.6	154.4	144.2	80.0	59.1
Terengganu	165.9	3.2	26.1	25.6	36.5	19.1	20.1	15.2	12.0	6.1	2.0
Sabah	695.4	47.6	150.0	162.4	95.3	91.2	68.5	23.2	15.3	29.4	12.6
Sarawak	453.9	9.8	46.6	63.5	72.2	64.6	53.5	48.0	41.7	28.4	25.7
W.P. Kuala Lumpur	471.0	5.9	25.4	42.0	85.6	95.0	100.2	51.9	42.9	15.2	6.9
W.P. Labuan	17.3	0.4	2.9	2.8	3.0	2.6	2.1	1.3	1.1	0.8	0.2
W.P. Putrajaya	31.0	0.1	0.9	2.3	3.4	7.7	9.2	4.1	1.9	1.3	0.0
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	10.8	6.0	9.8	10.3	12.8	12.1	10.8	11.9	9.4	9.3	7.3
Kedah	5.7	3.9	6.8	8.1	6.0	4.7	3.8	5.3	5.4	5.0	4.1
Kelantan	4.2	2.2	6.2	5.4	3.9	3.4	2.9	4.0	4.7	2.7	2.5
Melaka	3.2	0.9	3.4	3.8	4.0	2.5	3.0	3.8	2.6	2.2	1.2
Negeri Sembilan	3.3	2.0	3.1	3.5	3.5	3.6	3.1	3.3	3.1	3.3	2.5
Pahang	4.0	2.5	6.1	4.7	3.3	3.4	3.3	4.5	3.1	2.5	3.0
Pulau Pinang	5.8	2.9	4.0	6.4	7.0	6.8	5.2	6.9	6.9	4.1	2.5
Perak	6.6	3.7	6.8	6.8	6.5	6.0	6.7	8.5	6.4	7.5	4.0
Perlis	0.8	0.5	0.9	0.8	0.6	0.7	0.7	1.1	1.0	0.9	0.7
Selangor	26.6	37.0	23.3	22.0	22.4	26.2	32.2	26.3	32.0	31.0	40.1
Terengganu	2.6	1.9	3.1	2.4	3.7	2.1	2.2	2.6	2.7	2.4	1.4
Sabah	11.0	27.3	17.6	15.4	9.7	10.0	7.6	3.9	3.4	11.4	8.6
Sarawak	7.2	5.6	5.5	6.0	7.3	7.0	6.0	8.2	9.2	11.0	17.4
W.P. Kuala Lumpur	7.5	3.4	3.0	4.0	8.7	10.4	11.2	8.8	9.5	5.9	4.7
W.P. Labuan	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.1
W.P. Putrajaya	0.5	0.1	0.1	0.2	0.4	0.8	1.0	0.7	0.4	0.5	0.0

Jadual B2.4: Tenaga buruh mengikut negeri, kumpulan umur dan strata, Malaysia, 2024

Table B2.4: Labour force by state, age group and strata, Malaysia, 2024

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	13,126.4	416.5	1,663.0	1,963.3	2,036.9	1,935.4	1,824.5	1,276.3	1,005.0	656.5	349.1
Johor	1,679.2	58.0	233.0	272.3	255.3	232.6	210.6	159.7	122.3	94.7	40.7
Kedah	690.5	17.5	109.8	140.7	111.6	84.1	67.5	60.1	52.0	30.3	16.8
Kelantan	339.0	7.1	64.4	67.4	47.2	42.9	35.5	27.4	26.4	12.7	8.1
Melaka	481.1	6.7	68.2	81.1	104.0	58.6	63.9	50.1	26.5	14.9	7.2
Negeri Sembilan	408.5	7.6	55.5	63.7	69.2	65.7	53.3	37.9	28.6	18.0	9.0
Pahang	388.9	8.5	65.9	59.9	50.0	49.2	54.9	41.3	29.6	17.3	12.1
Pulau Pinang	891.3	16.2	103.4	149.8	143.3	126.7	109.8	91.7	80.3	50.2	19.9
Perak	845.2	26.1	109.8	113.8	121.9	116.2	117.1	92.9	65.1	52.2	30.2
Perlis	77.3	1.9	12.3	12.5	10.3	10.3	8.9	8.2	5.5	4.1	3.3
Selangor	3,923.2	136.1	431.5	521.2	552.7	597.9	604.1	390.4	328.5	232.4	128.5
Terengganu	328.5	6.6	55.8	49.3	61.2	43.6	41.8	29.4	22.0	13.3	5.5
Sabah	1,044.1	77.7	179.1	194.8	167.7	151.2	116.1	57.0	44.9	36.5	19.1
Sarawak	742.3	22.0	88.1	106.2	119.7	106.0	88.5	76.1	62.4	41.6	31.6
W.P. Kuala Lumpur	1,184.7	22.8	77.6	119.5	210.0	229.6	229.0	142.3	104.2	33.8	15.9
W.P. Labuan	42.4	1.3	5.8	6.2	6.4	6.7	6.3	3.5	2.9	2.2	1.0
W.P. Putrajaya	60.2	0.4	2.8	4.9	6.2	14.0	17.2	8.4	3.7	2.4	0.2
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	13.9	14.0	13.9	12.5	12.0	11.5	12.5	12.2	14.4	11.7
Kedah	5.3	4.2	6.6	7.2	5.5	4.3	3.7	4.7	5.2	4.6	4.8
Kelantan	2.6	1.7	3.9	3.4	2.3	2.2	1.9	2.1	2.6	1.9	2.3
Melaka	3.7	1.6	4.1	4.1	5.1	3.0	3.5	3.9	2.6	2.3	2.0
Negeri Sembilan	3.1	1.8	3.3	3.2	3.4	3.4	2.9	3.0	2.8	2.7	2.6
Pahang	3.0	2.0	4.0	3.1	2.5	2.5	3.0	3.2	2.9	2.6	3.5
Pulau Pinang	6.8	3.9	6.2	7.6	7.0	6.5	6.0	7.2	8.0	7.6	5.7
Perak	6.4	6.3	6.6	5.8	6.0	6.0	6.4	7.3	6.5	7.9	8.7
Perlis	0.6	0.5	0.7	0.6	0.5	0.5	0.5	0.6	0.5	0.6	0.9
Selangor	29.9	32.7	25.9	26.5	27.1	30.9	33.1	30.6	32.7	35.4	36.8
Terengganu	2.5	1.6	3.4	2.5	3.0	2.3	2.3	2.3	2.2	2.0	1.6
Sabah	8.0	18.7	10.8	9.9	8.2	7.8	6.4	4.5	4.5	5.6	5.5
Sarawak	5.7	5.3	5.3	5.4	5.9	5.5	4.9	6.0	6.2	6.3	9.0
W.P. Kuala Lumpur	9.0	5.5	4.7	6.1	10.3	11.9	12.6	11.1	10.4	5.2	4.6
W.P. Labuan	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
W.P. Putrajaya	0.5	0.1	0.2	0.3	0.3	0.7	0.9	0.7	0.4	0.4	0.1

Jadual B2.4: Tenaga buruh mengikut negeri, kumpulan umur dan strata, Malaysia, 2024 (samb.)

Table B2.4: Labour force by state, age group and strata, Malaysia, 2024 (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	3,777.1	119.0	575.4	656.6	546.4	485.9	432.4	337.9	276.2	213.9	133.4
Johor	447.1	9.1	78.6	71.2	65.1	59.6	48.3	42.1	33.3	23.9	15.9
Kedah	290.8	7.1	52.4	47.6	43.8	32.9	28.1	26.0	19.7	20.1	13.0
Kelantan	367.0	4.5	61.5	68.9	56.9	47.0	40.2	35.3	29.9	10.9	12.0
Melaka	44.2	0.7	7.5	7.9	7.9	4.5	5.6	4.4	3.6	1.6	0.5
Negeri Sembilan	158.7	3.6	17.0	23.2	25.5	24.6	22.7	15.1	12.2	8.6	6.3
Pahang	368.5	7.6	41.7	64.2	60.1	56.5	49.9	35.7	25.4	15.4	12.1
Pulau Pinang	58.9	1.4	7.2	8.8	7.3	9.6	8.1	6.0	4.7	4.6	1.3
Perak	333.1	6.4	45.4	63.3	53.2	44.4	41.4	31.9	21.8	17.0	8.4
Perlis	55.9	1.6	6.8	10.7	5.8	6.7	7.5	7.6	4.3	3.4	1.5
Selangor	160.2	6.1	24.1	20.3	19.6	22.6	19.8	16.5	14.8	12.6	3.8
Terengganu	165.7	3.5	23.5	29.7	22.8	21.8	20.7	16.6	14.9	7.4	4.7
Sabah	814.1	53.5	146.2	168.9	106.3	92.4	83.4	54.6	42.7	44.8	21.3
Sarawak	507.5	13.6	62.8	71.3	71.2	62.7	56.1	45.6	48.7	43.2	32.5
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	5.1	0.4	0.8	0.6	0.8	0.7	0.6	0.5	0.3	0.3	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.	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	11.8	7.6	13.7	10.8	11.9	12.3	11.2	12.5	12.0	11.2	11.9
Kedah	7.7	5.9	9.1	7.3	8.0	6.8	6.5	7.7	7.1	9.4	9.8
Kelantan	9.7	3.8	10.7	10.5	10.4	9.7	9.3	10.4	10.8	5.1	9.0
Melaka	1.2	0.6	1.3	1.2	1.4	0.9	1.3	1.3	1.3	0.7	0.4
Negeri Sembilan	4.2	3.0	3.0	3.5	4.7	5.1	5.2	4.5	4.4	4.0	4.8
Pahang	9.8	6.4	7.3	9.8	11.0	11.6	11.6	10.6	9.2	7.2	9.0
Pulau Pinang	1.6	1.2	1.3	1.3	1.3	2.0	1.9	1.8	1.7	2.1	1.0
Perak	8.8	5.3	7.9	9.6	9.7	9.1	9.6	9.5	7.9	8.0	6.3
Perlis	1.5	1.3	1.2	1.6	1.1	1.4	1.7	2.3	1.6	1.6	1.1
Selangor	4.2	5.2	4.2	3.1	3.6	4.7	4.6	4.9	5.3	5.9	2.9
Terengganu	4.4	3.0	4.1	4.5	4.2	4.5	4.8	4.9	5.4	3.5	3.5
Sabah	21.6	44.9	25.4	25.7	19.5	19.0	19.3	16.2	15.5	21.0	15.9
Sarawak	13.4	11.4	10.9	10.9	13.0	12.9	13.0	13.5	17.6	20.2	24.3
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	0.1	0.4	0.1	0.1	0.2	0.1	0.1	0.1	0.1	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.	n.a.

Jadual B2.5: Tenaga buruh mengikut negeri dan pencapaian pendidikan, Malaysia, 2024

Table B2.5: *Labour force by state and educational attainment, Malaysia, 2024*

Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	16,903.5	382.9	1,393.9	9,255.1	5,871.6
Johor	2,126.3	16.2	157.9	1,336.8	615.4
Kedah	981.3	16.4	74.7	609.9	280.3
Kelantan	706.0	19.0	43.5	420.3	223.2
Melaka	525.4	2.1	21.3	332.9	169.1
Negeri Sembilan	567.2	9.2	40.3	325.8	191.9
Pahang	757.4	12.9	69.2	483.6	191.7
Pulau Pinang	950.2	6.5	46.0	517.7	380.0
Perak	1,178.4	18.2	156.2	678.6	325.5
Perlis	133.2	2.1	6.9	80.2	44.0
Selangor	4,083.4	16.4	87.6	2,005.0	1,974.4
Terengganu	494.3	10.9	29.0	296.4	158.0
Sabah	1,858.3	211.7	457.6	868.0	321.0
Sarawak	1,249.8	31.6	162.4	752.4	303.4
W.P. Kuala Lumpur	1,184.7	6.2	35.8	507.3	635.4
W.P. Labuan	47.5	3.7	4.3	24.0	15.5
W.P. Putrajaya	60.2	-	1.4	16.0	42.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	12.6	4.2	11.3	14.4	10.5
Kedah	5.8	4.3	5.4	6.6	4.8
Kelantan	4.2	5.0	3.1	4.5	3.8
Melaka	3.1	0.5	1.5	3.6	2.9
Negeri Sembilan	3.4	2.4	2.9	3.5	3.3
Pahang	4.5	3.4	5.0	5.2	3.3
Pulau Pinang	5.6	1.7	3.3	5.6	6.5
Perak	7.0	4.7	11.2	7.3	5.5
Perlis	0.8	0.6	0.5	0.9	0.7
Selangor	24.2	4.3	6.3	21.7	33.6
Terengganu	2.9	2.8	2.1	3.2	2.7
Sabah	11.0	55.3	32.8	9.4	5.5
Sarawak	7.4	8.2	11.6	8.1	5.2
W.P. Kuala Lumpur	7.0	1.6	2.6	5.5	10.8
W.P. Labuan	0.3	1.0	0.3	0.3	0.3
W.P. Putrajaya	0.4	-	0.1	0.2	0.7

Jadual B2.6: Tenaga buruh mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2024

Table B2.6: Labour force by state, educational attainment and sex, Malaysia, 2024

Lelaki/Male					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	10,584.1	253.5	1,036.9	6,213.1	3,080.7
Johor	1,444.8	15.0	137.4	938.0	354.4
Kedah	620.8	11.7	57.4	416.5	135.2
Kelantan	441.1	15.8	32.1	281.7	111.5
Melaka	325.5	1.3	15.0	227.0	82.1
Negeri Sembilan	360.0	6.7	31.8	223.7	97.8
Pahang	507.3	7.6	55.1	344.5	100.1
Pulau Pinang	580.9	5.1	37.6	326.3	211.9
Perak	760.4	15.8	136.3	444.1	164.2
Perlis	82.0	1.8	3.7	54.8	21.7
Selangor	2,401.3	11.3	60.4	1,322.2	1,007.4
Terengganu	328.3	9.8	22.4	213.5	82.7
Sabah	1,162.8	126.9	304.5	563.4	167.9
Sarawak	795.9	16.9	111.9	502.5	164.6
W.P. Kuala Lumpur	713.7	5.3	27.0	329.6	351.8
W.P. Labuan	30.2	2.5	3.0	16.0	8.7
W.P. Putrajaya	29.2	-	1.1	9.1	19.0
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	13.7	5.9	13.3	15.1	11.5
Kedah	5.9	4.6	5.5	6.7	4.4
Kelantan	4.2	6.2	3.1	4.5	3.6
Melaka	3.1	0.5	1.4	3.7	2.7
Negeri Sembilan	3.4	2.6	3.1	3.6	3.2
Pahang	4.8	3.0	5.3	5.5	3.2
Pulau Pinang	5.5	2.0	3.6	5.3	6.9
Perak	7.2	6.2	13.1	7.1	5.3
Perlis	0.8	0.7	0.4	0.9	0.7
Selangor	22.7	4.4	5.8	21.3	32.7
Terengganu	3.1	3.8	2.2	3.4	2.7
Sabah	11.0	50.1	29.4	9.1	5.5
Sarawak	7.5	6.7	10.8	8.1	5.3
W.P. Kuala Lumpur	6.7	2.1	2.6	5.3	11.4
W.P. Labuan	0.3	1.0	0.3	0.3	0.3
W.P. Putrajaya	0.3	-	0.1	0.1	0.6

Jadual B2.6: Tenaga buruh mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2024 (samb.)
Table B2.6: Labour force by state, educational attainment and sex, Malaysia, 2024 (cont'd)

Perempuan/Female					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiri Tertiary
Jumlah ('000) Total	6,319.3	129.4	357.0	3,042.0	2,790.9
Johor	681.5	1.1	20.4	398.8	261.1
Kedah	360.5	4.7	17.3	193.4	145.1
Kelantan	264.9	3.2	11.3	138.6	111.8
Melaka	199.9	0.8	6.2	105.8	87.0
Negeri Sembilan	207.2	2.5	8.4	102.2	94.1
Pahang	250.1	5.3	14.1	139.1	91.6
Pulau Pinang	369.3	1.4	8.4	191.4	168.1
Perak	417.9	2.3	19.9	234.5	161.2
Perlis	51.3	0.3	3.2	25.4	22.3
Selangor	1,682.1	5.2	27.2	682.7	967.0
Terengganu	165.9	1.1	6.6	82.9	75.3
Sabah	695.4	84.8	153.0	304.6	153.0
Sarawak	453.9	14.7	50.4	249.9	138.8
W.P. Kuala Lumpur	471.0	0.9	8.8	177.7	283.6
W.P. Labuan	17.3	1.2	1.3	8.0	6.8
W.P. Putrajaya	31.0	-	0.3	6.8	23.9
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	10.8	0.9	5.7	13.1	9.4
Kedah	5.7	3.6	4.8	6.4	5.2
Kelantan	4.2	2.4	3.2	4.6	4.0
Melaka	3.2	0.6	1.7	3.5	3.1
Negeri Sembilan	3.3	1.9	2.4	3.4	3.4
Pahang	4.0	4.1	4.0	4.6	3.3
Pulau Pinang	5.8	1.1	2.3	6.3	6.0
Perak	6.6	1.8	5.6	7.7	5.8
Perlis	0.8	0.2	0.9	0.8	0.8
Selangor	26.6	4.0	7.6	22.4	34.6
Terengganu	2.6	0.9	1.8	2.7	2.7
Sabah	11.0	65.5	42.9	10.0	5.5
Sarawak	7.2	11.3	14.1	8.2	5.0
W.P. Kuala Lumpur	7.5	0.7	2.5	5.8	10.2
W.P. Labuan	0.3	0.9	0.4	0.3	0.2
W.P. Putrajaya	0.5	-	0.1	0.2	0.9

Jadual B2.7: Tenaga buruh mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2024
Table B2.7: Labour force by state, educational attainment and strata, Malaysia, 2024

Bandar/Urban					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	13,126.4	232.4	703.3	7,014.9	5,175.8
Johor	1,679.2	13.4	95.9	1,044.7	525.2
Kedah	690.5	11.0	44.3	406.7	228.5
Kelantan	339.0	7.0	17.2	196.5	118.3
Melaka	481.1	1.5	15.9	303.0	160.7
Negeri Sembilan	408.5	3.3	20.3	235.1	149.8
Pahang	388.9	2.0	16.1	243.5	127.4
Pulau Pinang	891.3	6.1	42.2	480.4	362.6
Perak	845.2	12.5	72.9	487.2	272.6
Perlis	77.3	0.5	3.6	45.3	27.9
Selangor	3,923.2	14.5	68.7	1,907.1	1,933.0
Terengganu	328.5	8.0	14.0	188.7	117.9
Sabah	1,044.1	135.6	200.2	483.3	225.1
Sarawak	742.3	8.0	52.4	447.9	234.0
W.P. Kuala Lumpur	1,184.7	6.2	35.8	507.3	635.4
W.P. Labuan	42.4	2.9	2.4	22.3	14.7
W.P. Putrajaya	60.2	-	1.4	16.0	42.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	12.8	5.8	13.6	14.9	10.1
Kedah	5.3	4.7	6.3	5.8	4.4
Kelantan	2.6	3.0	2.4	2.8	2.3
Melaka	3.7	0.7	2.3	4.3	3.1
Negeri Sembilan	3.1	1.4	2.9	3.4	2.9
Pahang	3.0	0.8	2.3	3.5	2.5
Pulau Pinang	6.8	2.6	6.0	6.8	7.0
Perak	6.4	5.4	10.4	6.9	5.3
Perlis	0.6	0.2	0.5	0.6	0.5
Selangor	29.9	6.2	9.8	27.2	37.3
Terengganu	2.5	3.4	2.0	2.7	2.3
Sabah	8.0	58.3	28.5	6.9	4.3
Sarawak	5.7	3.4	7.4	6.4	4.5
W.P. Kuala Lumpur	9.0	2.6	5.1	7.2	12.3
W.P. Labuan	0.3	1.3	0.3	0.3	0.3
W.P. Putrajaya	0.5	-	0.2	0.2	0.8

Jadual B2.7: Tenaga buruh mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2024 (samb.)

Table B2.7: Labour force by state, educational attainment and strata, Malaysia, 2024 (cont'd)

Luar bandar/Rural					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	3,777.1	150.6	690.6	2,240.2	695.7
Johor	447.1	2.7	62.0	292.2	90.2
Kedah	290.8	5.4	30.4	203.2	51.8
Kelantan	367.0	11.9	26.3	223.8	104.9
Melaka	44.2	0.6	5.4	29.9	8.4
Negeri Sembilan	158.7	5.9	20.0	90.8	42.1
Pahang	368.5	10.9	53.2	240.2	64.3
Pulau Pinang	58.9	0.5	3.7	37.3	17.4
Perak	333.1	5.6	83.3	191.3	52.9
Perlis	55.9	1.6	3.3	34.9	16.1
Selangor	160.2	1.9	19.0	97.9	41.4
Terengganu	165.7	2.9	15.0	107.7	40.1
Sabah	814.1	76.2	257.4	384.8	95.9
Sarawak	507.5	23.6	110.0	304.5	69.4
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	5.1	0.8	1.8	1.7	0.8
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	11.8	1.8	9.0	13.0	13.0
Kedah	7.7	3.6	4.4	9.1	7.4
Kelantan	9.7	7.9	3.8	10.0	15.1
Melaka	1.2	0.4	0.8	1.3	1.2
Negeri Sembilan	4.2	3.9	2.9	4.1	6.0
Pahang	9.8	7.2	7.7	10.7	9.2
Pulau Pinang	1.6	0.3	0.5	1.7	2.5
Perak	8.8	3.7	12.1	8.5	7.6
Perlis	1.5	1.1	0.5	1.6	2.3
Selangor	4.2	1.3	2.7	4.4	6.0
Terengganu	4.4	2.0	2.2	4.8	5.8
Sabah	21.6	50.6	37.3	17.2	13.8
Sarawak	13.4	15.7	15.9	13.6	10.0
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.1	0.5	0.3	0.1	0.1
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, 2024

Table B2.8: Labour force by state and highest certificate obtained, Malaysia, 2024

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	16,903.5	1,140.0	1,478.5	7,546.8	587.5	488.4	1,900.0	2,804.3	578.6	379.4
Johor	2,126.3	154.6	190.6	1,111.8	58.9	50.8	227.1	272.7	43.9	16.0
Kedah	981.3	72.8	103.3	492.4	29.1	24.4	103.7	119.6	19.5	16.4
Kelantan	706.0	39.8	69.3	339.6	31.1	19.5	70.1	99.2	18.4	19.0
Melaka	525.4	26.2	46.8	276.6	16.9	13.3	67.4	70.0	6.1	2.1
Negeri Sembilan	567.2	42.0	55.8	259.6	9.4	17.9	73.4	90.2	9.8	9.2
Pahang	757.4	60.7	83.4	387.7	17.9	26.9	73.9	71.0	23.0	12.9
Pulau Pinang	950.2	55.8	93.1	398.8	27.8	24.2	113.5	210.4	20.1	6.5
Perak	1,178.4	92.8	102.7	548.4	33.4	35.2	113.9	138.6	95.1	18.2
Perlis	133.2	7.1	13.6	64.5	5.4	4.6	14.3	19.3	2.3	2.1
Selangor	4,083.4	101.3	229.0	1,794.5	210.4	176.9	588.8	947.8	18.2	16.4
Terengganu	494.3	17.6	42.1	251.3	15.0	22.3	61.9	56.5	16.6	10.9
Sabah	1,858.3	271.5	193.0	625.7	58.0	22.8	95.0	138.8	245.1	208.4
Sarawak	1,249.8	163.4	181.5	534.5	50.9	23.5	95.7	131.5	37.4	31.5
W.P. Kuala Lumpur	1,184.7	29.8	68.8	428.3	19.3	21.6	179.4	410.8	20.5	6.2
W.P. Labuan	47.5	3.2	4.3	18.3	1.7	2.2	5.8	5.7	2.6	3.7
W.P. Putrajaya	60.2	1.5	1.2	14.9	2.2	2.3	16.1	22.0	-	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.6	13.6	12.9	14.7	10.0	10.4	12.0	9.7	7.6	4.2
Kedah	5.8	6.4	7.0	6.5	5.0	5.0	5.5	4.3	3.4	4.3
Kelantan	4.2	3.5	4.7	4.5	5.3	4.0	3.7	3.5	3.2	5.0
Melaka	3.1	2.3	3.2	3.7	2.9	2.7	3.5	2.5	1.1	0.5
Negeri Sembilan	3.4	3.7	3.8	3.4	1.6	3.7	3.9	3.2	1.7	2.4
Pahang	4.5	5.3	5.6	5.1	3.0	5.5	3.9	2.5	4.0	3.4
Pulau Pinang	5.6	4.9	6.3	5.3	4.7	4.9	6.0	7.5	3.5	1.7
Perak	7.0	8.1	6.9	7.3	5.7	7.2	6.0	4.9	16.4	4.8
Perlis	0.8	0.6	0.9	0.9	0.9	0.9	0.8	0.7	0.4	0.6
Selangor	24.2	8.9	15.5	23.8	35.8	36.2	31.0	33.8	3.1	4.3
Terengganu	2.9	1.5	2.8	3.3	2.5	4.6	3.3	2.0	2.9	2.9
Sabah	11.0	23.8	13.1	8.3	9.9	4.7	5.0	4.9	42.4	54.9
Sarawak	7.4	14.3	12.3	7.1	8.7	4.8	5.0	4.7	6.5	8.3
W.P. Kuala Lumpur	7.0	2.6	4.7	5.7	3.3	4.4	9.4	14.6	3.5	1.6
W.P. Labuan	0.3	0.3	0.3	0.2	0.3	0.5	0.3	0.2	0.4	1.0
W.P. Putrajaya	0.4	0.1	0.1	0.2	0.4	0.5	0.8	0.8	-	-

Jadual B2.9: Tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2024

Table B2.9: Labour force by state, highest certificate obtained and sex, Malaysia, 2024

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	10,584.1	869.9	1,121.5	4,877.1	287.8	341.1	981.9	1,426.2	427.2	251.3
Johor	1,444.8	133.4	162.2	743.2	35.1	40.6	133.2	141.8	40.5	14.8
Kedah	620.8	56.7	83.4	321.2	14.5	17.3	51.2	49.8	15.0	11.7
Kelantan	441.1	30.8	53.5	216.3	15.4	14.3	38.1	42.8	13.9	15.8
Melaka	325.5	20.0	39.4	179.1	7.8	9.7	32.2	31.9	4.1	1.3
Negeri Sembilan	360.0	32.6	42.1	173.6	3.7	14.1	40.1	39.2	7.9	6.7
Pahang	507.3	46.7	69.2	265.2	9.3	20.3	36.7	32.5	19.8	7.6
Pulau Pinang	580.9	47.5	67.2	235.0	13.5	18.2	68.9	109.2	16.4	5.1
Perak	760.4	77.4	76.3	343.5	18.1	26.3	60.2	57.7	85.1	15.8
Perlis	81.9	4.6	10.1	42.7	3.2	3.3	7.3	7.7	1.2	1.8
Selangor	2,401.3	72.9	162.7	1,159.2	91.1	109.9	275.9	506.2	12.1	11.3
Terengganu	328.3	14.4	33.7	175.8	6.7	17.8	34.6	22.9	12.8	9.8
Sabah	1,162.9	191.4	134.6	390.2	29.6	15.3	52.1	69.0	155.8	124.9
Sarawak	795.9	117.2	132.5	340.5	27.8	17.1	50.8	67.8	25.2	16.9
W.P. Kuala Lumpur	713.7	20.8	50.1	272.1	10.3	13.4	89.8	236.1	15.8	5.3
W.P. Labuan	30.2	2.3	3.3	11.6	0.8	1.8	3.5	2.6	1.8	2.5
W.P. Putrajaya	29.2	1.1	1.1	8.0	0.9	1.6	7.3	9.2	-	-
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	14.5	15.2	12.2	11.9	13.6	9.9	9.5	5.9
Kedah	5.9	6.5	7.4	6.6	5.0	5.1	5.2	3.5	3.5	4.7
Kelantan	4.2	3.5	4.8	4.4	5.4	4.2	3.9	3.0	3.3	6.3
Melaka	3.1	2.3	3.5	3.7	2.7	2.8	3.3	2.2	1.0	0.5
Negeri Sembilan	3.4	3.8	3.8	3.6	1.3	4.1	4.1	2.7	1.8	2.7
Pahang	4.8	5.4	6.2	5.4	3.2	5.9	3.7	2.3	4.6	3.0
Pulau Pinang	5.5	5.5	6.0	4.8	4.7	5.3	7.0	7.7	3.8	2.0
Perak	7.2	8.9	6.8	7.0	6.3	7.7	6.1	4.0	19.9	6.3
Perlis	0.8	0.5	0.9	0.9	1.1	1.0	0.7	0.5	0.3	0.7
Selangor	22.7	8.4	14.5	23.8	31.7	32.2	28.1	35.5	2.8	4.5
Terengganu	3.1	1.7	3.0	3.6	2.3	5.2	3.5	1.6	3.0	3.9
Sabah	11.0	22.0	12.0	8.0	10.3	4.5	5.3	4.8	36.5	49.7
Sarawak	7.5	13.5	11.8	7.0	9.7	5.0	5.2	4.8	5.9	6.7
W.P. Kuala Lumpur	6.7	2.4	4.5	5.6	3.6	3.9	9.1	16.6	3.7	2.1
W.P. Labuan	0.3	0.3	0.3	0.2	0.3	0.5	0.4	0.2	0.4	1.0
W.P. Putrajaya	0.3	0.1	0.1	0.2	0.3	0.5	0.7	0.6	-	-

Jadual B2.9: Tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2024 (samb.)

Table B2.9: Labour force by state, highest certificate obtained and sex, Malaysia, 2024 (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	6,319.3	270.1	357.0	2,669.7	299.6	147.2	918.1	1,378.1	151.4	128.1
Johor	681.5	21.2	28.4	368.6	23.8	10.2	93.9	130.9	3.4	1.1
Kedah	360.5	16.2	19.8	171.2	14.6	7.1	52.5	69.9	4.5	4.7
Kelantan	264.9	9.0	15.8	123.3	15.6	5.2	31.9	56.4	4.5	3.2
Melaka	199.9	6.1	7.4	97.5	9.1	3.6	35.2	38.1	2.0	0.8
Negeri Sembilan	207.2	9.3	13.7	86.0	5.7	3.8	33.3	51.0	1.9	2.5
Pahang	250.1	13.9	14.2	122.5	8.6	6.6	37.3	38.5	3.2	5.3
Pulau Pinang	369.3	8.3	25.9	163.8	14.4	6.0	44.6	101.2	3.8	1.4
Perak	417.9	15.4	26.4	204.9	15.3	8.9	53.8	80.9	10.0	2.3
Perlis	51.3	2.5	3.5	21.8	2.2	1.3	7.0	11.6	1.1	0.3
Selangor	1,682.1	28.4	66.4	635.3	119.3	67.0	312.9	441.6	6.1	5.2
Terengganu	165.9	3.3	8.4	75.5	8.2	4.5	27.3	33.7	3.9	1.1
Sabah	695.4	80.1	58.4	235.5	28.4	7.5	42.9	69.8	89.4	83.5
Sarawak	453.9	46.2	48.9	194.0	23.1	6.3	44.9	63.7	12.1	14.6
W.P. Kuala Lumpur	471.0	9.0	18.6	156.2	9.1	8.1	89.6	174.8	4.7	0.9
W.P. Labuan	17.3	0.9	1.1	6.7	0.9	0.4	2.3	3.2	0.8	1.2
W.P. Putrajaya	31.0	0.3	0.1	6.9	1.4	0.7	8.8	12.9	-	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	10.8	7.8	7.9	13.8	7.9	6.9	10.2	9.5	2.2	0.9
Kedah	5.7	6.0	5.6	6.4	4.9	4.8	5.7	5.1	3.0	3.7
Kelantan	4.2	3.3	4.4	4.6	5.2	3.5	3.5	4.1	3.0	2.5
Melaka	3.2	2.3	2.1	3.7	3.0	2.4	3.8	2.8	1.3	0.6
Negeri Sembilan	3.3	3.4	3.8	3.2	1.9	2.6	3.6	3.7	1.3	1.9
Pahang	4.0	5.2	4.0	4.6	2.9	4.5	4.1	2.8	2.1	4.1
Pulau Pinang	5.8	3.1	7.3	6.1	4.8	4.1	4.9	7.3	2.5	1.1
Perak	6.6	5.7	7.4	7.7	5.1	6.0	5.9	5.9	6.6	1.8
Perlis	0.8	0.9	1.0	0.8	0.7	0.9	0.8	0.8	0.7	0.2
Selangor	26.6	10.5	18.6	23.8	39.8	45.5	34.1	32.0	4.1	4.0
Terengganu	2.6	1.2	2.3	2.8	2.7	3.1	3.0	2.4	2.6	0.9
Sabah	11.0	29.7	16.4	8.8	9.5	5.1	4.7	5.1	59.0	65.2
Sarawak	7.2	17.1	13.7	7.3	7.7	4.3	4.9	4.6	8.0	11.4
W.P. Kuala Lumpur	7.5	3.3	5.2	5.9	3.0	5.5	9.8	12.7	3.1	0.7
W.P. Labuan	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.5	0.9
W.P. Putrajaya	0.5	0.1	0.0	0.3	0.5	0.5	1.0	0.9	-	-

Jadual B2.10: Tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2024

Table B2.10: Labour force by state, highest certificate obtained and strata, Malaysia, 2024

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	13,126.4	631.8	961.0	5,906.7	480.5	404.2	1,674.5	2,537.5	299.6	230.4
Johor	1,679.2	106.4	131.5	884.8	49.2	38.5	194.7	238.0	22.6	13.4
Kedah	690.5	42.0	57.6	340.0	19.6	17.0	87.0	102.6	13.7	11.0
Kelantan	339.0	16.0	28.3	162.2	12.8	10.3	41.3	53.0	8.1	7.0
Melaka	481.1	20.3	38.5	255.9	15.7	12.2	64.3	66.9	5.7	1.5
Negeri Sembilan	408.5	24.6	38.3	188.7	6.6	12.7	58.0	71.7	4.6	3.3
Pahang	388.9	19.2	29.8	207.3	10.0	17.7	49.2	49.7	4.1	2.0
Pulau Pinang	891.3	51.3	87.4	369.1	26.3	22.0	108.0	202.2	18.9	6.1
Perak	845.2	50.1	64.7	404.8	27.7	27.4	97.0	117.9	43.1	12.5
Perlis	77.3	3.8	7.0	37.1	3.3	2.5	9.5	12.3	1.3	0.5
Selangor	3,923.2	80.5	213.7	1,715.2	205.8	171.5	573.3	932.5	16.3	14.5
Terengganu	328.5	11.2	24.2	162.1	10.0	16.1	48.1	42.5	6.5	8.0
Sabah	1,044.1	112.0	80.3	375.7	34.1	14.9	67.0	104.6	121.9	133.6
Sarawak	742.3	60.8	85.8	343.8	35.9	15.5	76.1	105.3	11.1	8.0
W.P. Kuala Lumpur	1,184.7	29.8	68.8	428.3	19.3	21.6	179.4	410.8	20.5	6.2
W.P. Labuan	42.4	2.4	4.1	17.1	1.6	2.1	5.5	5.4	1.3	2.9
W.P. Putrajaya	60.2	1.5	1.2	14.9	2.2	2.3	16.1	22.0	-	-
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	16.8	13.7	15.0	10.2	9.5	11.6	9.4	7.5	5.8
Kedah	5.3	6.6	6.0	5.8	4.1	4.2	5.2	4.0	4.6	4.8
Kelantan	2.6	2.5	2.9	2.7	2.7	2.5	2.5	2.1	2.7	3.0
Melaka	3.7	3.2	4.0	4.3	3.3	3.0	3.8	2.6	1.9	0.7
Negeri Sembilan	3.1	3.9	4.0	3.2	1.4	3.1	3.5	2.8	1.5	1.4
Pahang	3.0	3.0	3.1	3.5	2.1	4.4	2.9	2.0	1.4	0.9
Pulau Pinang	6.8	8.1	9.1	6.2	5.5	5.4	6.5	8.0	6.3	2.6
Perak	6.4	7.9	6.7	6.9	5.8	6.8	5.8	4.6	14.4	5.4
Perlis	0.6	0.6	0.7	0.6	0.7	0.6	0.6	0.5	0.4	0.2
Selangor	29.9	12.7	22.2	29.0	42.8	42.4	34.2	36.7	5.4	6.3
Terengganu	2.5	1.8	2.5	2.7	2.1	4.0	2.9	1.7	2.2	3.5
Sabah	8.0	17.7	8.4	6.4	7.1	3.7	4.0	4.1	40.7	58.0
Sarawak	5.7	9.6	8.9	5.8	7.5	3.8	4.5	4.1	3.7	3.5
W.P. Kuala Lumpur	9.0	4.7	7.2	7.3	4.0	5.3	10.7	16.2	6.8	2.7
W.P. Labuan	0.3	0.4	0.4	0.3	0.3	0.5	0.3	0.2	0.4	1.3
W.P. Putrajaya	0.5	0.2	0.1	0.3	0.5	0.6	1.0	0.9	-	-

Jadual B2.10: Tenaga buruh mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2024 (samb.)

Table B2.10: Labour force by state, highest certificate obtained and strata, Malaysia, 2024 (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	3,777.1	508.2	517.5	1,640.1	107.0	84.1	225.5	266.8	279.0	148.9
Johor	447.1	48.2	59.1	227.0	9.7	12.3	32.4	34.6	21.2	2.6
Kedah	290.8	30.9	45.6	152.4	9.4	7.3	16.8	17.1	5.8	5.4
Kelantan	367.0	23.8	41.0	177.4	18.2	9.3	28.8	46.2	10.3	11.9
Melaka	44.2	5.8	8.3	20.7	1.2	1.1	3.1	3.1	0.4	0.6
Negeri Sembilan	158.7	17.4	17.5	70.9	2.8	5.2	15.4	18.4	5.2	5.9
Pahang	368.5	41.5	53.6	180.4	7.9	9.2	24.7	21.3	19.0	10.9
Pulau Pinang	59.0	4.5	5.7	29.7	1.5	2.2	5.5	8.2	1.2	0.5
Perak	333.1	42.6	38.0	143.5	5.7	7.8	16.9	20.8	52.0	5.6
Perlis	55.9	3.3	6.6	27.4	2.0	2.1	4.8	7.0	0.9	1.6
Selangor	160.2	20.8	15.3	79.3	4.6	5.5	15.5	15.4	1.9	1.9
Terengganu	165.7	6.5	17.9	89.2	4.9	6.3	13.8	14.0	10.2	2.9
Sabah	814.1	159.6	112.8	250.0	23.9	7.8	28.0	34.1	123.2	74.8
Sarawak	507.5	102.6	95.7	190.7	15.0	7.9	19.6	26.2	26.2	23.5
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	5.1	0.7	0.3	1.2	0.1	0.1	0.3	0.3	1.3	0.8
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	11.8	9.5	11.4	13.8	9.1	14.6	14.4	13.0	7.6	1.7
Kedah	7.7	6.1	8.8	9.3	8.8	8.7	7.4	6.4	2.1	3.6
Kelantan	9.7	4.7	7.9	10.8	17.0	11.0	12.8	17.3	3.7	8.0
Melaka	1.2	1.1	1.6	1.3	1.1	1.3	1.4	1.2	0.1	0.4
Negeri Sembilan	4.2	3.4	3.4	4.3	2.6	6.2	6.8	6.9	1.9	4.0
Pahang	9.8	8.2	10.4	11.0	7.4	10.9	11.0	8.0	6.8	7.3
Pulau Pinang	1.6	0.9	1.1	1.8	1.4	2.6	2.4	3.1	0.4	0.3
Perak	8.8	8.4	7.4	8.8	5.3	9.3	7.5	7.8	18.7	3.8
Perlis	1.6	0.7	1.3	1.7	1.9	2.5	2.1	2.6	0.3	1.1
Selangor	4.2	4.1	3.0	4.8	4.3	6.5	6.9	5.8	0.7	1.3
Terengganu	4.4	1.3	3.5	5.4	4.6	7.4	6.1	5.2	3.7	2.0
Sabah	21.6	31.4	21.8	15.2	22.4	9.3	12.4	12.8	44.2	50.2
Sarawak	13.4	20.2	18.5	11.6	14.0	9.4	8.7	9.8	9.4	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.
W.P. Labuan	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.5	0.5
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, 2024
Table B3.1: Employment to population ratio by state, strata and sex, Malaysia, 2024

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	68.4	80.5	54.7	70.0	81.3	57.3	63.5	78.0	45.8
Johor	69.9	86.5	49.6	70.3	86.6	51.1	68.7	86.4	43.5
Kedah	64.3	79.5	48.1	66.3	82.3	50.0	60.0	73.9	43.7
Kelantan	55.7	69.5	41.8	59.9	77.6	43.1	52.1	63.0	40.6
Melaka	69.5	79.5	57.8	69.9	79.4	58.7	65.8	80.2	47.2
Negeri Sembilan	64.5	77.6	50.1	65.4	77.7	52.3	62.8	77.6	43.9
Pahang	64.1	78.8	46.3	64.9	81.5	47.3	63.2	76.4	45.1
Pulau Pinang	70.6	83.9	56.4	71.7	85.4	57.4	55.6	66.7	43.2
Perak	64.2	77.9	48.4	64.6	77.0	51.5	63.0	79.9	39.4
Perlis	59.5	74.7	44.4	60.8	79.4	43.4	57.7	69.1	45.9
Selangor	76.1	82.0	69.2	76.4	82.1	69.6	69.6	78.7	59.4
Terengganu	58.8	75.5	40.8	60.6	77.8	42.9	55.5	71.3	36.6
Sabah	65.5	78.4	51.2	63.1	75.0	50.4	68.8	82.9	52.3
Sarawak	67.3	82.6	50.8	67.6	82.4	52.3	66.9	82.9	48.7
W.P. Kuala Lumpur	73.4	80.0	65.4	73.4	80.0	65.4	n.a.	n.a.	n.a.
W.P. Labuan	63.7	79.1	47.9	64.3	79.5	49.1	59.1	76.6	37.9
W.P. Putrajaya	77.8	77.5	78.2	77.8	77.5	78.2	n.a.	n.a.	n.a.

Jadual B3.2: Nisbah guna tenaga kepada penduduk mengikut negeri dan kumpulan umur, Malaysia, 2024
Table B3.2: Employment to population ratio by state and age group, Malaysia, 2024

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	68.4	16.5	64.4	83.1	85.7	83.6	85.6	78.9	73.5	58.5	34.7
Johor	69.9	18.0	70.9	84.2	91.2	88.1	84.7	80.6	68.6	57.9	31.9
Kedah	64.3	13.4	74.5	80.1	83.4	78.1	75.0	74.3	64.8	48.1	31.2
Kelantan	55.7	5.0	55.3	80.1	78.8	76.4	73.3	73.0	67.5	29.5	25.5
Melaka	69.5	9.2	62.6	94.1	91.2	83.4	88.7	76.3	69.5	43.9	19.1
Negeri Sembilan	64.6	10.4	56.9	84.8	84.0	83.5	82.4	75.7	70.2	51.5	26.3
Pahang	64.1	8.3	65.7	93.3	81.0	77.7	76.5	73.7	67.3	51.6	39.3
Pulau Pinang	70.6	13.2	67.1	86.4	89.8	89.0	83.2	85.5	76.2	54.9	24.3
Perak	64.2	13.7	55.9	75.7	88.5	81.6	84.4	80.0	68.6	56.9	30.0
Perlis	59.5	10.9	46.3	72.9	72.2	77.9	83.7	65.0	75.0	61.7	39.9
Selangor	76.1	26.4	67.6	86.4	87.9	84.0	96.7	85.2	83.5	72.4	43.9
Terengganu	58.8	8.0	62.1	71.9	85.5	72.0	74.6	72.6	65.9	43.2	21.7
Sabah	65.5	24.1	68.5	85.1	76.3	78.8	76.9	62.3	59.5	68.5	41.1
Sarawak	67.3	13.8	60.7	77.5	83.0	83.2	79.3	79.6	75.7	66.3	53.5
W.P. Kuala Lumpur	73.4	12.5	49.8	78.1	90.8	95.1	92.2	84.4	87.5	46.3	22.1
W.P. Labuan	63.7	14.2	61.6	73.8	79.5	77.5	76.4	74.5	69.4	60.3	26.6
W.P. Putrajaya	77.8	3.2	47.0	93.3	82.5	96.4	99.7	99.6	98.6	88.5	8.7

Jadual B3.3: Nisbah guna tenaga kepada penduduk mengikut negeri, kumpulan umur dan jantina, Malaysia, 2024
Table B3.3: Employment to population ratio by state, age group and sex, Malaysia, 2024

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	80.5	21.0	73.3	88.8	96.8	97.8	97.1	96.2	93.2	82.6	47.5
Johor	86.5	28.9	91.6	98.0	99.0	98.1	98.9	97.7	96.3	90.5	50.0
Kedah	79.5	18.7	91.0	80.9	97.8	96.8	96.7	94.6	89.4	75.6	52.3
Kelantan	69.5	6.2	65.2	93.4	94.7	96.4	92.3	92.2	89.0	44.2	44.0
Melaka	79.5	13.9	71.2	94.0	97.3	96.8	96.0	94.4	88.6	60.6	30.4
Negeri Sembilan	77.6	13.8	65.8	91.9	96.0	98.0	98.5	94.1	91.9	74.2	40.5
Pahang	78.8	11.9	62.5	94.3	98.0	98.6	97.7	97.5	95.9	82.2	64.5
Pulau Pinang	83.9	17.7	89.3	92.1	95.4	98.5	98.1	97.5	95.1	89.8	40.6
Perak	77.9	20.8	65.2	79.6	97.9	97.9	96.6	93.8	93.8	87.3	53.0
Perlis	74.7	15.4	56.1	92.1	89.5	92.3	97.6	82.7	93.2	93.7	66.1
Selangor	82.0	26.7	64.3	82.9	97.7	98.5	99.0	97.9	91.3	94.1	42.9
Terengganu	75.5	10.1	81.0	92.3	89.3	95.7	94.9	95.6	91.1	63.2	36.3
Sabah	78.4	28.4	69.8	88.1	95.8	96.5	96.3	95.1	94.6	84.5	53.8
Sarawak	82.6	20.3	80.1	94.2	97.1	97.0	96.3	95.3	94.0	88.0	63.6
W.P. Kuala Lumpur	80.0	17.2	58.7	86.5	95.8	98.7	93.4	97.1	95.7	50.5	25.7
W.P. Labuan	79.1	17.5	70.7	91.7	96.0	96.7	95.3	95.8	92.2	80.0	39.0
W.P. Putrajaya	77.5	4.1	61.0	97.4	79.4	95.2	100.0	99.3	97.2	77.2	16.8

Jadual B3.3: Nisbah guna tenaga kepada penduduk mengikut negeri, kumpulan umur dan jantina, Malaysia, 2024 (samb.)
Table B3.3: Employment to population ratio by state, age group and sex, Malaysia, 2024 (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	54.7	11.6	53.7	75.9	72.1	67.4	72.5	60.1	53.0	34.5	21.9
Johor	49.6	5.6	42.9	64.2	81.1	75.6	68.2	60.5	38.9	23.8	12.6
Kedah	48.1	7.6	54.8	79.1	67.2	58.7	53.6	54.0	42.3	23.3	12.0
Kelantan	41.8	3.8	45.5	66.7	61.2	55.1	53.1	54.4	48.3	16.6	8.9
Melaka	57.8	4.0	52.2	94.3	81.6	67.4	79.1	59.8	51.9	28.5	8.3
Negeri Sembilan	50.1	6.6	46.8	76.6	68.9	66.3	64.0	57.2	48.4	31.5	12.3
Pahang	46.3	4.3	69.5	91.9	57.0	51.1	49.5	50.5	36.2	20.5	14.2
Pulau Pinang	56.4	8.3	43.3	79.7	83.9	79.5	67.4	72.9	56.7	20.9	8.3
Perak	48.4	5.8	44.5	70.5	75.6	61.4	69.9	65.7	44.5	29.8	8.8
Perlis	44.4	6.0	36.6	53.1	52.9	63.1	68.7	49.2	61.4	35.0	16.9
Selangor	69.2	26.0	72.2	91.6	75.7	68.1	94.2	70.3	74.8	48.7	44.9
Terengganu	40.8	5.8	41.2	49.0	80.9	45.1	51.4	48.9	41.8	24.5	8.1
Sabah	51.2	19.3	67.1	81.7	54.4	59.9	55.6	26.6	21.5	51.5	27.3
Sarawak	50.8	6.6	39.2	58.6	66.9	67.6	60.9	63.6	57.4	44.6	43.4
W.P. Kuala Lumpur	65.4	7.4	38.7	66.3	84.4	90.4	90.7	68.8	77.9	41.9	18.5
W.P. Labuan	47.9	10.6	54.2	56.5	63.5	57.3	52.6	52.0	48.7	40.7	10.8
W.P. Putrajaya	78.2	2.3	29.7	88.8	85.4	97.4	99.5	100.0	100.0	100.0	-

Jadual B3.4: Nisbah guna tenaga kepada penduduk mengikut negeri, kumpulan umur dan strata, Malaysia, 2024
Table B3.4: Employment to population ratio by state, age group and strata, Malaysia, 2024

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	70.0	17.7	64.7	84.0	87.9	85.6	88.3	80.2	74.9	58.8	33.0
Johor	70.3	19.0	67.9	84.2	91.9	90.5	85.8	82.0	68.1	60.1	31.1
Kedah	66.3	13.8	75.8	90.6	84.0	79.5	76.3	75.5	67.7	45.4	25.8
Kelantan	59.9	8.2	66.1	88.3	78.4	76.7	76.0	72.9	69.2	35.8	21.4
Melaka	69.9	9.2	62.5	94.6	92.0	83.6	89.3	77.7	68.7	43.8	19.4
Negeri Sembilan	65.4	10.4	56.3	84.8	85.5	84.9	83.2	75.9	70.6	50.8	23.5
Pahang	64.9	9.1	79.1	95.7	79.7	74.9	76.3	73.5	69.6	50.9	38.0
Pulau Pinang	71.7	13.5	67.7	89.1	92.2	90.1	84.1	86.1	76.9	55.2	24.7
Perak	64.6	15.2	57.0	71.7	91.1	83.0	86.5	83.2	70.5	57.5	30.7
Perlis	60.8	12.3	54.4	69.6	73.8	80.3	84.2	58.1	80.3	61.0	47.8
Selangor	76.4	26.7	67.2	86.3	88.0	84.0	97.5	85.0	83.4	73.3	45.0
Terengganu	60.6	8.8	69.2	67.6	92.0	72.1	74.2	73.0	67.4	44.5	17.8
Sabah	63.1	22.8	62.3	83.7	79.7	85.6	81.2	55.1	52.7	51.9	29.8
Sarawak	67.6	14.6	58.4	76.5	87.8	86.7	80.4	81.7	74.6	61.5	48.3
W.P. Kuala Lumpur	73.4	12.5	49.8	78.1	90.8	95.1	92.2	84.4	87.5	46.3	22.1
W.P. Labuan	64.3	11.8	62.6	74.8	79.6	77.9	78.6	75.5	68.2	58.2	26.1
W.P. Putrajaya	77.8	3.2	47.0	93.3	82.5	96.4	99.7	99.6	98.6	88.5	8.7

Jadual B3.4: Nisbah guna tenaga kepada penduduk mengikut negeri, kumpulan umur dan strata, Malaysia, 2024 (samb.)
Table B3.4: Employment to population ratio by state, age group and strata, Malaysia, 2024 (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	63.5	13.2	63.6	80.5	78.5	76.3	75.7	74.2	68.7	57.5	40.0
Johor	68.7	13.8	81.3	84.5	88.4	79.7	79.8	75.9	70.3	50.6	34.5
Kedah	60.0	12.5	71.8	59.8	81.8	74.8	72.1	71.8	58.2	52.9	42.8
Kelantan	52.1	2.6	46.7	73.2	79.2	76.2	71.1	73.2	66.1	24.3	29.3
Melaka	65.8	9.1	63.1	89.8	82.0	81.0	82.8	63.0	76.5	44.4	15.7
Negeri Sembilan	62.8	10.6	58.5	84.5	80.3	79.9	80.7	75.1	69.3	53.1	31.5
Pahang	63.2	7.5	51.1	91.2	82.2	80.3	76.6	73.9	64.7	52.4	40.8
Pulau Pinang	55.6	9.4	59.0	56.1	59.0	73.6	72.8	77.1	65.7	51.2	19.7
Perak	63.0	9.5	52.9	83.9	83.1	78.3	78.9	72.1	63.3	55.1	27.9
Perlis	57.7	9.2	36.8	77.1	69.7	74.5	83.0	74.2	69.2	62.6	29.4
Selangor	69.6	20.0	74.7	87.6	83.8	84.1	77.6	88.4	87.2	59.2	24.2
Terengganu	55.5	6.8	48.3	80.6	71.7	71.8	75.4	71.9	63.8	41.2	28.8
Sabah	68.8	26.2	77.4	86.8	71.5	69.9	71.7	72.0	68.4	92.6	60.4
Sarawak	66.9	12.5	64.4	79.1	76.1	77.9	77.8	76.5	77.3	71.7	59.8
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	59.1	25.7	54.4	64.9	78.5	73.8	58.7	67.6	83.5	81.1	31.6
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, 2024
Table B4.1: Employed persons by state, strata and sex, Malaysia, 2024

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	16,369.4	10,257.1	6,112.3	12,747.2	7,814.2	4,933.0	3,622.2	2,442.9	1,179.3
Johor	2,076.5	1,414.2	662.3	1,639.7	1,091.2	548.5	436.8	323.0	113.8
Kedah	956.5	609.6	346.8	675.8	423.1	252.7	280.6	186.5	94.1
Kelantan	680.7	426.7	253.9	332.2	210.2	121.9	348.5	216.5	132.0
Melaka	517.0	319.1	197.9	474.0	289.6	184.4	43.0	29.5	13.5
Negeri Sembilan	549.5	347.3	202.2	394.4	240.0	154.5	155.0	107.3	47.7
Pahang	742.2	498.4	243.7	382.9	247.3	135.6	359.3	251.1	108.1
Pulau Pinang	931.2	569.8	361.4	876.6	535.2	341.4	54.5	34.6	20.0
Perak	1,136.2	736.7	399.4	817.8	501.2	316.6	318.4	235.5	82.9
Perlis	127.7	79.7	48.0	73.6	46.6	27.0	54.1	33.1	21.0
Selangor	3,990.2	2,336.1	1,654.1	3,838.0	2,245.1	1,593.0	152.2	91.0	61.1
Terengganu	479.0	319.5	159.5	321.3	209.2	112.1	157.7	110.3	47.4
Sabah	1,717.4	1,081.7	635.7	952.3	585.9	366.4	765.1	495.8	269.3
Sarawak	1,207.9	769.9	438.0	715.7	444.7	271.0	492.2	325.2	167.0
W.P. Kuala Lumpur	1,153.5	691.3	462.1	1,153.5	691.3	462.1	n.a.	n.a.	n.a.
W.P. Labuan	44.4	27.9	16.5	39.7	24.5	15.2	4.7	3.3	1.4
W.P. Putrajaya	59.6	29.0	30.5	59.6	29.0	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	13.8	10.8	12.9	14.0	11.1	12.1	13.2	9.7
Kedah	5.8	5.9	5.7	5.3	5.4	5.1	7.7	7.6	8.0
Kelantan	4.2	4.2	4.2	2.6	2.7	2.5	9.6	8.9	11.2
Melaka	3.2	3.1	3.2	3.7	3.7	3.7	1.2	1.2	1.1
Negeri Sembilan	3.4	3.4	3.3	3.1	3.1	3.1	4.3	4.4	4.0
Pahang	4.5	4.9	4.0	3.0	3.2	2.7	9.9	10.3	9.2
Pulau Pinang	5.7	5.6	5.9	6.9	6.8	6.9	1.5	1.4	1.7
Perak	6.9	7.2	6.5	6.4	6.4	6.4	8.8	9.6	7.0
Perlis	0.8	0.8	0.8	0.6	0.6	0.5	1.5	1.4	1.8
Selangor	24.4	22.8	27.1	30.1	28.7	32.3	4.2	3.7	5.2
Terengganu	2.9	3.1	2.6	2.5	2.7	2.3	4.4	4.5	4.0
Sabah	10.5	10.5	10.4	7.5	7.5	7.4	21.1	20.3	22.8
Sarawak	7.4	7.5	7.2	5.6	5.7	5.5	13.6	13.3	14.2
W.P. Kuala Lumpur	7.0	6.7	7.6	9.0	8.8	9.4	n.a.	n.a.	n.a.
W.P. Labuan	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1
W.P. Putrajaya	0.4	0.3	0.5	0.5	0.4	0.6	n.a.	n.a.	n.a.

Jadual B4.2: Penduduk bekerja mengikut negeri dan kumpulan umur, Malaysia, 2024

Table B4.2: Employed persons by state and age group, Malaysia, 2024

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	16,369.4	451.1	2,038.2	2,526.7	2,538.7	2,389.1	2,236.2	1,595.0	1,267.8	860.9	465.7
Johor	2,076.5	60.0	292.2	336.0	316.8	289.2	256.8	199.4	153.6	117.1	55.3
Kedah	956.5	23.5	153.8	180.9	152.9	115.6	94.9	84.5	71.1	49.8	29.5
Kelantan	680.7	9.1	115.5	130.7	101.9	88.9	74.5	61.4	56.0	22.9	19.8
Melaka	517.0	6.3	72.3	88.3	110.4	62.9	68.9	53.8	30.1	16.3	7.7
Negeri Sembilan	549.5	9.8	63.9	84.1	93.0	89.0	75.4	52.2	40.4	26.4	15.3
Pahang	742.2	13.2	101.8	121.3	109.0	104.9	104.4	76.4	54.5	32.5	24.2
Pulau Pinang	931.2	15.9	106.1	155.0	148.7	133.1	116.5	97.3	83.8	54.2	20.6
Perak	1,136.2	27.2	139.0	168.1	172.7	157.2	155.5	122.8	86.5	68.7	38.5
Perlis	127.7	2.7	16.6	22.6	15.1	16.9	16.3	15.6	9.8	7.4	4.8
Selangor	3,990.2	131.0	418.7	526.1	568.2	615.2	622.7	404.6	340.4	242.1	121.2
Terengganu	479.0	8.9	74.1	75.1	81.7	64.5	61.9	45.4	36.6	20.7	10.0
Sabah	1,717.4	95.1	273.3	340.9	261.7	236.8	196.7	108.7	85.5	80.0	38.7
Sarawak	1,207.9	28.1	134.9	170.7	187.1	166.2	142.5	120.2	109.8	84.6	63.7
W.P. Kuala Lumpur	1,153.5	18.8	67.7	115.8	206.3	227.4	225.5	140.6	102.7	33.3	15.4
W.P. Labuan	44.4	1.1	5.7	6.3	7.0	7.2	6.7	3.9	3.1	2.5	0.9
W.P. Putrajaya	59.6	0.3	2.6	4.8	6.2	13.9	17.2	8.4	3.7	2.4	0.2
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	13.3	14.3	13.3	12.5	12.1	11.5	12.5	12.1	13.6	11.9
Kedah	5.8	5.2	7.5	7.2	6.0	4.8	4.2	5.3	5.6	5.8	6.3
Kelantan	4.2	2.0	5.7	5.2	4.0	3.7	3.3	3.9	4.4	2.7	4.3
Melaka	3.2	1.4	3.5	3.5	4.3	2.6	3.1	3.4	2.4	1.9	1.7
Negeri Sembilan	3.4	2.2	3.1	3.3	3.7	3.7	3.4	3.3	3.2	3.1	3.3
Pahang	4.5	2.9	5.0	4.8	4.3	4.4	4.7	4.8	4.3	3.8	5.2
Pulau Pinang	5.7	3.5	5.2	6.1	5.9	5.6	5.2	6.1	6.6	6.3	4.4
Perak	6.9	6.0	6.8	6.7	6.8	6.6	7.0	7.7	6.8	8.0	8.3
Perlis	0.8	0.6	0.8	0.9	0.6	0.7	0.7	1.0	0.8	0.9	1.0
Selangor	24.4	29.0	20.5	20.8	22.4	25.8	27.8	25.4	26.8	28.1	26.0
Terengganu	2.9	2.0	3.6	3.0	3.2	2.7	2.8	2.8	2.9	2.4	2.1
Sabah	10.5	21.1	13.4	13.5	10.3	9.9	8.8	6.8	6.7	9.3	8.3
Sarawak	7.4	6.2	6.6	6.8	7.4	7.0	6.4	7.5	8.7	9.8	13.7
W.P. Kuala Lumpur	7.0	4.2	3.3	4.6	8.1	9.5	10.1	8.8	8.1	3.9	3.3
W.P. Labuan	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.2
W.P. Putrajaya	0.4	0.1	0.1	0.2	0.2	0.6	0.8	0.5	0.3	0.3	0.0

Jadual B4.3: Penduduk bekerja mengikut negeri, kumpulan umur dan jantina, Malaysia, 2024

Table B4.3: *Employed persons by state, age group and sex, Malaysia, 2024*

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	10,257.1	301.0	1,269.8	1,514.9	1,578.0	1,488.2	1,346.8	1,012.6	819.1	607.0	319.6
Johor	1,414.2	51.2	217.2	231.8	193.6	179.1	160.9	130.6	111.5	93.6	44.8
Kedah	609.7	17.1	102.1	100.6	94.7	72.9	60.8	53.9	46.8	37.2	23.5
Kelantan	426.7	5.8	68.1	76.9	64.4	57.9	48.3	38.2	34.9	16.0	16.2
Melaka	319.1	5.0	44.9	48.5	71.6	39.8	42.4	31.6	18.4	10.8	6.0
Negeri Sembilan	347.3	6.9	39.0	48.6	59.4	56.6	48.1	32.5	26.5	17.9	11.7
Pahang	498.5	10.0	53.1	72.8	77.2	74.6	74.7	49.8	40.5	26.1	19.8
Pulau Pinang	569.8	11.2	73.0	89.5	81.3	73.4	70.7	56.9	53.2	43.7	17.1
Perak	736.8	21.7	89.3	101.0	110.6	104.5	96.5	73.3	57.7	49.7	32.6
Perlis	79.7	2.0	10.1	14.5	9.9	10.2	9.8	9.4	5.2	5.1	3.7
Selangor	2,336.1	68.9	231.2	301.1	349.0	376.9	334.9	251.0	196.6	164.2	62.2
Terengganu	319.5	5.8	50.8	51.0	46.5	45.6	42.0	30.3	24.7	14.6	8.0
Sabah	1,081.7	59.4	148.6	186.8	173.8	149.6	129.1	86.4	70.7	50.9	26.4
Sarawak	769.9	21.6	93.4	110.2	116.7	102.6	90.1	72.7	68.3	56.2	38.0
W.P. Kuala Lumpur	691.3	13.4	44.3	75.3	122.3	133.6	125.8	89.0	60.3	18.5	8.9
W.P. Labuan	27.9	0.7	2.9	3.8	4.1	4.6	4.7	2.6	2.0	1.6	0.7
W.P. Putrajaya	29.0	0.2	1.8	2.6	2.8	6.3	8.0	4.2	1.8	1.0	0.2
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	13.8	17.0	17.1	15.3	12.3	12.0	11.9	12.9	13.6	15.4	14.0
Kedah	5.9	5.7	8.0	6.6	6.0	4.9	4.5	5.3	5.7	6.1	7.4
Kelantan	4.2	1.9	5.4	5.1	4.1	3.9	3.6	3.8	4.3	2.6	5.1
Melaka	3.1	1.7	3.5	3.2	4.5	2.7	3.1	3.1	2.2	1.8	1.9
Negeri Sembilan	3.4	2.3	3.1	3.2	3.8	3.8	3.6	3.2	3.2	2.9	3.7
Pahang	4.9	3.3	4.2	4.8	4.9	5.0	5.5	4.9	4.9	4.3	6.2
Pulau Pinang	5.6	3.7	3.8	5.9	5.1	4.9	5.2	5.6	6.5	7.2	5.3
Perak	7.2	7.2	7.0	6.7	7.0	7.0	7.2	7.2	7.0	8.2	10.2
Perlis	0.8	0.7	0.8	1.0	0.6	0.7	0.7	0.9	0.6	0.8	1.2
Selangor	22.8	22.9	18.2	19.9	22.1	25.3	24.9	24.8	24.0	27.0	19.5
Terengganu	3.1	1.9	4.0	3.4	2.9	3.1	3.1	3.0	3.0	2.4	2.5
Sabah	10.5	19.7	11.7	12.3	11.0	10.1	9.6	8.5	8.6	8.4	8.2
Sarawak	7.5	7.2	7.4	7.3	7.4	6.9	6.7	7.2	8.3	9.3	11.9
W.P. Kuala Lumpur	6.7	4.5	3.5	5.0	7.8	9.0	9.3	8.8	7.4	3.0	2.8
W.P. Labuan	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2
W.P. Putrajaya	0.3	0.1	0.1	0.2	0.2	0.4	0.6	0.4	0.2	0.2	0.1

Jadual B4.3: Penduduk bekerja mengikut negeri, kumpulan umur dan jantina, Malaysia, 2024 (samb.)

Table B4.3: Employed persons by state, age group and sex, Malaysia, 2024 (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	6,112.3	150.1	768.4	1,011.8	960.7	900.9	889.4	582.5	448.6	253.8	146.0
Johor	662.3	8.8	75.0	104.3	123.2	110.1	95.9	68.8	42.1	23.5	10.5
Kedah	346.8	6.4	51.7	80.3	58.2	42.7	34.1	30.6	24.3	12.6	5.9
Kelantan	253.9	3.3	47.4	53.8	37.5	31.0	26.1	23.2	21.2	6.9	3.6
Melaka	197.9	1.3	27.5	39.8	38.7	23.1	26.5	22.2	11.7	5.5	1.7
Negeri Sembilan	202.2	2.9	24.8	35.5	33.6	32.4	27.3	19.7	13.9	8.6	3.6
Pahang	243.7	3.2	48.8	48.6	31.8	30.3	29.7	26.6	14.1	6.4	4.4
Pulau Pinang	361.4	4.7	33.1	65.5	67.5	59.7	45.8	40.5	30.6	10.5	3.6
Perak	399.4	5.5	49.8	67.1	62.1	52.8	59.0	49.5	28.8	19.1	5.9
Perlis	48.0	0.7	6.5	8.1	5.3	6.8	6.5	6.2	4.6	2.3	1.1
Selangor	1,654.1	62.1	187.5	225.0	219.1	238.3	287.8	153.6	143.7	78.0	59.1
Terengganu	159.5	3.1	23.3	24.1	35.2	18.9	19.9	15.0	11.9	6.1	2.0
Sabah	635.7	35.7	124.7	154.1	88.0	87.2	67.5	22.2	14.9	29.1	12.4
Sarawak	438.0	6.5	41.4	60.5	70.5	63.6	52.4	47.4	41.5	28.4	25.7
W.P. Kuala Lumpur	462.1	5.4	23.4	40.5	84.0	93.8	99.7	51.6	42.4	14.8	6.5
W.P. Labuan	16.5	0.4	2.7	2.5	2.8	2.6	2.0	1.3	1.1	0.8	0.2
W.P. Putrajaya	30.5	0.1	0.7	2.2	3.4	7.6	9.2	4.1	1.9	1.3	-
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	10.8	5.9	9.8	10.3	12.8	12.2	10.8	11.8	9.4	9.3	7.2
Kedah	5.7	4.3	6.7	7.9	6.1	4.7	3.8	5.2	5.4	5.0	4.0
Kelantan	4.2	2.2	6.2	5.3	3.9	3.4	2.9	4.0	4.7	2.7	2.5
Melaka	3.2	0.9	3.6	3.9	4.0	2.6	3.0	3.8	2.6	2.2	1.2
Negeri Sembilan	3.3	1.9	3.2	3.5	3.5	3.6	3.1	3.4	3.1	3.4	2.5
Pahang	4.0	2.1	6.3	4.8	3.3	3.4	3.3	4.6	3.1	2.5	3.0
Pulau Pinang	5.9	3.1	4.3	6.5	7.0	6.6	5.2	6.9	6.8	4.1	2.4
Perak	6.5	3.7	6.5	6.6	6.5	5.9	6.6	8.5	6.4	7.5	4.0
Perlis	0.8	0.5	0.9	0.8	0.5	0.8	0.7	1.1	1.0	0.9	0.7
Selangor	27.1	41.4	24.4	22.2	22.8	26.5	32.4	26.4	32.0	30.7	40.4
Terengganu	2.6	2.1	3.0	2.4	3.7	2.1	2.2	2.6	2.6	2.4	1.3
Sabah	10.4	23.8	16.2	15.2	9.2	9.7	7.6	3.8	3.3	11.5	8.5
Sarawak	7.2	4.3	5.4	6.0	7.3	7.1	5.9	8.1	9.3	11.2	17.6
W.P. Kuala Lumpur	7.6	3.6	3.1	4.0	8.7	10.4	11.2	8.9	9.5	5.8	4.5
W.P. Labuan	0.3	0.3	0.4	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.1
W.P. Putrajaya	0.5	0.1	0.1	0.2	0.4	0.8	1.0	0.7	0.4	0.5	-

Jadual B4.4: Penduduk bekerja mengikut negeri, kumpulan umur dan strata, Malaysia, 2024

Table B4.4: Employed persons by state, age group and strata, Malaysia, 2024

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	12,747.2	357.4	1,526.6	1,897.1	2,005.5	1,912.5	1,808.3	1,262.6	993.9	649.3	334.0
Johor	1,639.7	51.3	216.8	266.8	252.2	230.8	209.0	158.0	121.1	93.6	39.9
Kedah	675.8	16.7	105.1	134.8	110.7	83.6	67.2	59.8	51.6	29.8	16.5
Kelantan	332.2	6.4	61.6	66.0	46.6	42.7	35.2	27.1	26.2	12.5	7.9
Melaka	474.0	5.8	65.5	80.4	102.6	58.4	63.3	49.5	26.5	14.8	7.2
Negeri Sembilan	394.4	6.6	48.6	61.6	68.0	64.5	52.9	37.3	28.2	17.9	8.9
Pahang	382.9	7.8	64.0	58.9	49.4	48.5	54.6	41.0	29.4	17.2	12.1
Pulau Pinang	876.6	15.0	99.7	146.7	141.7	125.6	108.4	91.4	79.1	49.6	19.4
Perak	817.8	22.1	102.0	107.7	119.7	113.8	114.7	91.0	64.8	51.7	30.2
Perlis	73.6	1.8	10.6	12.0	9.5	10.3	8.9	8.0	5.5	4.1	3.2
Selangor	3,838.0	126.3	397.4	507.4	549.4	593.2	603.1	388.1	325.8	229.8	117.6
Terengganu	321.3	6.1	54.7	46.9	59.7	43.1	41.4	29.1	21.7	13.3	5.3
Sabah	952.3	53.9	145.7	180.1	160.6	145.9	114.4	55.0	43.3	35.8	17.7
Sarawak	715.7	17.8	79.6	101.4	116.9	104.2	86.5	74.9	61.5	41.5	31.5
W.P. Kuala Lumpur	1,153.5	18.8	67.7	115.8	206.3	227.4	225.5	140.6	102.7	33.3	15.4
W.P. Labuan	39.7	0.8	5.1	5.7	6.2	6.6	6.1	3.5	2.8	2.1	0.8
W.P. Putrajaya	59.6	0.3	2.6	4.8	6.2	13.9	17.2	8.4	3.7	2.4	0.2
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	12.9	14.4	14.2	14.1	12.6	12.1	11.6	12.5	12.2	14.4	12.0
Kedah	5.3	4.7	6.9	7.1	5.5	4.4	3.7	4.7	5.2	4.6	5.0
Kelantan	2.6	1.8	4.0	3.5	2.3	2.2	1.9	2.1	2.6	1.9	2.4
Melaka	3.7	1.6	4.3	4.2	5.1	3.1	3.5	3.9	2.7	2.3	2.1
Negeri Sembilan	3.1	1.8	3.2	3.2	3.4	3.4	2.9	3.0	2.8	2.8	2.7
Pahang	3.0	2.2	4.2	3.1	2.5	2.5	3.0	3.2	3.0	2.7	3.6
Pulau Pinang	6.9	4.2	6.5	7.7	7.1	6.6	6.0	7.2	8.0	7.6	5.8
Perak	6.4	6.2	6.7	5.7	6.0	6.0	6.3	7.2	6.5	8.0	9.1
Perlis	0.6	0.5	0.7	0.6	0.5	0.5	0.5	0.6	0.6	0.6	1.0
Selangor	30.1	35.3	26.0	26.7	27.4	31.0	33.4	30.7	32.8	35.4	35.2
Terengganu	2.5	1.7	3.6	2.5	3.0	2.3	2.3	2.3	2.2	2.0	1.6
Sabah	7.5	15.1	9.5	9.5	8.0	7.6	6.3	4.4	4.4	5.5	5.3
Sarawak	5.6	5.0	5.2	5.3	5.8	5.4	4.8	5.9	6.2	6.4	9.4
W.P. Kuala Lumpur	9.0	5.2	4.4	6.1	10.3	11.9	12.5	11.1	10.3	5.1	4.6
W.P. Labuan	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
W.P. Putrajaya	0.5	0.1	0.2	0.3	0.3	0.7	0.9	0.7	0.4	0.4	0.1

Jadual B4.4: Penduduk bekerja mengikut negeri, kumpulan umur dan strata, Malaysia, 2024 (samb.)

Table B4.4: Employed persons by state, age group and strata, Malaysia, 2024 (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	3,622.2	93.7	511.5	629.7	533.1	476.6	428.0	332.4	273.8	211.6	131.7
Johor	436.8	8.7	75.4	69.2	64.6	58.4	47.8	41.4	32.5	23.5	15.4
Kedah	280.6	6.8	48.7	46.1	42.3	32.0	27.7	24.7	19.5	20.0	12.9
Kelantan	348.5	2.7	53.9	64.7	55.3	46.2	39.3	34.3	29.8	10.4	11.9
Melaka	43.0	0.5	6.8	7.9	7.7	4.5	5.6	4.3	3.6	1.6	0.5
Negeri Sembilan	155.0	3.3	15.3	22.5	25.0	24.5	22.5	14.9	12.2	8.6	6.3
Pahang	359.3	5.4	37.9	62.4	59.5	56.4	49.8	35.4	25.1	15.2	12.1
Pulau Pinang	54.5	0.9	6.4	8.3	7.0	7.5	8.0	6.0	4.7	4.5	1.2
Perak	318.4	5.1	37.0	60.4	52.9	43.4	40.8	31.8	21.8	17.0	8.3
Perlis	54.1	1.0	6.0	10.6	5.7	6.7	7.4	7.6	4.3	3.3	1.5
Selangor	152.2	4.8	21.3	18.7	18.8	22.0	19.6	16.5	14.6	12.3	3.6
Terengganu	157.7	2.8	19.5	28.2	22.1	21.4	20.6	16.3	14.9	7.4	4.6
Sabah	765.1	41.2	127.6	160.8	101.2	90.9	82.3	53.6	42.2	44.2	21.0
Sarawak	492.2	10.3	55.3	69.3	70.3	62.0	56.0	45.2	48.3	43.2	32.3
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	4.7	0.4	0.6	0.6	0.8	0.6	0.6	0.5	0.3	0.3	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.	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	12.1	9.3	14.7	11.0	12.1	12.2	11.2	12.4	11.9	11.1	11.7
Kedah	7.7	7.2	9.5	7.3	7.9	6.7	6.5	7.4	7.1	9.5	9.8
Kelantan	9.6	2.9	10.5	10.3	10.4	9.7	9.2	10.3	10.9	4.9	9.0
Melaka	1.2	0.6	1.3	1.3	1.5	0.9	1.3	1.3	1.3	0.7	0.4
Negeri Sembilan	4.3	3.5	3.0	3.6	4.7	5.1	5.3	4.5	4.5	4.0	4.8
Pahang	9.9	5.8	7.4	9.9	11.2	11.8	11.6	10.7	9.2	7.2	9.2
Pulau Pinang	1.5	1.0	1.2	1.3	1.3	1.6	1.9	1.8	1.7	2.1	0.9
Perak	8.8	5.4	7.2	9.6	9.9	9.1	9.5	9.6	7.9	8.1	6.3
Perlis	1.5	1.0	1.2	1.7	1.1	1.4	1.7	2.3	1.6	1.6	1.1
Selangor	4.2	5.1	4.2	3.0	3.5	4.6	4.6	5.0	5.3	5.8	2.7
Terengganu	4.4	2.9	3.8	4.5	4.1	4.5	4.8	4.9	5.4	3.5	3.5
Sabah	21.1	44.0	25.0	25.5	19.0	19.1	19.2	16.1	15.4	20.9	15.9
Sarawak	13.6	11.0	10.8	11.0	13.2	13.0	13.1	13.6	17.6	20.4	24.5
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	0.1	0.4	0.1	0.1	0.2	0.1	0.1	0.1	0.1	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.	n.a.

Jadual B4.5: Penduduk bekerja mengikut negeri dan pekerjaan, Malaysia, 2024
Table B4.5: Employed persons by state and occupation, Malaysia, 2024

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	16,369.4	808.9	2,175.3	1,959.6	1,605.9	3,790.7	678.4	1,446.7	1,734.8	2,169.1
Johor	2,076.5	85.0	241.7	284.5	208.8	464.5	38.4	204.0	256.4	293.3
Kedah	956.5	25.1	99.8	104.1	76.7	228.8	55.4	105.3	147.5	113.9
Kelantan	680.7	16.5	64.3	53.9	52.9	217.3	20.6	82.1	53.5	119.5
Melaka	517.0	25.5	61.1	65.8	56.3	125.8	3.7	39.0	80.5	59.2
Negeri Sembilan	549.5	37.3	76.4	70.1	42.2	121.7	14.5	40.9	77.4	69.1
Pahang	742.2	19.7	62.2	63.0	65.7	184.5	57.9	71.1	86.0	132.0
Pulau Pinang	931.2	45.4	177.5	133.8	94.7	181.4	6.3	68.0	165.8	58.1
Perak	1,136.2	47.8	132.2	109.9	102.3	262.0	51.6	112.8	142.2	175.3
Perlis	127.7	6.7	14.9	11.0	10.6	37.2	8.5	15.1	10.6	13.2
Selangor	3,990.2	284.3	623.0	629.2	493.4	877.4	65.4	292.9	332.2	392.3
Terengganu	479.0	11.8	45.7	46.3	40.3	137.6	15.9	79.3	41.6	60.4
Sabah	1,717.4	52.3	110.0	109.6	120.1	409.4	202.2	146.1	184.0	383.7
Sarawak	1,207.9	36.3	115.0	107.4	107.9	276.2	135.7	122.0	99.2	208.1
W.P. Kuala Lumpur	1,153.5	111.1	329.8	153.9	112.1	249.8	1.2	60.2	52.6	82.8
W.P. Labuan	44.4	1.8	4.6	6.4	6.9	8.3	1.1	6.2	2.8	6.3
W.P. Putrajaya	59.6	2.0	17.0	10.8	14.9	8.7	0.0	1.6	2.4	2.1
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	10.5	11.1	14.5	13.0	12.3	5.7	14.1	14.8	13.5
Kedah	5.8	3.1	4.6	5.3	4.8	6.0	8.2	7.3	8.5	5.3
Kelantan	4.2	2.0	3.0	2.8	3.3	5.7	3.0	5.7	3.1	5.5
Melaka	3.2	3.2	2.8	3.4	3.5	3.3	0.6	2.7	4.6	2.7
Negeri Sembilan	3.4	4.6	3.5	3.6	2.6	3.2	2.1	2.8	4.5	3.2
Pahang	4.5	2.4	2.9	3.2	4.1	4.9	8.5	4.9	5.0	6.1
Pulau Pinang	5.7	5.6	8.2	6.8	5.9	4.8	0.9	4.7	9.6	2.7
Perak	6.9	5.9	6.1	5.6	6.4	6.9	7.6	7.8	8.2	8.1
Perlis	0.8	0.8	0.7	0.6	0.7	1.0	1.2	1.0	0.6	0.6
Selangor	24.4	35.1	28.6	32.1	30.7	23.1	9.6	20.2	19.2	18.1
Terengganu	2.9	1.5	2.1	2.4	2.5	3.6	2.3	5.5	2.4	2.8
Sabah	10.5	6.5	5.1	5.6	7.5	10.8	29.8	10.1	10.6	17.7
Sarawak	7.4	4.5	5.3	5.5	6.7	7.3	20.0	8.4	5.7	9.6
W.P. Kuala Lumpur	7.0	13.7	15.2	7.9	7.0	6.6	0.2	4.2	3.0	3.8
W.P. Labuan	0.3	0.2	0.2	0.3	0.4	0.2	0.2	0.4	0.2	0.3
W.P. Putrajaya	0.4	0.3	0.8	0.6	0.9	0.2	0.0	0.1	0.1	0.1

Jadual B4.6: Penduduk bekerja mengikut negeri, pekerjaan dan jantina, Malaysia, 2024

Table B4.6: *Employed persons by state, occupation and sex, Malaysia, 2024*

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, penterbakan, 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	10,257.1	589.8	1,102.4	1,332.1	450.6	1,969.9	572.3	1,185.3	1,371.2	1,683.3
Johor	1,414.2	69.6	125.1	212.7	66.8	259.5	35.7	177.2	208.9	258.7
Kedah	609.7	19.7	45.6	69.4	22.4	118.2	52.2	85.0	109.1	88.0
Kelantan	426.7	13.1	29.6	31.1	14.5	102.7	17.4	63.7	49.1	105.8
Melaka	319.1	20.4	24.4	45.3	13.1	70.9	3.5	33.8	56.6	51.2
Negeri Sembilan	347.3	29.8	30.8	47.7	11.9	65.5	13.4	34.5	60.4	53.4
Pahang	498.5	15.3	29.9	40.8	19.6	89.7	52.4	59.3	77.7	113.7
Pulau Pinang	569.8	33.1	98.5	96.4	32.4	99.1	6.0	56.6	104.6	43.2
Perak	736.8	37.7	55.6	69.3	33.0	144.3	48.0	99.2	107.8	141.9
Perlis	79.7	5.2	5.9	6.7	4.4	17.3	8.2	12.2	8.9	10.9
Selangor	2,336.1	181.9	333.7	428.6	116.7	428.1	61.0	221.3	278.0	286.7
Terengganu	319.5	8.6	19.7	30.2	12.8	74.7	14.3	69.7	39.1	50.4
Sabah	1,081.7	41.1	58.5	69.5	35.8	193.8	167.1	119.7	131.3	264.9
Sarawak	769.9	29.8	57.6	72.7	33.7	142.7	91.5	95.6	91.2	155.2
W.P. Kuala Lumpur	691.3	81.8	178.6	101.6	27.2	153.8	0.8	50.4	43.5	53.7
W.P. Labuan	27.9	1.2	2.2	4.7	2.1	4.0	1.0	5.7	2.7	4.2
W.P. Putrajaya	29.0	1.5	6.9	5.5	4.3	5.7	0.0	1.4	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
Johor	13.8	11.8	11.3	16.0	14.8	13.2	6.2	14.9	15.2	15.4
Kedah	5.9	3.3	4.1	5.2	5.0	6.0	9.1	7.2	8.0	5.2
Kelantan	4.2	2.2	2.7	2.3	3.2	5.2	3.0	5.4	3.6	6.3
Melaka	3.1	3.5	2.2	3.4	2.9	3.6	0.6	2.8	4.1	3.0
Negeri Sembilan	3.4	5.1	2.8	3.6	2.6	3.3	2.3	2.9	4.4	3.2
Pahang	4.9	2.6	2.7	3.1	4.4	4.6	9.2	5.0	5.7	6.8
Pulau Pinang	5.6	5.6	8.9	7.2	7.2	5.0	1.0	4.8	7.6	2.6
Perak	7.2	6.4	5.0	5.2	7.3	7.3	8.4	8.4	7.9	8.4
Perlis	0.8	0.9	0.5	0.5	1.0	0.9	1.4	1.0	0.7	0.6
Selangor	22.8	30.8	30.3	32.2	25.9	21.7	10.7	18.7	20.3	17.0
Terengganu	3.1	1.5	1.8	2.3	2.8	3.8	2.5	5.9	2.9	3.0
Sabah	10.5	7.0	5.3	5.2	7.9	9.8	29.2	10.1	9.6	15.7
Sarawak	7.5	5.1	5.2	5.5	7.5	7.2	16.0	8.1	6.6	9.2
W.P. Kuala Lumpur	6.7	13.9	16.2	7.6	6.0	7.8	0.1	4.3	3.2	3.2
W.P. Labuan	0.3	0.2	0.2	0.4	0.5	0.2	0.2	0.5	0.2	0.2
W.P. Putrajaya	0.3	0.3	0.6	0.4	1.0	0.3	0.0	0.1	0.2	0.1

Jadual B4.6: Penduduk bekerja mengikut negeri, pekerjaan dan jantina, Malaysia, 2024 (samb.)

Table B4.6: Employed persons by state, occupation and sex, Malaysia, 2024 (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 jualan Service and sales workers	Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan Skilled agricultural forestry, livestock workers and fishery workers	Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades	Operator mesin dan pemasang Plant and machine operators and assemblers	Pekerja loji, Asas dan pekerjaan Elementary occupations
Jumlah ('000) Total	6,112.3	219.0	1,072.8	627.4	1,155.3	1,820.8	106.1	261.4	363.6	485.8
Johor	662.3	15.4	116.6	71.8	142.0	204.9	2.7	26.8	47.5	34.5
Kedah	346.8	5.4	54.2	34.6	54.3	110.6	3.1	20.3	38.3	25.9
Kelantan	253.9	3.5	34.8	22.8	38.4	114.6	3.3	18.4	4.4	13.7
Melaka	197.9	5.2	36.8	20.5	43.2	54.9	0.2	5.2	24.0	8.0
Negeri Sembilan	202.2	7.5	45.6	22.4	30.3	56.2	1.1	6.4	17.0	15.6
Pahang	243.7	4.4	32.3	22.2	46.1	94.8	5.5	11.8	8.3	18.3
Pulau Pinang	361.4	12.3	79.1	37.4	62.3	82.3	0.4	11.4	61.2	14.9
Perak	399.4	10.1	76.6	40.6	69.3	117.7	3.7	13.6	34.4	33.4
Perlis	48.0	1.5	9.0	4.2	6.2	20.0	0.3	3.0	1.7	2.2
Selangor	1,654.1	102.4	289.3	200.5	376.8	449.3	4.4	71.6	54.2	105.6
Terengganu	159.5	3.2	26.0	16.1	27.6	62.9	1.6	9.6	2.5	10.0
Sabah	635.7	11.3	51.5	40.1	84.3	215.6	35.1	26.4	52.7	118.8
Sarawak	438.0	6.5	57.5	34.8	74.2	133.5	44.2	26.4	8.0	52.9
W.P. Kuala Lumpur	462.1	29.2	151.2	52.3	84.9	96.0	0.4	9.8	9.1	29.1
W.P. Labuan	16.5	0.6	2.3	1.7	4.9	4.3	0.1	0.5	0.1	2.1
W.P. Putrajaya	30.5	0.5	10.1	5.3	10.6	3.0	0.0	0.2	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	10.8	7.0	10.9	11.4	12.3	11.3	2.6	10.3	13.1	7.1
Kedah	5.7	2.4	5.0	5.5	4.7	6.1	2.9	7.8	10.5	5.3
Kelantan	4.2	1.6	3.2	3.6	3.3	6.3	3.1	7.1	1.2	2.8
Melaka	3.2	2.4	3.4	3.3	3.7	3.0	0.2	2.0	6.6	1.6
Negeri Sembilan	3.3	3.4	4.2	3.6	2.6	3.1	1.1	2.4	4.7	3.2
Pahang	4.0	2.0	3.0	3.5	4.0	5.2	5.1	4.5	2.3	3.8
Pulau Pinang	5.9	5.6	7.4	6.0	5.4	4.5	0.3	4.4	16.8	3.1
Perak	6.5	4.6	7.1	6.5	6.0	6.5	3.5	5.2	9.5	6.9
Perlis	0.8	0.7	0.8	0.7	0.5	1.1	0.3	1.1	0.5	0.5
Selangor	27.1	46.8	27.0	32.0	32.6	24.7	4.2	27.4	14.9	21.7
Terengganu	2.6	1.5	2.4	2.6	2.4	3.5	1.5	3.7	0.7	2.1
Sabah	10.4	5.2	4.8	6.4	7.3	11.8	33.1	10.1	14.5	24.5
Sarawak	7.2	3.0	5.4	5.5	6.4	7.3	41.7	10.1	2.2	10.9
W.P. Kuala Lumpur	7.6	13.3	14.1	8.3	7.4	5.3	0.4	3.7	2.5	6.0
W.P. Labuan	0.3	0.3	0.2	0.3	0.4	0.2	0.1	0.2	0.0	0.4
W.P. Putrajaya	0.5	0.2	0.9	0.8	0.9	0.2	0.0	0.1	0.0	0.1

Jadual B4.7: Penduduk bekerja mengikut negeri, pekerjaan dan strata, Malaysia, 2024

Table B4.7: Employed persons by state, occupation and strata, Malaysia, 2024

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, 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 pemasangan Plant and machine operators and assemblers	Pekerja Elemenari Elementary occupations
Jumlah ('000) Total	12,747.2	735.5	1,936.5	1,720.5	1,370.9	3,084.8	221.5	1,130.3	1,302.2	1,245.1
Johor	1,639.7	75.1	208.5	245.3	172.5	379.1	16.6	168.4	190.5	183.7
Kedah	675.8	20.4	84.0	81.3	58.2	169.5	19.9	73.8	102.0	66.6
Kelantan	332.2	10.1	34.7	28.7	28.8	113.6	3.7	42.7	25.6	44.4
Melaka	474.0	24.0	58.4	63.0	52.6	117.5	2.9	34.0	73.4	48.1
Negeri Sembilan	394.4	29.4	60.7	55.6	32.9	92.0	3.7	29.7	59.9	30.5
Pahang	382.9	14.6	42.2	41.6	40.6	113.5	11.5	40.4	40.7	37.9
Pulau Pinang	876.6	44.2	171.0	127.6	89.1	170.0	3.5	64.5	154.4	52.3
Perak	817.8	40.7	112.7	90.1	85.7	213.8	14.1	88.3	94.1	78.3
Perlis	73.6	5.1	9.1	7.0	6.8	22.2	3.9	8.0	5.6	5.8
Selangor	3,838.0	281.2	606.3	614.3	477.5	848.7	52.8	282.6	310.9	363.7
Terengganu	321.3	8.3	33.8	34.2	29.5	96.5	7.3	54.2	27.9	29.6
Sabah	952.3	41.4	72.7	76.2	83.8	284.4	64.5	96.5	98.7	134.1
Sarawak	715.7	26.1	91.1	84.9	79.3	197.9	15.2	79.9	60.9	80.3
W.P. Kuala Lumpur	1,153.5	111.1	329.8	153.9	112.1	249.8	1.2	60.2	52.6	82.8
W.P. Labuan	39.7	1.7	4.3	6.0	6.7	7.4	0.6	5.5	2.6	4.8
W.P. Putrajaya	59.6	2.0	17.0	10.8	14.9	8.7	0.0	1.6	2.4	2.1
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.9	10.2	10.8	14.3	12.6	12.3	7.5	14.9	14.6	14.8
Kedah	5.3	2.8	4.3	4.7	4.2	5.5	9.0	6.5	7.8	5.3
Kelantan	2.6	1.4	1.8	1.7	2.1	3.7	1.7	3.8	2.0	3.6
Melaka	3.7	3.3	3.0	3.7	3.8	3.8	1.3	3.0	5.6	3.9
Negeri Sembilan	3.1	4.0	3.1	3.2	2.4	3.0	1.7	2.6	4.6	2.4
Pahang	3.0	2.0	2.2	2.4	3.0	3.7	5.2	3.6	3.1	3.0
Pulau Pinang	6.9	6.0	8.8	7.4	6.5	5.5	1.6	5.7	11.9	4.2
Perak	6.4	5.5	5.8	5.2	6.3	6.9	6.4	7.8	7.2	6.3
Perlis	0.6	0.7	0.5	0.4	0.5	0.7	1.8	0.7	0.4	0.5
Selangor	30.1	38.2	31.3	35.7	34.8	27.5	23.8	25.0	23.9	29.2
Terengganu	2.5	1.1	1.7	2.0	2.2	3.1	3.3	4.8	2.1	2.4
Sabah	7.5	5.6	3.8	4.4	6.1	9.2	29.1	8.5	7.6	10.8
Sarawak	5.6	3.5	4.7	4.9	5.8	6.4	6.9	7.1	4.7	6.5
W.P. Kuala Lumpur	9.0	15.1	17.0	8.9	8.2	8.1	0.5	5.3	4.0	6.6
W.P. Labuan	0.3	0.2	0.2	0.3	0.5	0.2	0.3	0.5	0.2	0.4
W.P. Putrajaya	0.5	0.3	0.9	0.6	1.1	0.3	0.0	0.1	0.2	0.2

Jadual B4.7: Penduduk bekerja mengikut negeri, pekerjaan dan strata, Malaysia, 2024 (samb.)

Table B4.7: Employed persons by state, occupation and strata, Malaysia, 2024 (cont'd)

Luar bandar/Rural 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	3,622.2	73.4	238.8	239.1	234.9	705.9	456.9	316.4	432.7	924.1
Johor	436.8	9.9	33.2	39.2	36.3	85.4	21.7	35.6	65.9	109.6
Kedah	280.6	4.7	15.7	22.8	18.5	59.4	35.4	31.5	45.4	47.3
Kelantan	348.5	6.5	29.7	25.2	24.1	103.6	17.0	39.5	28.0	75.1
Melaka	43.0	1.5	2.7	2.8	3.8	8.3	0.9	5.0	7.2	11.0
Negeri Sembilan	155.0	7.9	15.6	14.5	9.3	29.7	10.8	11.2	17.6	38.6
Pahang	359.3	5.2	20.1	21.5	25.1	71.0	46.3	30.7	45.3	94.1
Pulau Pinang	54.5	1.2	6.5	6.2	5.6	11.4	2.8	3.5	11.4	5.8
Perak	318.4	7.1	19.4	19.9	16.6	48.2	37.6	24.5	48.2	97.0
Perlis	54.1	1.5	5.8	3.9	3.9	15.0	4.6	7.1	5.0	7.3
Selangor	152.2	3.1	16.7	14.8	16.0	28.7	12.6	10.3	21.4	28.6
Terengganu	157.7	3.5	11.9	12.0	10.9	41.1	8.6	25.1	13.7	30.8
Sabah	765.1	10.9	37.3	33.4	36.3	125.0	137.7	49.6	85.3	249.6
Sarawak	492.2	10.2	23.9	22.5	28.6	78.4	120.5	42.1	38.3	127.7
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	4.7	0.1	0.2	0.4	0.2	0.9	0.5	0.7	0.2	1.5
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	12.1	13.5	13.9	16.4	15.4	12.1	4.8	11.3	15.2	11.9
Kedah	7.7	6.3	6.6	9.5	7.9	8.4	7.8	10.0	10.5	5.1
Kelantan	9.6	8.8	12.4	10.6	10.3	14.7	3.7	12.5	6.5	8.1
Melaka	1.2	2.1	1.1	1.2	1.6	1.2	0.2	1.6	1.7	1.2
Negeri Sembilan	4.3	10.8	6.6	6.1	3.9	4.2	2.4	3.5	4.1	4.2
Pahang	9.9	7.1	8.4	9.0	10.7	10.1	10.1	9.7	10.5	10.2
Pulau Pinang	1.5	1.7	2.7	2.6	2.4	1.6	0.6	1.1	2.6	0.6
Perak	8.8	9.7	8.1	8.3	7.0	6.8	8.2	7.7	11.1	10.5
Perlis	1.5	2.1	2.4	1.6	1.6	2.1	1.0	2.2	1.2	0.8
Selangor	4.2	4.2	7.0	6.2	6.8	4.1	2.8	3.3	4.9	3.1
Terengganu	4.4	4.8	5.0	5.0	4.6	5.8	1.9	7.9	3.2	3.3
Sabah	21.1	14.9	15.6	14.0	15.4	17.7	30.1	15.7	19.7	27.0
Sarawak	13.6	14.0	10.0	9.4	12.2	11.1	26.4	13.3	8.8	13.8
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.0	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.

Jadual B4.8: Penduduk bekerja mengikut negeri dan industri, Malaysia, 2024

Table B4.8: Employed persons by state and industry, Malaysia, 2024

Negeri State	Jumlah ¹ Total	Pertanian Agriculture	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 Wholesale and retail trade
Jumlah ('000) Total	16,369.4	1,478.5	88.7	2,664.6	76.8	93.0	1,393.4	3,063.3
Johor	2,076.5	125.2	7.3	473.6	10.1	18.8	154.2	455.0
Kedah	956.5	87.3	0.8	201.2	4.1	7.1	77.7	176.0
Kelantan	680.7	49.7	1.2	72.9	1.7	1.2	83.2	150.4
Melaka	517.0	15.3	0.8	137.6	3.0	3.3	45.6	84.6
Negeri Sembilan	549.5	45.4	3.1	90.5	6.1	5.3	40.8	86.1
Pahang	742.2	139.4	1.7	93.8	5.1	7.1	43.8	125.8
Pulau Pinang	931.2	10.4	0.7	355.1	4.3	3.4	56.7	129.1
Perak	1,136.2	123.5	6.7	201.5	5.1	3.9	83.9	215.7
Perlis	127.7	12.4	0.2	12.4	0.3	1.0	9.3	20.2
Selangor	3,990.2	119.5	37.6	564.4	13.9	20.4	415.7	777.6
Terengganu	479.0	37.6	10.7	49.0	3.5	4.3	66.6	84.7
Sabah	1,717.4	444.9	4.4	199.6	7.8	5.3	112.7	313.8
Sarawak	1,207.9	247.4	8.8	134.3	7.2	7.7	117.5	204.4
W.P. Kuala Lumpur	1,153.5	19.4	1.0	73.4	4.0	3.8	79.2	229.6
W.P. Labuan	44.4	1.0	3.7	3.7	0.1	0.3	4.9	6.1
W.P. Putrajaya	59.6	0.2	0.0	1.5	0.4	0.1	1.7	4.3
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.7	8.5	8.2	17.8	13.1	20.2	11.1	14.9
Kedah	5.8	5.9	0.9	7.6	5.3	7.6	5.6	5.7
Kelantan	4.2	3.4	1.4	2.7	2.3	1.3	6.0	4.9
Melaka	3.2	1.0	0.9	5.2	3.9	3.5	3.3	2.8
Negeri Sembilan	3.4	3.1	3.4	3.4	8.0	5.7	2.9	2.8
Pahang	4.5	9.4	1.9	3.5	6.7	7.7	3.1	4.1
Pulau Pinang	5.7	0.7	0.8	13.3	5.6	3.7	4.1	4.2
Perak	6.9	8.4	7.5	7.6	6.6	4.2	6.0	7.0
Perlis	0.8	0.8	0.3	0.5	0.4	1.1	0.7	0.7
Selangor	24.4	8.1	42.4	21.2	18.1	21.9	29.8	25.4
Terengganu	2.9	2.5	12.1	1.8	4.5	4.6	4.8	2.8
Sabah	10.5	30.1	4.9	7.5	10.1	5.7	8.1	10.2
Sarawak	7.4	16.7	9.9	5.0	9.4	8.3	8.4	6.7
W.P. Kuala Lumpur	7.0	1.3	1.2	2.8	5.3	4.1	5.7	7.5
W.P. Labuan	0.3	0.1	4.2	0.1	0.2	0.3	0.3	0.2
W.P. Putrajaya	0.4	0.0	0.0	0.1	0.5	0.1	0.1	0.1

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, 2024 (samb.)

Table B4.8: Employed persons by state and industry, Malaysia, 2024 (cont'd)

Negeri State	Pengangkutan dan penyimpanan Transportation and storage	Makanan & minuman dan penginapan Food & beverages and accommodation	Maklumat dan komunikasi Information and communication	"Kewangan dan insurans Finance and insurance"	Hartanah Real estate	Profesional, saintifik dan teknikal Professional, scientific and technical	Pentadbiran dan khidmat sokongan Administrative and support service
Jumlah ('000) Total	751.4	1,617.1	286.3	444.6	101.5	396.6	888.0
Johor	95.4	182.4	17.2	52.9	12.4	48.9	97.0
Kedah	35.5	100.1	7.0	15.4	1.2	13.6	41.1
Kelantan	29.6	73.3	6.2	11.2	0.6	8.6	42.3
Melaka	16.6	46.9	4.0	8.6	2.7	13.8	25.7
Negeri Sembilan	32.0	55.2	6.4	12.3	1.8	8.4	30.7
Pahang	34.3	69.7	4.9	10.4	0.7	10.5	37.6
Pulau Pinang	45.0	84.8	13.2	23.7	3.7	27.3	32.3
Perak	34.9	99.2	11.3	23.8	1.8	22.8	56.0
Perlis	4.1	18.4	0.5	1.1	0.1	1.1	9.4
Selangor	259.7	441.8	122.5	137.0	49.4	84.4	284.8
Terengganu	19.9	54.0	5.4	5.8	0.3	7.8	28.5
Sabah	58.1	165.7	9.2	20.8	2.5	14.1	71.0
Sarawak	39.1	92.9	7.0	15.7	1.8	27.2	54.8
W.P. Kuala Lumpur	43.1	126.0	69.7	102.6	21.3	105.2	71.9
W.P. Labuan	2.9	4.5	0.3	1.7	0.9	0.7	3.4
W.P. Putrajaya	1.2	2.2	1.4	1.6	0.3	2.1	1.6
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.7	11.3	6.0	11.9	12.2	12.3	10.9
Kedah	4.7	6.2	2.4	3.5	1.2	3.4	4.6
Kelantan	3.9	4.5	2.2	2.5	0.6	2.2	4.8
Melaka	2.2	2.9	1.4	1.9	2.6	3.5	2.9
Negeri Sembilan	4.3	3.4	2.2	2.8	1.7	2.1	3.5
Pahang	4.6	4.3	1.7	2.3	0.7	2.6	4.2
Pulau Pinang	6.0	5.2	4.6	5.3	3.7	6.9	3.6
Perak	4.6	6.1	4.0	5.4	1.8	5.8	6.3
Perlis	0.6	1.1	0.2	0.3	0.1	0.3	1.1
Selangor	34.6	27.3	42.8	30.8	48.7	21.3	32.1
Terengganu	2.6	3.3	1.9	1.3	0.3	2.0	3.2
Sabah	7.7	10.2	3.2	4.7	2.5	3.6	8.0
Sarawak	5.2	5.7	2.4	3.5	1.8	6.9	6.2
W.P. Kuala Lumpur	5.7	7.8	24.3	23.1	21.0	26.5	8.1
W.P. Labuan	0.4	0.3	0.1	0.4	0.9	0.2	0.4
W.P. Putrajaya	0.2	0.1	0.5	0.3	0.3	0.5	0.2

Jadual B4.8: Penduduk bekerja mengikut negeri dan industri, Malaysia, 2024 (samb.)

Table B4.8: Employed persons by state and industry, Malaysia, 2024 (cont'd)

Negeri State	Pentadbiran awam dan pertahanan <i>Public administration and defence</i>	Pendidikan <i>Education</i>	Kesihatan kemanusiaan dan kerja sosial <i>Human health and social work</i>	Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	Perkhidmatan lain <i>Other service</i>	Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>
Jumlah ('000) Total	854.4	1,042.5	683.5	73.5	264.5	103.6
Johor	59.1	127.9	92.6	6.5	26.3	13.7
Kedah	58.6	72.1	42.0	1.6	12.0	2.0
Kelantan	43.5	56.5	36.9	3.8	6.7	1.1
Melaka	32.7	42.3	23.2	2.8	6.0	1.5
Negeri Sembilan	37.8	48.0	26.8	3.3	8.0	1.7
Pahang	58.0	54.0	31.3	3.4	8.5	2.1
Pulau Pinang	33.0	52.1	36.1	3.8	12.2	4.0
Perak	69.3	105.4	48.3	4.9	10.3	7.9
Perlis	14.0	13.5	7.4	0.7	1.4	0.3
Selangor	160.5	183.5	162.4	17.5	115.6	21.9
Terengganu	32.3	37.1	21.5	3.1	5.5	1.4
Sabah	97.7	91.0	51.1	5.9	18.2	23.6
Sarawak	91.0	88.8	40.4	5.9	13.5	2.5
W.P. Kuala Lumpur	29.9	62.6	58.4	9.7	19.9	19.4
W.P. Labuan	4.2	3.0	2.0	0.3	0.4	0.4
W.P. Putrajaya	32.8	4.7	3.2	0.2	0.1	0.1
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0
Johor	6.9	12.3	13.5	8.8	9.9	13.2
Kedah	6.9	6.9	6.1	2.2	4.5	2.0
Kelantan	5.1	5.4	5.4	5.2	2.5	1.0
Melaka	3.8	4.1	3.4	3.9	2.3	1.4
Negeri Sembilan	4.4	4.6	3.9	4.4	3.0	1.6
Pahang	6.8	5.2	4.6	4.6	3.2	2.1
Pulau Pinang	3.9	5.0	5.3	5.2	4.6	3.9
Perak	8.1	10.1	7.1	6.6	3.9	7.7
Perlis	1.6	1.3	1.1	0.9	0.5	0.3
Selangor	18.8	17.6	23.8	23.8	43.7	21.1
Terengganu	3.8	3.6	3.1	4.3	2.1	1.4
Sabah	11.4	8.7	7.5	8.1	6.9	22.7
Sarawak	10.6	8.5	5.9	8.1	5.1	2.4
W.P. Kuala Lumpur	3.5	6.0	8.5	13.2	7.5	18.7
W.P. Labuan	0.5	0.3	0.3	0.4	0.2	0.4
W.P. Putrajaya	3.8	0.5	0.5	0.3	0.0	0.1

Jadual B4.9: Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2024

Table B4.9: Employed persons by state, industry and sex, Malaysia, 2024

Lelaki/Male Negeri State	Jumlah ¹ Total	Pertanian Agriculture	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 Wholesale and retail trade
Jumlah ('000) Total	10,257.1	1,197.3	70.9	1,655.7	62.0	72.4	1,263.0	1,784.3
Johor	1,414.2	111.3	6.4	338.0	8.5	17.0	141.8	314.7
Kedah	609.7	78.5	0.8	127.5	3.9	6.0	73.3	105.3
Kelantan	426.7	41.5	1.1	45.3	1.7	1.0	81.4	82.4
Melaka	319.1	13.6	0.3	92.2	2.6	3.0	40.6	51.5
Negeri Sembilan	347.3	41.2	2.4	59.4	5.8	4.3	36.5	53.8
Pahang	498.5	128.3	1.1	67.7	4.7	6.6	40.1	69.2
Pulau Pinang	569.8	9.4	0.1	222.0	4.0	2.4	49.0	77.5
Perak	736.8	112.3	4.9	132.8	4.3	3.2	77.4	143.4
Perlis	79.7	11.4	0.2	7.2	0.2	0.9	8.9	12.8
Selangor	2,336.1	86.3	28.7	291.0	5.9	11.5	362.2	376.0
Terengganu	319.5	35.1	9.8	32.7	3.3	3.4	64.4	49.7
Sabah	1,081.7	344.8	3.6	107.6	7.1	4.0	105.7	178.5
Sarawak	769.9	168.6	7.4	89.8	6.5	6.5	109.7	120.0
W.P. Kuala Lumpur	691.3	13.8	0.8	38.9	3.1	2.5	66.1	143.9
W.P. Labuan	27.9	1.0	3.0	2.8	0.1	0.1	4.4	3.2
W.P. Putrajaya	29.0	0.2	0.0	0.7	0.3	0.1	1.5	2.6
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.8	9.3	9.1	20.4	13.7	23.5	11.2	17.6
Kedah	5.9	6.6	1.2	7.7	6.3	8.3	5.8	5.9
Kelantan	4.2	3.5	1.6	2.7	2.7	1.3	6.4	4.6
Melaka	3.1	1.1	0.5	5.6	4.2	4.2	3.2	2.9
Negeri Sembilan	3.4	3.4	3.5	3.6	9.3	5.9	2.9	3.0
Pahang	4.9	10.7	1.5	4.1	7.6	9.1	3.2	3.9
Pulau Pinang	5.6	0.8	0.1	13.4	6.4	3.3	3.9	4.3
Perak	7.2	9.4	6.9	8.0	6.9	4.4	6.1	8.0
Perlis	0.8	1.0	0.3	0.4	0.3	1.3	0.7	0.7
Selangor	22.8	7.2	40.5	17.6	9.6	15.9	28.7	21.1
Terengganu	3.1	2.9	13.8	2.0	5.4	4.6	5.1	2.8
Sabah	10.5	28.8	5.1	6.5	11.4	5.5	8.4	10.0
Sarawak	7.5	14.1	10.5	5.4	10.5	9.0	8.7	6.7
W.P. Kuala Lumpur	6.7	1.2	1.2	2.4	5.1	3.4	5.2	8.1
W.P. Labuan	0.3	0.1	4.2	0.2	0.2	0.1	0.4	0.2
W.P. Putrajaya	0.3	0.0	0.0	0.0	0.5	0.1	0.1	0.1

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, 2024 (samb.)

Table B4.9: Employed persons by state, industry and sex, Malaysia, 2024 (cont'd)

Lelaki/Male Negeri/State	Pengangkutan dan penyimpanan Transportation and storage	Makanan & minuman dan penginapan Food & beverages and accommodation	Maklumat dan komunikasi Information and communication	"Kewangan dan insurans Finance and insurance"	Hartanah Real estate	Profesional, saintifik dan teknikal Professional, scientific and technical	Pentadbiran dan khidmat sokongan Administrative and support service
Jumlah ('000) Total	630.9	847.8	142.9	236.1	69.8	210.5	589.6
Johor	77.6	110.7	12.7	28.3	8.2	24.2	77.0
Kedah	30.0	56.0	4.4	6.9	0.6	6.5	30.5
Kelantan	26.9	31.2	3.7	5.3	0.5	4.0	35.9
Melaka	14.2	25.9	2.8	3.6	1.7	4.4	19.7
Negeri Sembilan	29.3	26.8	4.6	5.7	0.8	4.5	22.2
Pahang	31.0	34.5	4.4	4.6	0.4	4.8	26.9
Pulau Pinang	37.5	49.6	9.3	11.3	2.2	12.3	23.8
Perak	31.2	49.2	7.5	10.7	0.9	10.8	40.2
Perlis	3.7	7.7	0.5	0.3	0.1	0.6	7.5
Selangor	206.7	216.9	27.1	91.2	40.7	50.2	151.9
Terengganu	18.7	28.2	4.2	2.7	0.2	4.7	21.4
Sabah	54.0	72.4	5.6	11.0	1.7	7.0	47.0
Sarawak	33.5	42.6	5.9	8.1	1.0	15.8	36.5
W.P. Kuala Lumpur	33.3	93.0	48.9	44.9	10.0	59.3	45.4
W.P. Labuan	2.1	1.4	0.2	0.6	0.7	0.5	2.6
W.P. Putrajaya	1.1	1.7	1.0	1.0	0.1	1.2	1.1
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.3	13.1	8.9	12.0	11.7	11.5	13.1
Kedah	4.8	6.6	3.1	2.9	0.9	3.1	5.2
Kelantan	4.3	3.7	2.6	2.3	0.7	1.9	6.1
Melaka	2.2	3.1	1.9	1.5	2.5	2.1	3.3
Negeri Sembilan	4.6	3.2	3.2	2.4	1.2	2.2	3.8
Pahang	4.9	4.1	3.1	1.9	0.5	2.3	4.6
Pulau Pinang	5.9	5.9	6.5	4.8	3.2	5.8	4.0
Perak	4.9	5.8	5.3	4.5	1.3	5.1	6.8
Perlis	0.6	0.9	0.3	0.1	0.1	0.3	1.3
Selangor	32.8	25.6	19.0	38.6	58.2	23.8	25.8
Terengganu	3.0	3.3	3.0	1.1	0.3	2.2	3.6
Sabah	8.6	8.5	4.0	4.6	2.5	3.3	8.0
Sarawak	5.3	5.0	4.1	3.4	1.4	7.5	6.2
W.P. Kuala Lumpur	5.3	11.0	34.2	19.0	14.4	28.1	7.7
W.P. Labuan	0.3	0.2	0.1	0.2	0.9	0.2	0.4
W.P. Putrajaya	0.2	0.2	0.7	0.4	0.1	0.6	0.2

Jadual B4.9: Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2024 (samb.)

Table B4.9: Employed persons by state, industry and sex, Malaysia, 2024 (cont'd)

Lelaki/Male Negeri State	Pentadbiran awam dan pertahanan <i>Public administration and defence</i>	Pendidikan <i>Education</i>	Kesihatan kemanusiaan dan kerja sosial <i>Human health and social work</i>	Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	Perkhidmatan lain <i>Other service</i>	Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>
Jumlah ('000) Total	581.4	384.2	225.6	38.4	149.6	41.9
Johor	37.4	42.4	31.3	3.5	16.2	6.9
Kedah	36.1	23.7	9.8	0.9	8.0	0.9
Kelantan	28.4	17.4	11.2	2.6	5.3	0.1
Melaka	20.7	12.8	4.5	1.7	2.6	0.6
Negeri Sembilan	24.3	12.1	6.4	2.3	4.9	0.1
Pahang	38.1	18.9	9.4	1.9	4.6	1.3
Pulau Pinang	22.8	16.0	10.5	2.1	7.4	0.7
Perak	47.7	34.2	13.7	1.9	5.8	4.8
Perlis	9.9	4.8	1.8	0.5	0.7	-
Selangor	137.4	100.4	68.0	8.0	64.1	11.9
Terengganu	19.5	9.9	4.6	1.7	4.5	0.6
Sabah	63.1	36.5	16.6	2.7	10.6	2.2
Sarawak	60.2	33.0	12.9	3.3	7.8	0.9
W.P. Kuala Lumpur	18.5	19.9	23.5	5.1	6.8	10.7
W.P. Labuan	3.0	1.2	0.4	0.1	0.4	0.1
W.P. Putrajaya	14.5	1.1	0.8	0.1	0.1	0.0
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0
Johor	6.4	11.0	13.9	9.2	10.8	16.6
Kedah	6.2	6.2	4.4	2.4	5.4	2.1
Kelantan	4.9	4.5	5.0	6.7	3.5	0.2
Melaka	3.6	3.3	2.0	4.3	1.8	1.5
Negeri Sembilan	4.2	3.2	2.8	6.0	3.3	0.1
Pahang	6.5	4.9	4.2	5.0	3.1	3.2
Pulau Pinang	3.9	4.2	4.7	5.4	5.0	1.6
Perak	8.2	8.9	6.1	5.0	3.9	11.4
Perlis	1.7	1.2	0.8	1.2	0.4	-
Selangor	23.6	26.1	30.1	20.8	42.8	28.4
Terengganu	3.3	2.6	2.0	4.5	3.0	1.5
Sabah	10.9	9.5	7.4	7.1	7.1	5.3
Sarawak	10.4	8.6	5.7	8.6	5.2	2.1
W.P. Kuala Lumpur	3.2	5.2	10.4	13.3	4.6	25.6
W.P. Labuan	0.5	0.3	0.2	0.4	0.2	0.3
W.P. Putrajaya	2.5	0.3	0.4	0.3	0.0	0.1

Jadual B4.9: Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2024 (samb.)

Table B4.9: Employed persons by state, industry and sex, Malaysia, 2024 (cont'd)

Perempuan/Female Negeri State	Jumlah ¹ Total	Pertanian Agriculture	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 Wholesale and retail trade
Jumlah ('000) Total	6,112.3	281.2	17.8	1,009.0	14.8	20.6	130.3	1,279.0
Johor	662.3	14.0	0.8	135.6	1.6	1.8	12.3	140.3
Kedah	346.8	8.8	-	73.7	0.1	1.1	4.5	70.7
Kelantan	253.9	8.2	0.1	27.5	0.1	0.2	1.8	68.0
Melaka	197.9	1.6	0.4	45.4	0.4	0.2	4.9	33.1
Negeri Sembilan	202.2	4.2	0.6	31.2	0.4	1.0	4.3	32.3
Pahang	243.7	11.1	0.7	26.2	0.4	0.6	3.7	56.6
Pulau Pinang	361.4	1.0	0.6	133.2	0.3	1.1	7.7	51.7
Perak	399.4	11.3	1.8	68.7	0.8	0.7	6.5	72.3
Perlis	48.0	1.0	-	5.2	0.2	0.1	0.3	7.5
Selangor	1,654.1	33.2	8.9	273.4	8.0	8.9	53.5	401.6
Terengganu	159.5	2.5	0.9	16.2	0.1	0.9	2.1	35.0
Sabah	635.7	100.1	0.7	91.9	0.7	1.3	7.0	135.3
Sarawak	438.0	78.7	1.4	44.5	0.7	1.2	7.9	84.4
W.P. Kuala Lumpur	462.1	5.6	0.2	34.5	0.9	1.3	13.1	85.7
W.P. Labuan	16.5	0.0	0.7	0.9	-	0.2	0.4	2.9
W.P. Putrajaya	30.5	0.0	-	0.8	0.1	0.0	0.2	1.7
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	10.8	5.0	4.6	13.4	10.7	8.5	9.5	11.0
Kedah	5.7	3.1	-	7.3	0.9	5.4	3.4	5.5
Kelantan	4.2	2.9	0.5	2.7	0.6	1.1	1.4	5.3
Melaka	3.2	0.6	2.4	4.5	3.0	1.2	3.8	2.6
Negeri Sembilan	3.3	1.5	3.4	3.1	2.5	4.7	3.3	2.5
Pahang	4.0	4.0	3.7	2.6	2.9	2.8	2.8	4.4
Pulau Pinang	5.9	0.4	3.4	13.2	2.2	5.2	5.9	4.0
Perak	6.5	4.0	10.0	6.8	5.4	3.4	5.0	5.6
Perlis	0.8	0.3	-	0.5	1.1	0.3	0.3	0.6
Selangor	27.1	11.8	49.8	27.1	53.8	43.1	41.1	31.4
Terengganu	2.6	0.9	5.3	1.6	1.0	4.5	1.6	2.7
Sabah	10.4	35.6	4.2	9.1	4.7	6.4	5.4	10.6
Sarawak	7.2	28.0	7.6	4.4	4.7	5.7	6.0	6.6
W.P. Kuala Lumpur	7.6	2.0	1.2	3.4	6.1	6.5	10.1	6.7
W.P. Labuan	0.3	0.0	4.0	0.1	-	1.2	0.3	0.2
W.P. Putrajaya	0.5	0.0	-	0.1	0.5	0.1	0.2	0.1

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, 2024 (samb.)

Table B4.9: Employed persons by state, industry and sex, Malaysia, 2024 (cont'd)

Perempuan/Female Negeri State	Pengangkutan dan penyimpanan Transportation and storage	Makanan & minuman dan penginapan Food & beverages and accommodation	Maklumat dan komunikasi Information and communication	"Kewangan dan insurans Finance and insurance"	Hartanah Real estate	Profesional, saintifik dan teknikal Professional, scientific and technical	Pentadbiran dan khidmat sokongan Administrative and support service
Jumlah ('000) Total	120.5	769.2	143.5	208.5	31.7	186.0	298.4
Johor	17.7	71.7	4.5	24.6	4.2	24.8	20.0
Kedah	5.4	44.2	2.6	8.5	0.6	7.1	10.6
Kelantan	2.7	42.0	2.5	5.9	0.1	4.7	6.4
Melaka	2.5	21.1	1.2	4.9	1.0	9.4	6.0
Negeri Sembilan	2.7	28.5	1.8	6.5	0.9	3.8	8.5
Pahang	3.3	35.2	0.5	5.9	0.3	5.7	10.6
Pulau Pinang	7.5	35.2	4.0	12.4	1.5	15.0	8.5
Perak	3.7	50.0	3.8	13.1	0.9	12.1	15.8
Perlis	0.4	10.6	0.0	0.8	0.0	0.5	1.8
Selangor	53.0	224.9	95.5	45.8	8.7	34.2	132.9
Terengganu	1.2	25.8	1.1	3.1	0.1	3.1	7.2
Sabah	4.1	93.3	3.6	9.8	0.8	7.2	24.0
Sarawak	5.6	50.3	1.1	7.7	0.8	11.4	18.3
W.P. Kuala Lumpur	9.8	33.0	20.8	57.7	11.3	45.9	26.5
W.P. Labuan	0.8	3.1	0.1	1.1	0.2	0.2	0.8
W.P. Putrajaya	0.1	0.5	0.4	0.6	0.2	0.9	0.5
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	14.7	9.3	3.2	11.8	13.4	13.3	6.7
Kedah	4.5	5.7	1.8	4.1	1.9	3.8	3.6
Kelantan	2.2	5.5	1.7	2.8	0.2	2.5	2.2
Melaka	2.0	2.7	0.9	2.4	3.0	5.1	2.0
Negeri Sembilan	2.3	3.7	1.3	3.1	3.0	2.1	2.8
Pahang	2.7	4.6	0.4	2.8	1.1	3.1	3.6
Pulau Pinang	6.2	4.6	2.8	6.0	4.7	8.1	2.8
Perak	3.0	6.5	2.7	6.3	2.9	6.5	5.3
Perlis	0.3	1.4	0.0	0.4	0.1	0.3	0.6
Selangor	44.0	29.2	66.5	22.0	27.6	18.4	44.5
Terengganu	1.0	3.4	0.8	1.5	0.2	1.7	2.4
Sabah	3.4	12.1	2.5	4.7	2.5	3.8	8.1
Sarawak	4.6	6.5	0.7	3.7	2.5	6.1	6.1
W.P. Kuala Lumpur	8.1	4.3	14.5	27.7	35.6	24.7	8.9
W.P. Labuan	0.7	0.4	0.1	0.5	0.7	0.1	0.3
W.P. Putrajaya	0.1	0.1	0.3	0.3	0.7	0.5	0.2

Jadual B4.9: Penduduk bekerja mengikut negeri, industri dan jantina, Malaysia, 2024 (samb.)

Table B4.9: Employed persons by state, industry and sex, Malaysia, 2024 (cont'd)

Perempuan/Female Negeri State	Pentadbiran awam dan pertahanan Public administration and defence	Pendidikan Education	Kesihatan kemanusiaan dan kerja sosial Human health and social work	Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	Perkhidmatan lain Other service	Aktiviti isi rumah sebagai majikan Activities of households as employers
Jumlah ('000) Total	273.0	658.2	457.9	35.2	114.9	61.7
Johor	21.8	85.5	61.3	3.0	10.1	6.8
Kedah	22.5	48.4	32.1	0.7	4.0	1.2
Kelantan	15.1	39.2	25.7	1.3	1.4	1.0
Melaka	12.0	29.5	18.7	1.2	3.4	0.9
Negeri Sembilan	13.5	35.8	20.4	1.0	3.1	1.6
Pahang	19.9	35.1	21.8	1.4	3.9	0.8
Pulau Pinang	10.2	36.1	25.6	1.7	4.8	3.3
Perak	21.7	71.2	34.6	3.0	4.5	3.2
Perlis	4.1	8.7	5.6	0.2	0.7	0.3
Selangor	23.1	83.2	94.4	9.5	51.5	10.0
Terengganu	12.8	27.1	16.9	1.4	1.0	0.8
Sabah	34.6	54.5	34.5	3.2	7.6	21.3
Sarawak	30.7	55.9	27.5	2.7	5.6	1.6
W.P. Kuala Lumpur	11.4	42.7	34.8	4.6	13.0	8.7
W.P. Labuan	1.3	1.8	1.5	0.1	0.1	0.2
W.P. Putrajaya	18.3	3.6	2.4	0.1	0.0	0.1
Jumlah (%) Total	100	100	100	100	100	100
Johor	8.0	13.0	13.4	8.4	8.8	10.9
Kedah	8.2	7.4	7.0	2.1	3.5	1.9
Kelantan	5.5	6.0	5.6	3.6	1.2	1.6
Melaka	4.4	4.5	4.1	3.4	2.9	1.4
Negeri Sembilan	4.9	5.4	4.5	2.8	2.7	2.6
Pahang	7.3	5.3	4.8	4.1	3.4	1.3
Pulau Pinang	3.8	5.5	5.6	4.9	4.1	5.4
Perak	7.9	10.8	7.6	8.5	3.9	5.1
Perlis	1.5	1.3	1.2	0.7	0.6	0.5
Selangor	8.5	12.6	20.6	27.1	44.8	16.2
Terengganu	4.7	4.1	3.7	3.9	0.9	1.3
Sabah	12.7	8.3	7.5	9.2	6.6	34.6
Sarawak	11.3	8.5	6.0	7.6	4.9	2.6
W.P. Kuala Lumpur	4.2	6.5	7.6	13.2	11.3	14.0
W.P. Labuan	0.5	0.3	0.3	0.4	0.1	0.4
W.P. Putrajaya	6.7	0.5	0.5	0.3	0.0	0.1

Jadual B4.10: Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2024
Table B4.10: Employed persons by state, industry and strata, Malaysia, 2024

Bandar/Urban Negeri State	Jumlah ¹ Total	Pertanian Agriculture	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 Wholesale and retail trade
Jumlah ('000) Total	12,747.2	392.5	74.6	2,155.5	57.9	75.0	1,132.2	2,539.6
Johor	1,639.7	42.0	6.6	377.4	7.7	15.4	125.2	368.4
Kedah	675.8	30.7	0.6	144.9	2.8	4.9	60.6	125.0
Kelantan	332.2	9.4	0.4	37.6	0.8	0.7	36.1	81.4
Melaka	474.0	6.5	0.7	128.9	2.8	3.0	41.3	76.5
Negeri Sembilan	394.4	7.6	2.9	70.1	5.4	4.0	30.9	68.2
Pahang	382.9	20.2	1.2	44.0	3.3	4.4	25.8	81.8
Pulau Pinang	876.6	6.4	0.6	338.4	4.1	3.2	54.1	122.3
Perak	817.8	27.6	3.4	148.2	3.8	2.8	68.7	158.8
Perlis	73.6	4.3	0.2	6.6	0.3	0.4	5.4	13.3
Selangor	3,838.0	92.7	36.9	539.5	13.3	19.5	405.3	757.1
Terengganu	321.3	8.7	9.1	36.2	2.5	2.6	43.3	63.3
Sabah	952.3	91.1	2.5	110.0	3.3	3.2	77.1	228.5
Sarawak	715.7	25.2	5.1	95.6	3.2	6.7	73.4	155.5
W.P. Kuala Lumpur	1,153.5	19.4	1.0	73.4	4.0	3.8	79.2	229.6
W.P. Labuan	39.7	0.5	3.5	3.3	0.1	0.3	4.0	5.5
W.P. Putrajaya	59.6	0.2	-	1.5	0.4	0.1	1.7	4.3
Jumlah (%) Total	100	100	100	100	100	100	100	100
Johor	12.9	10.7	8.8	17.5	13.4	20.6	11.1	14.5
Kedah	5.3	7.8	0.8	6.7	4.8	6.5	5.4	4.9
Kelantan	2.6	2.4	0.6	1.7	1.3	0.9	3.2	3.2
Melaka	3.7	1.7	0.9	6.0	4.9	4.0	3.6	3.0
Negeri Sembilan	3.1	1.9	3.8	3.3	9.3	5.3	2.7	2.7
Pahang	3.0	5.2	1.6	2.0	5.7	5.9	2.3	3.2
Pulau Pinang	6.9	1.6	0.8	15.7	7.1	4.3	4.8	4.8
Perak	6.4	7.0	4.5	6.9	6.6	3.8	6.1	6.3
Perlis	0.6	1.1	0.3	0.3	0.5	0.5	0.5	0.5
Selangor	30.1	23.6	49.4	25.0	23.1	25.9	35.8	29.8
Terengganu	2.5	2.2	12.3	1.7	4.4	3.5	3.8	2.5
Sabah	7.5	23.2	3.3	5.1	5.7	4.3	6.8	9.0
Sarawak	5.6	6.4	6.8	4.4	5.5	9.0	6.5	6.1
W.P. Kuala Lumpur	9.0	4.9	1.4	3.4	7.0	5.1	7.0	9.0
W.P. Labuan	0.3	0.1	4.7	0.2	0.2	0.4	0.4	0.2
W.P. Putrajaya	0.5	0.0	0.0	0.1	0.6	0.1	0.1	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, 2024 (samb.)
Table B4.10: Employed persons by state, industry and strata, Malaysia, 2024 (cont'd)

Bandar/Urban Negeri State	Pengangkutan dan penyimpanan <i>Transportation and storage</i>	Makanan & minuman dan penginapan <i>Food & beverages and accommodation</i>	Maklumat dan komunikasi <i>Information and communication</i>	"Kewangan dan insurans" <i>Finance and insurance</i>	Hartanah <i>Real estate</i>	Profesional, saintifik dan teknikal <i>Professional, scientific and technical</i>	Pentadbiran dan khidmat sokongan <i>Administrative and support service</i>
Jumlah ('000) <i>Total</i>	633.1	1,346.8	260.4	410.0	98.4	370.4	696.9
Johor	82.5	153.2	13.7	47.9	11.8	45.1	70.0
Kedah	26.7	76.7	4.4	12.7	1.0	11.6	25.7
Kelantan	13.5	37.0	3.1	5.6	0.6	5.1	19.2
Melaka	14.8	43.9	4.0	8.1	2.7	13.6	23.6
Negeri Sembilan	26.1	41.6	4.7	10.9	1.2	7.2	19.0
Pahang	19.8	45.1	2.5	6.7	0.6	7.3	20.2
Pulau Pinang	41.5	79.0	13.0	22.9	3.4	26.5	29.1
Perak	27.9	77.5	9.1	21.9	1.4	21.0	40.0
Perlis	2.5	10.8	0.4	0.8	0.1	0.8	5.1
Selangor	249.1	428.2	120.0	133.7	49.4	82.0	274.6
Terengganu	13.7	38.3	3.4	4.3	0.3	6.4	17.7
Sabah	40.5	116.9	5.2	15.0	2.1	11.6	42.5
Sarawak	27.6	66.6	5.3	13.7	1.5	24.2	33.8
W.P. Kuala Lumpur	43.1	126.0	69.7	102.6	21.3	105.2	71.9
W.P. Labuan	2.6	3.8	0.3	1.7	0.8	0.6	3.0
W.P. Putrajaya	1.2	2.2	1.4	1.6	0.3	2.1	1.6
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.0	11.4	5.3	11.7	12.0	12.2	10.0
Kedah	4.2	5.7	1.7	3.1	1.0	3.1	3.7
Kelantan	2.1	2.7	1.2	1.4	0.6	1.4	2.8
Melaka	2.3	3.3	1.5	2.0	2.7	3.7	3.4
Negeri Sembilan	4.1	3.1	1.8	2.7	1.2	2.0	2.7
Pahang	3.1	3.3	1.0	1.6	0.6	2.0	2.9
Pulau Pinang	6.6	5.9	5.0	5.6	3.5	7.2	4.2
Perak	4.4	5.8	3.5	5.3	1.4	5.7	5.7
Perlis	0.4	0.8	0.2	0.2	0.1	0.2	0.7
Selangor	39.4	31.8	46.1	32.6	50.2	22.1	39.4
Terengganu	2.2	2.8	1.3	1.0	0.3	1.7	2.5
Sabah	6.4	8.7	2.0	3.7	2.1	3.1	6.1
Sarawak	4.4	4.9	2.0	3.3	1.6	6.5	4.8
W.P. Kuala Lumpur	6.8	9.4	26.8	25.0	21.7	28.4	10.3
W.P. Labuan	0.4	0.3	0.1	0.4	0.8	0.2	0.4
W.P. Putrajaya	0.2	0.2	0.5	0.4	0.3	0.6	0.2

Jadual B4.10: Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2024 (samb.)
Table B4.10: Employed persons by state, industry and strata, Malaysia, 2024 (cont'd)

Bandar/Urban Negeri State	Pentadbiran awam dan pertahanan <i>Public administration and defence</i>	Pendidikan <i>Education</i>	Kesihatan kemanusiaan dan kerja sosial <i>Human health and social work</i>	Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	Perkhidmatan lain <i>Other service</i>	Aktiviti isi rumah sebagai majikan <i>Activities of households as employers</i>
Jumlah ('000) <i>Total</i>	695.4	836.2	576.1	61.0	236.8	95.0
Johor	47.8	105.7	78.9	5.6	21.1	13.5
Kedah	44.4	59.5	31.4	1.0	9.6	1.6
Kelantan	27.5	28.3	18.8	2.0	4.2	1.0
Melaka	31.2	40.3	21.9	2.7	5.9	1.5
Negeri Sembilan	27.1	36.4	20.1	2.9	6.5	1.6
Pahang	35.2	32.8	22.8	2.0	6.6	0.6
Pulau Pinang	30.3	48.2	34.2	3.6	11.7	4.0
Perak	57.7	87.1	41.0	3.9	8.6	7.5
Perlis	8.4	7.6	5.3	0.5	1.0	-
Selangor	155.6	171.9	155.9	17.1	114.4	21.9
Terengganu	21.3	26.3	16.7	2.0	3.8	1.4
Sabah	73.9	60.0	34.7	3.7	12.1	18.5
Sarawak	68.3	62.1	31.0	3.9	10.9	2.1
W.P. Kuala Lumpur	29.9	62.6	58.4	9.7	19.9	19.4
W.P. Labuan	4.0	2.7	1.9	0.3	0.4	0.4
W.P. Putrajaya	32.8	4.7	3.2	0.2	0.1	0.1
Jumlah (%) <i>Total</i>	100.0	100.0	100.0	100.0	100.0	100.0
Johor	6.9	12.6	13.7	9.2	8.9	14.2
Kedah	6.4	7.1	5.5	1.6	4.1	1.7
Kelantan	3.9	3.4	3.3	3.2	1.8	1.0
Melaka	4.5	4.8	3.8	4.4	2.5	1.6
Negeri Sembilan	3.9	4.4	3.5	4.8	2.7	1.6
Pahang	5.1	3.9	4.0	3.2	2.8	0.6
Pulau Pinang	4.4	5.8	5.9	5.9	4.9	4.2
Perak	8.3	10.4	7.1	6.3	3.6	7.9
Perlis	1.2	0.9	0.9	0.8	0.4	0.0
Selangor	22.4	20.6	27.1	28.0	48.3	23.1
Terengganu	3.1	3.1	2.9	3.3	1.6	1.5
Sabah	10.6	7.2	6.0	6.0	5.1	19.4
Sarawak	9.8	7.4	5.4	6.4	4.6	2.2
W.P. Kuala Lumpur	4.3	7.5	10.1	16.0	8.4	20.4
W.P. Labuan	0.6	0.3	0.3	0.4	0.2	0.4
W.P. Putrajaya	4.7	0.6	0.6	0.3	0.0	0.1

Jadual B4.10: Penduduk bekerja mengikut negeri, industri dan strata, Malaysia, 2024 (samb.)

Table B4.10: Employed persons by state, industry and strata, Malaysia, 2024 (cont'd)

Luar bandar/Rural Negeri State	Jumlah ¹ Total	Pertanian Agriculture	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 Wholesale and retail trade
Jumlah ('000) Total	3,622.2	1,086.0	14.1	509.1	19.0	18.0	261.2	523.7
Johor	436.8	83.2	0.7	96.2	2.4	3.4	28.9	86.6
Kedah	280.6	56.6	0.3	56.3	1.3	2.3	17.1	50.9
Kelantan	348.5	40.3	0.8	35.3	1.0	0.5	47.2	69.0
Melaka	43.0	8.8	0.1	8.7	0.2	0.3	4.3	8.1
Negeri Sembilan	155.0	37.8	0.2	20.4	0.7	1.3	9.8	17.9
Pahang	359.3	119.2	0.5	49.9	1.8	2.7	18.0	44.0
Pulau Pinang	54.5	4.0	0.1	16.8	0.2	0.2	2.6	6.8
Perak	318.4	96.0	3.3	53.4	1.2	1.1	15.1	56.9
Perlis	54.1	8.1	0.0	5.8	0.1	0.6	3.9	6.9
Selangor	152.2	26.7	0.7	24.9	0.6	0.9	10.4	20.5
Terengganu	157.7	28.9	1.6	12.8	1.0	1.6	23.3	21.4
Sabah	765.1	353.8	1.9	89.6	4.5	2.1	35.6	85.3
Sarawak	492.2	222.2	3.7	38.7	4.1	1.0	44.1	48.9
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.7	0.5	0.2	0.4	-	0.0	0.8	0.6
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	12.1	7.7	5.0	18.9	12.6	18.9	11.1	16.5
Kedah	7.7	5.2	2.1	11.1	6.8	12.8	6.5	9.7
Kelantan	9.6	3.7	5.7	6.9	5.3	2.8	18.1	13.2
Melaka	1.2	0.8	0.7	1.7	1.1	1.7	1.6	1.5
Negeri Sembilan	4.3	3.5	1.4	4.0	3.7	7.2	3.8	3.4
Pahang	9.9	11.0	3.5	9.8	9.5	15.0	6.9	8.4
Pulau Pinang	1.5	0.4	0.7	3.3	1.1	1.1	1.0	1.3
Perak	8.8	8.8	23.4	10.5	6.3	6.1	5.8	10.9
Perlis	1.5	0.7	0.0	1.1	0.5	3.3	1.5	1.3
Selangor	4.2	2.5	5.0	4.9	3.2	5.0	4.0	3.9
Terengganu	4.4	2.7	11.3	2.5	5.3	8.9	8.9	4.1
Sabah	21.1	32.6	13.5	17.6	23.7	11.7	13.6	16.3
Sarawak	13.6	20.5	26.2	7.6	21.6	5.6	16.9	9.3
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.1	0.0	1.4	0.1	-	0.0	0.3	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, 2024 (samb.)

Table B4.10: Employed persons by state, industry and strata, Malaysia, 2024 (cont'd)

Luar bandar/Rural Negeri State	Pengangkutan dan penyimpanan Transportation and storage	Makanan & minuman dan penginapan Food & beverages and accommodation	Maklumat dan komunikasi Information and communication	"Kewangan dan insurans Finance and insurance"	Hartanah Real estate	Profesional, saintifik dan teknikal Professional, scientific and technical	Pentadbiran dan khidmat sokongan Administrative and support service
Jumlah ('000) Total	118.4	270.2	25.9	34.6	3.1	26.2	191.1
Johor	12.9	29.2	3.5	5	0.6	3.8	27
Kedah	8.8	23.4	2.6	2.7	0.3	2	15.4
Kelantan	16.1	36.3	3.1	5.7	-	3.5	23.1
Melaka	1.9	3.1	-	0.5	-	0.2	2.1
Negeri Sembilan	5.9	13.7	1.7	1.4	0.6	1.1	11.7
Pahang	14.5	24.6	2.4	3.7	0.1	3.2	17.3
Pulau Pinang	3.5	5.8	0.2	0.8	0.3	0.8	3.2
Perak	7	21.6	2.3	2	0.4	1.9	16
Perlis	1.7	7.5	0.1	0.3	-	0.3	4.3
Selangor	10.6	13.6	2.5	3.2	-	2.4	10.3
Terengganu	6.2	15.7	1.9	1.5	-	1.4	10.9
Sabah	17.6	48.8	4	5.8	0.4	2.5	28.5
Sarawak	11.5	26.2	1.7	2	0.3	3	21
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.3	0.8	0	-	0.1	0	0.3
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	10.9	10.8	13.6	14.6	20.5	14.6	14.1
Kedah	7.4	8.7	10.0	7.8	8.8	7.6	8.1
Kelantan	13.6	13.4	11.8	16.4	-	13.5	12.1
Melaka	1.6	1.1	-	1.4	-	0.7	1.1
Negeri Sembilan	5.0	5.1	6.4	4.0	19.5	4.3	6.1
Pahang	12.3	9.1	9.3	10.8	2.6	12.3	9.1
Pulau Pinang	2.9	2.1	0.8	2.3	9.1	3.1	1.7
Perak	5.9	8.0	8.8	5.7	13.5	7.2	8.4
Perlis	1.4	2.8	0.4	0.9	-	1.3	2.2
Selangor	8.9	5.0	9.6	9.4	-	9.2	5.4
Terengganu	5.2	5.8	7.4	4.3	-	5.2	5.7
Sabah	14.9	18.0	15.3	16.7	13.5	9.6	14.9
Sarawak	9.7	9.7	6.5	5.9	8.8	11.4	11.0
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.3	0.1	-	3.7	0.1	0.2
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, 2024 (samb.)
Table B4.10: Employed persons by state, industry and strata, Malaysia, 2024 (cont'd)

Luar bandar/Rural Negeri State	Pentadbiran awam dan pertahanan Public administration and defence	Pendidikan Education	Kesihatan kemanusiaan dan kerja sosial Human health and social work	Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	Perkhidmatan lain Other service	Aktiviti isi rumah sebagai majikan Activities of households as employers
Jumlah ('000) <i>Total</i>	159.0	206.3	107.4	12.5	27.7	8.7
Johor	11.3	22.2	13.7	0.9	5.1	0.2
Kedah	14.2	12.6	10.5	0.7	2.4	0.4
Kelantan	16.1	28.2	18.1	1.8	2.4	0.1
Melaka	1.5	2.0	1.3	0.1	0.1	-
Negeri Sembilan	10.6	11.5	6.7	0.3	1.5	0.1
Pahang	22.8	21.2	8.5	1.4	1.9	1.6
Pulau Pinang	2.7	3.9	2.0	0.2	0.5	-
Perak	11.6	18.3	7.3	1.0	1.7	0.4
Perlis	5.6	5.9	2.1	0.2	0.4	0.3
Selangor	4.9	11.7	6.6	0.4	1.2	0.0
Terengganu	11.0	10.8	4.8	1.1	1.7	-
Sabah	23.8	31.0	16.5	2.3	6.1	5.1
Sarawak	22.7	26.7	9.4	2.0	2.5	0.4
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.2	0.3	0.1	0.0	0.0	0.0
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	7.1	10.8	12.8	7.0	18.6	2.1
Kedah	8.9	6.1	9.8	5.3	8.7	4.9
Kelantan	10.1	13.7	16.8	14.7	8.8	1.1
Melaka	0.9	1.0	1.2	1.1	0.3	-
Negeri Sembilan	6.7	5.6	6.2	2.6	5.4	1.3
Pahang	14.4	10.3	7.9	11.2	6.8	18.0
Pulau Pinang	1.7	1.9	1.8	1.8	1.9	-
Perak	7.3	8.8	6.8	8.0	6.2	4.6
Perlis	3.5	2.8	2.0	1.6	1.4	3.9
Selangor	3.1	5.7	6.1	3.3	4.5	0.2
Terengganu	6.9	5.2	4.5	8.9	6.3	-
Sabah	15.0	15.0	15.3	18.0	22.0	58.9
Sarawak	14.3	13.0	8.8	16.1	9.1	4.7
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.1	0.2	0.1	0.2	0.1	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, 2024
Table B4.11: Employed persons by state and status in employment, Malaysia, 2024

Negeri State	Jumlah Total	Majikan Employer	Pekerja Employee	Bekerja sendiri Own account worker	Pekerja keluarga tanpa gaji Unpaid family worker
Jumlah ('000) Total	16,369.4	609.8	12,857.5	2,516.4	385.6
Johor	2,076.5	59.7	1,679.2	303.4	34.1
Kedah	956.5	20.6	682.9	227.3	25.6
Kelantan	680.7	15.0	458.4	181.1	26.1
Melaka	517.0	17.3	430.4	63.4	5.9
Negeri Sembilan	549.5	18.9	432.7	83.1	14.8
Pahang	742.2	19.7	549.8	158.0	14.7
Pulau Pinang	931.2	37.2	784.9	102.8	6.2
Perak	1,136.2	44.5	875.3	203.2	13.3
Perlis	127.7	7.9	89.0	28.2	2.6
Selangor	3,990.2	220.2	3,196.3	464.7	109.0
Terengganu	479.0	11.5	346.7	107.1	13.7
Sabah	1,717.4	37.5	1,312.2	317.1	50.7
Sarawak	1,207.9	30.4	915.4	197.1	64.9
W.P. Kuala Lumpur	1,153.5	68.0	1,009.8	71.9	3.8
W.P. Labuan	44.4	1.1	38.4	4.8	0.1
W.P. Putrajaya	59.6	0.3	56.0	3.2	0.1
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	12.7	9.8	13.1	12.1	8.9
Kedah	5.8	3.4	5.3	9.0	6.7
Kelantan	4.2	2.5	3.6	7.2	6.8
Melaka	3.2	2.8	3.3	2.5	1.5
Negeri Sembilan	3.4	3.1	3.4	3.3	3.8
Pahang	4.5	3.2	4.3	6.3	3.8
Pulau Pinang	5.7	6.1	6.1	4.1	1.6
Perak	6.9	7.3	6.8	8.1	3.4
Perlis	0.8	1.3	0.7	1.1	0.7
Selangor	24.4	36.1	24.9	18.5	28.3
Terengganu	2.9	1.9	2.7	4.3	3.5
Sabah	10.5	6.1	10.2	12.6	13.1
Sarawak	7.4	5.0	7.1	7.8	16.8
W.P. Kuala Lumpur	7.0	11.1	7.9	2.9	1.0
W.P. Labuan	0.3	0.2	0.3	0.2	0.0
W.P. Putrajaya	0.4	0.1	0.4	0.1	0.0

Jadual B4.12: Penduduk bekerja mengikut negeri, taraf pekerjaan dan jantina, Malaysia, 2024
Table B4.12: Employed persons by state, status in employment and sex, Malaysia, 2024

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	10,257.1	466.8	7,838.5	1,787.3	164.5
Johor	1,414.2	43.9	1,156.3	200.9	13.1
Kedah	609.7	15.6	414.2	170.9	8.9
Kelantan	426.7	11.4	282.3	123.5	9.6
Melaka	319.1	13.1	263.5	41.2	1.3
Negeri Sembilan	347.3	14.4	268.7	60.1	4.1
Pahang	498.5	16.3	363.1	114.7	4.4
Pulau Pinang	569.8	29.0	475.5	61.8	3.5
Perak	736.8	33.7	553.0	145.3	4.8
Perlis	79.7	5.8	53.3	19.8	0.8
Selangor	2,336.1	166.6	1,753.0	350.2	66.2
Terengganu	319.5	8.9	227.7	78.3	4.6
Sabah	1,081.7	28.2	794.5	241.4	17.6
Sarawak	769.9	22.1	602.6	121.2	24.0
W.P. Kuala Lumpur	691.3	56.9	580.5	52.4	1.5
W.P. Labuan	27.9	0.8	23.5	3.5	0.0
W.P. Putrajaya	29.0	0.2	26.7	2.1	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	13.8	9.4	14.8	11.2	7.9
Kedah	5.9	3.3	5.3	9.6	5.4
Kelantan	4.2	2.4	3.6	6.9	5.8
Melaka	3.1	2.8	3.4	2.3	0.8
Negeri Sembilan	3.4	3.1	3.4	3.4	2.5
Pahang	4.9	3.5	4.6	6.4	2.7
Pulau Pinang	5.6	6.2	6.1	3.5	2.1
Perak	7.2	7.2	7.1	8.1	2.9
Perlis	0.8	1.2	0.7	1.1	0.5
Selangor	22.8	35.7	22.4	19.6	40.3
Terengganu	3.1	1.9	2.9	4.4	2.8
Sabah	10.5	6.0	10.1	13.5	10.7
Sarawak	7.5	4.7	7.7	6.8	14.6
W.P. Kuala Lumpur	6.7	12.2	7.4	2.9	0.9
W.P. Labuan	0.3	0.2	0.3	0.2	0.0
W.P. Putrajaya	0.3	0.1	0.3	0.1	-

Jadual B4.12: Penduduk bekerja mengikut negeri, taraf pekerjaan dan jantina, Malaysia, 2024 (samb.)

Table B4.12: Employed persons by state, status in employment and sex, Malaysia, 2024 (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	6,112.3	143.0	5,019.0	729.1	221.2
Johor	662.3	15.8	522.9	102.5	21.1
Kedah	346.8	5.0	268.7	56.4	16.7
Kelantan	253.9	3.6	176.1	57.7	16.5
Melaka	197.9	4.2	166.9	22.1	4.6
Negeri Sembilan	202.2	4.5	164.0	23.0	10.6
Pahang	243.7	3.4	186.8	43.3	10.3
Pulau Pinang	361.4	8.2	309.4	41.0	2.8
Perak	399.4	10.8	322.3	57.8	8.5
Perlis	48.0	2.1	35.7	8.4	1.8
Selangor	1,654.1	53.6	1,443.3	114.4	42.8
Terengganu	159.5	2.6	119.0	28.8	9.1
Sabah	635.7	9.2	517.7	75.7	33.1
Sarawak	438.0	8.3	312.8	76.0	40.9
W.P. Kuala Lumpur	462.1	11.1	429.3	19.6	2.3
W.P. Labuan	16.5	0.3	14.9	1.2	0.1
W.P. Putrajaya	30.5	0.1	29.3	1.2	0.1
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	10.8	11.1	10.4	14.1	9.5
Kedah	5.7	3.5	5.4	7.7	7.6
Kelantan	4.2	2.5	3.5	7.9	7.5
Melaka	3.2	2.9	3.3	3.0	2.1
Negeri Sembilan	3.3	3.2	3.3	3.2	4.8
Pahang	4.0	2.4	3.7	5.9	4.7
Pulau Pinang	5.9	5.7	6.2	5.6	1.3
Perak	6.5	7.6	6.4	7.9	3.8
Perlis	0.8	1.5	0.7	1.2	0.8
Selangor	27.1	37.5	28.8	15.7	19.4
Terengganu	2.6	1.8	2.4	3.9	4.1
Sabah	10.4	6.4	10.3	10.4	15.0
Sarawak	7.2	5.8	6.2	10.4	18.5
W.P. Kuala Lumpur	7.6	7.8	8.6	2.7	1.0
W.P. Labuan	0.3	0.2	0.3	0.2	0.0
W.P. Putrajaya	0.5	0.1	0.6	0.2	0.0

Jadual B4.13: Penduduk bekerja mengikut negeri, taraf pekerjaan dan strata, Malaysia, 2024

Table B4.13: Employed persons by state, status in employment and strata, Malaysia, 2024

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	12,747.2	552.7	10,278.6	1,675.6	240.3
Johor	1,639.7	49.9	1,336.1	227.3	26.3
Kedah	675.8	15.6	506.3	138.9	15.1
Kelantan	332.2	10.0	236.5	73.0	12.7
Melaka	474.0	16.2	396.3	55.8	5.7
Negeri Sembilan	394.4	15.2	317.4	52.7	9.2
Pahang	382.9	13.5	294.6	66.8	8.1
Pulau Pinang	876.6	36.1	740.6	94.7	5.2
Perak	817.8	38.9	644.3	125.8	8.8
Perlis	73.6	5.1	52.7	14.4	1.5
Selangor	3,838.0	216.5	3,081.6	432.9	107.0
Terengganu	321.3	9.4	234.0	69.1	8.8
Sabah	952.3	30.2	743.5	158.2	20.4
Sarawak	715.7	26.7	594.0	87.4	7.6
W.P. Kuala Lumpur	1,153.5	68.0	1,009.8	71.9	3.8
W.P. Labuan	39.7	1.1	34.9	3.5	0.1
W.P. Putrajaya	59.6	0.3	56.0	3.2	0.1
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	12.9	9.0	13.0	13.6	11.0
Kedah	5.3	2.8	4.9	8.3	6.3
Kelantan	2.6	1.8	2.3	4.4	5.3
Melaka	3.7	2.9	3.9	3.3	2.4
Negeri Sembilan	3.1	2.7	3.1	3.1	3.8
Pahang	3.0	2.4	2.9	4.0	3.4
Pulau Pinang	6.9	6.5	7.2	5.7	2.2
Perak	6.4	7.0	6.3	7.5	3.7
Perlis	0.6	0.9	0.5	0.9	0.6
Selangor	30.1	39.2	30.0	25.8	44.5
Terengganu	2.5	1.7	2.3	4.1	3.7
Sabah	7.5	5.5	7.2	9.4	8.5
Sarawak	5.6	4.8	5.8	5.2	3.2
W.P. Kuala Lumpur	9.0	12.3	9.8	4.3	1.6
W.P. Labuan	0.3	0.2	0.3	0.2	0.0
W.P. Putrajaya	0.5	0.1	0.5	0.2	0.0

Jadual B4.13: Penduduk bekerja mengikut negeri, taraf pekerjaan dan strata, Malaysia, 2024 (samb.)

Table B4.13: Employed persons by state, status in employment and strata, Malaysia, 2024 (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	3,622.2	57.1	2,578.9	840.8	145.3
Johor	436.8	9.8	343.1	76.1	7.8
Kedah	280.6	5.0	176.6	88.4	10.6
Kelantan	348.5	5.0	221.9	108.1	13.5
Melaka	43.0	1.1	34.1	7.6	0.3
Negeri Sembilan	155.0	3.7	115.3	30.4	5.6
Pahang	359.3	6.2	255.3	91.2	6.6
Pulau Pinang	54.5	1.1	44.3	8.1	1.0
Perak	318.4	5.6	231.0	77.4	4.4
Perlis	54.1	2.8	36.3	13.9	1.1
Selangor	152.2	3.7	114.7	31.8	2.0
Terengganu	157.7	2.1	112.7	38.0	4.9
Sabah	765.1	7.3	568.7	158.9	30.2
Sarawak	492.2	3.8	321.4	109.7	57.3
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.7	-	3.5	1.2	-
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	12.1	17.2	13.3	9.1	5.4
Kedah	7.7	8.8	6.8	10.5	7.3
Kelantan	9.6	8.8	8.6	12.9	9.3
Melaka	1.2	1.9	1.3	0.9	0.2
Negeri Sembilan	4.3	6.5	4.5	3.6	3.8
Pahang	9.9	10.9	9.9	10.8	4.5
Pulau Pinang	1.5	2.0	1.7	1.0	0.7
Perak	8.8	9.7	9.0	9.2	3.0
Perlis	1.5	4.9	1.4	1.6	0.8
Selangor	4.2	6.4	4.4	3.8	1.4
Terengganu	4.4	3.6	4.4	4.5	3.4
Sabah	21.1	12.7	22.1	18.9	20.8
Sarawak	13.6	6.6	12.5	13.0	39.4
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.1	-	0.1	0.1	-
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.14: Penduduk bekerja mengikut negeri dan pencapaian pendidikan, Malaysia, 2024

Table B4.14: Employed persons by state and educational attainment, Malaysia, 2024

Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	16,369.4	356.4	1,344.6	8,950.6	5,717.7
Johor	2,076.5	16.2	154.0	1,305.5	600.9
Kedah	956.5	14.6	72.8	596.8	272.2
Kelantan	680.7	17.8	42.2	408.8	211.9
Melaka	517.0	2.1	21.0	327.7	166.3
Negeri Sembilan	549.5	9.0	39.0	315.0	186.4
Pahang	742.2	12.7	68.0	475.0	186.6
Pulau Pinang	931.2	5.8	45.3	506.1	373.9
Perak	1,136.2	16.8	153.5	654.7	311.2
Perlis	127.7	2.0	6.6	77.5	41.6
Selangor	3,990.2	14.9	81.6	1,947.5	1,946.2
Terengganu	479.0	10.5	28.1	289.3	150.9
Sabah	1,717.4	193.7	433.6	791.8	298.3
Sarawak	1,207.9	30.9	159.0	725.9	292.1
W.P. Kuala Lumpur	1,153.5	5.9	34.4	491.4	621.7
W.P. Labuan	44.4	3.5	4.0	21.9	15.0
W.P. Putrajaya	59.6	-	1.4	15.6	42.5
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	12.7	4.5	11.5	14.6	10.5
Kedah	5.8	4.1	5.4	6.7	4.8
Kelantan	4.2	5.0	3.1	4.6	3.7
Melaka	3.2	0.6	1.6	3.7	2.9
Negeri Sembilan	3.4	2.5	2.9	3.5	3.3
Pahang	4.5	3.6	5.1	5.3	3.3
Pulau Pinang	5.7	1.6	3.4	5.7	6.5
Perak	6.9	4.7	11.4	7.3	5.4
Perlis	0.8	0.6	0.5	0.9	0.7
Selangor	24.4	4.2	6.1	21.8	34.0
Terengganu	2.9	3.0	2.1	3.2	2.6
Sabah	10.5	54.4	32.2	8.8	5.2
Sarawak	7.4	8.7	11.8	8.1	5.1
W.P. Kuala Lumpur	7.0	1.7	2.6	5.5	10.9
W.P. Labuan	0.3	1.0	0.3	0.2	0.3
W.P. Putrajaya	0.4	-	0.1	0.2	0.7

Jadual B4.15: Penduduk bekerja mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2024
Table B4.15: Employed persons by state, educational attainment and sex, Malaysia, 2024

Lelaki/Male					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	10,257.1	235.5	1,006.8	6,018.6	2,996.2
Johor	1,414.2	15.0	134.4	919.5	345.2
Kedah	609.7	11.7	56.4	409.7	131.8
Kelantan	426.7	15.3	31.2	273.1	107.1
Melaka	319.1	1.3	14.8	222.7	80.3
Negeri Sembilan	347.3	6.7	31.3	215.8	93.5
Pahang	498.5	7.5	54.5	339.5	96.9
Pulau Pinang	569.8	4.7	37.3	319.6	208.2
Perak	736.8	15.1	135.6	430.8	155.3
Perlis	79.7	1.8	3.6	53.5	20.8
Selangor	2,336.1	9.8	55.3	1,278.5	992.5
Terengganu	319.5	9.6	22.0	208.8	79.2
Sabah	1,081.7	113.1	290.4	519.5	158.7
Sarawak	769.9	16.2	109.9	486.4	157.4
W.P. Kuala Lumpur	691.3	5.1	26.1	317.9	342.3
W.P. Labuan	27.9	2.5	2.9	14.2	8.3
W.P. Putrajaya	29.0	-	1.1	9.1	18.8
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	13.8	6.4	13.4	15.3	11.5
Kedah	5.9	5.0	5.6	6.8	4.4
Kelantan	4.2	6.5	3.1	4.5	3.6
Melaka	3.1	0.5	1.5	3.7	2.7
Negeri Sembilan	3.4	2.9	3.1	3.6	3.1
Pahang	4.9	3.2	5.4	5.6	3.2
Pulau Pinang	5.6	2.0	3.7	5.3	6.9
Perak	7.2	6.4	13.5	7.2	5.2
Perlis	0.8	0.8	0.4	0.9	0.7
Selangor	22.8	4.2	5.5	21.2	33.1
Terengganu	3.1	4.1	2.2	3.5	2.6
Sabah	10.5	48.0	28.8	8.6	5.3
Sarawak	7.5	6.9	10.9	8.1	5.3
W.P. Kuala Lumpur	6.7	2.1	2.6	5.3	11.4
W.P. Labuan	0.3	1.1	0.3	0.2	0.3
W.P. Putrajaya	0.3	-	0.1	0.2	0.6

Jadual B4.15: Penduduk bekerja mengikut negeri, pencapaian pendidikan dan jantina, Malaysia, 2024 (samb.)
Table B4.15: Employed persons by state, educational attainment and sex, Malaysia, 2024 (cont'd)

Perempuan/Female					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	6,112.3	121.0	337.8	2,932.0	2,721.5
Johor	662.3	1.1	19.6	385.9	255.7
Kedah	346.8	2.9	16.4	187.1	140.4
Kelantan	253.9	2.5	11.0	135.7	104.8
Melaka	197.9	0.8	6.2	104.9	85.9
Negeri Sembilan	202.2	2.3	7.8	99.2	92.9
Pahang	243.7	5.1	13.5	135.5	89.7
Pulau Pinang	361.4	1.1	8.0	186.6	165.7
Perak	399.4	1.7	17.9	223.8	156.0
Perlis	48.0	0.2	3.0	23.9	20.8
Selangor	1,654.1	5.1	26.3	669.1	953.7
Terengganu	159.5	0.9	6.2	80.6	71.8
Sabah	635.7	80.6	143.2	272.3	139.6
Sarawak	438.0	14.6	49.1	239.5	134.7
W.P. Kuala Lumpur	462.1	0.9	8.3	173.5	279.4
W.P. Labuan	16.5	1.0	1.1	7.7	6.7
W.P. Putrajaya	30.5	-	0.3	6.6	23.7
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	10.8	0.9	5.8	13.2	9.4
Kedah	5.7	2.4	4.9	6.4	5.2
Kelantan	4.2	2.0	3.2	4.6	3.9
Melaka	3.2	0.7	1.8	3.6	3.2
Negeri Sembilan	3.3	1.9	2.3	3.4	3.4
Pahang	4.0	4.2	4.0	4.6	3.3
Pulau Pinang	5.9	0.9	2.4	6.4	6.1
Perak	6.5	1.4	5.3	7.6	5.7
Perlis	0.8	0.2	0.9	0.8	0.8
Selangor	27.1	4.2	7.8	22.8	35.0
Terengganu	2.6	0.8	1.8	2.7	2.6
Sabah	10.4	66.7	42.4	9.3	5.1
Sarawak	7.2	12.1	14.5	8.2	4.9
W.P. Kuala Lumpur	7.6	0.7	2.4	5.9	10.3
W.P. Labuan	0.3	0.8	0.3	0.3	0.2
W.P. Putrajaya	0.5	-	0.1	0.2	0.9

Jadual B4.16: Penduduk bekerja mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2024

Table B4.16: Employed persons by state, educational attainment and strata, Malaysia, 2024

Bandar/Urban					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	12,747.2	214.1	670.7	6,801.5	5,060.9
Johor	1,639.7	13.4	93.3	1,020.6	512.4
Kedah	675.8	10.2	43.3	399.3	223.0
Kelantan	332.2	6.8	16.8	193.2	115.3
Melaka	474.0	1.5	15.7	298.6	158.2
Negeri Sembilan	394.4	3.1	19.3	226.5	145.5
Pahang	382.9	1.9	15.9	240.3	124.8
Pulau Pinang	876.6	5.4	41.6	472.1	357.6
Perak	817.8	11.7	72.2	471.6	262.3
Perlis	73.6	0.4	3.5	43.5	26.3
Selangor	3,838.0	13.6	63.0	1,854.7	1,906.7
Terengganu	321.3	7.7	13.5	185.4	114.8
Sabah	952.3	122.2	184.1	435.9	210.1
Sarawak	715.7	7.5	50.4	432.5	225.4
W.P. Kuala Lumpur	1,153.5	5.9	34.4	491.4	621.7
W.P. Labuan	39.7	2.7	2.2	20.5	14.3
W.P. Putrajaya	59.6	-	1.4	15.6	42.5
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0
Johor	12.9	6.3	13.9	15.0	10.1
Kedah	5.3	4.8	6.5	5.9	4.4
Kelantan	2.6	3.2	2.5	2.8	2.3
Melaka	3.7	0.7	2.3	4.4	3.1
Negeri Sembilan	3.1	1.4	2.9	3.3	2.9
Pahang	3.0	0.9	2.4	3.5	2.5
Pulau Pinang	6.9	2.5	6.2	6.9	7.1
Perak	6.4	5.5	10.8	6.9	5.2
Perlis	0.6	0.2	0.5	0.6	0.5
Selangor	30.1	6.3	9.4	27.3	37.7
Terengganu	2.5	3.6	2.0	2.7	2.3
Sabah	7.5	57.1	27.5	6.4	4.2
Sarawak	5.6	3.5	7.5	6.4	4.5
W.P. Kuala Lumpur	9.0	2.8	5.1	7.2	12.3
W.P. Labuan	0.3	1.3	0.3	0.3	0.3
W.P. Putrajaya	0.5	-	0.2	0.2	0.8

Jadual B4.16: Penduduk bekerja mengikut negeri, pencapaian pendidikan dan strata, Malaysia, 2024 (samb.)
Table B4.16: Employed persons by state, educational attainment and strata, Malaysia, 2024 (cont'd)

Luar bandar/Rural					
Negeri State	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total	3,622.2	142.3	673.9	2,149.1	656.8
Johor	436.8	2.7	60.7	284.9	88.5
Kedah	280.6	4.4	29.5	197.6	49.2
Kelantan	348.5	11.0	25.4	215.6	96.6
Melaka	43.0	0.6	5.3	29.1	8.1
Negeri Sembilan	155.0	5.9	19.7	88.5	40.9
Pahang	359.3	10.7	52.1	234.7	61.8
Pulau Pinang	54.5	0.4	3.7	34.1	16.3
Perak	318.4	5.1	81.2	183.1	48.9
Perlis	54.1	1.6	3.2	34.0	15.3
Selangor	152.2	1.4	18.6	92.8	39.4
Terengganu	157.7	2.9	14.7	104.0	36.2
Sabah	765.1	71.5	249.5	355.9	88.2
Sarawak	492.2	23.4	108.6	293.4	66.7
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	4.7	0.8	1.8	1.5	0.8
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	12.1	1.9	9.0	13.3	13.5
Kedah	7.7	3.1	4.4	9.2	7.5
Kelantan	9.6	7.7	3.8	10.0	14.7
Melaka	1.2	0.4	0.8	1.4	1.2
Negeri Sembilan	4.3	4.1	2.9	4.1	6.2
Pahang	9.9	7.5	7.7	10.9	9.4
Pulau Pinang	1.5	0.3	0.6	1.6	2.5
Perak	8.8	3.6	12.1	8.5	7.5
Perlis	1.5	1.2	0.5	1.6	2.3
Selangor	4.2	1.0	2.8	4.3	6.0
Terengganu	4.4	2.0	2.2	4.8	5.5
Sabah	21.1	50.2	37.0	16.6	13.4
Sarawak	13.6	16.4	16.1	13.7	10.2
W.P. Kuala Lumpur	n.a.	n.a.	n.a.	n.a.	n.a.
W.P. Labuan	0.1	0.5	0.3	0.1	0.1
W.P. Putrajaya	n.a.	n.a.	n.a.	n.a.	n.a.

Jadual B4.17: Penduduk bekerja mengikut negeri dan sijil tertinggi diperoleh, Malaysia, 2024
Table B4.17: Employed persons by state and highest certificate obtained, Malaysia, 2024

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	16,369.4	1,099.0	1,429.2	7,296.0	566.9	477.7	1,851.1	2,744.0	552.5	353.0
Johor	2,076.5	149.3	187.2	1,084.6	58.3	49.8	223.1	265.3	42.9	16.0
Kedah	956.5	70.6	100.7	482.6	28.0	24.1	100.8	116.1	18.9	14.6
Kelantan	680.7	38.4	67.5	328.7	29.2	19.1	67.6	94.5	17.9	17.8
Melaka	517.0	25.7	46.1	272.1	16.1	13.2	66.2	69.6	5.9	2.1
Negeri Sembilan	549.5	41.0	53.9	250.9	9.3	17.3	71.3	87.8	9.0	9.0
Pahang	742.2	59.0	82.2	380.5	17.4	26.5	72.0	69.3	22.7	12.7
Pulau Pinang	931.2	54.2	90.9	390.4	27.3	23.5	111.7	207.6	19.9	5.8
Perak	1,136.2	91.7	99.0	526.9	32.4	33.8	108.7	133.4	93.4	16.8
Perlis	127.7	7.0	13.3	62.1	5.0	4.4	13.6	18.2	2.1	2.0
Selangor	3,990.2	94.4	219.6	1,745.4	207.0	175.3	581.0	935.1	17.4	14.9
Terengganu	479.0	17.1	41.0	244.5	13.9	21.6	59.8	54.4	16.1	10.5
Sabah	1,717.4	257.7	178.2	570.0	52.2	20.9	87.8	132.9	227.3	190.5
Sarawak	1,207.9	159.4	178.4	512.4	48.6	22.5	91.4	127.8	36.6	30.8
W.P. Kuala Lumpur	1,153.5	29.1	66.3	413.7	18.3	21.4	174.5	404.5	19.7	5.9
W.P. Labuan	44.4	3.0	3.8	16.8	1.6	2.1	5.6	5.6	2.5	3.4
W.P. Putrajaya	59.6	1.5	1.2	14.5	2.2	2.3	16.0	21.8	-	-
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	13.6	13.1	14.9	10.3	10.4	12.1	9.7	7.8	4.5
Kedah	5.8	6.4	7.0	6.6	4.9	5.0	5.4	4.2	3.4	4.1
Kelantan	4.2	3.5	4.7	4.5	5.1	4.0	3.7	3.4	3.2	5.0
Melaka	3.2	2.3	3.2	3.7	2.8	2.8	3.6	2.5	1.1	0.6
Negeri Sembilan	3.4	3.7	3.8	3.4	1.6	3.6	3.9	3.2	1.6	2.5
Pahang	4.5	5.4	5.7	5.2	3.1	5.5	3.9	2.5	4.1	3.6
Pulau Pinang	5.7	4.9	6.4	5.4	4.8	4.9	6.0	7.6	3.6	1.7
Perak	6.9	8.3	6.9	7.2	5.7	7.1	5.9	4.9	16.9	4.8
Perlis	0.8	0.6	0.9	0.9	0.9	0.9	0.7	0.7	0.4	0.6
Selangor	24.4	8.6	15.4	23.9	36.5	36.7	31.4	34.1	3.2	4.2
Terengganu	2.9	1.6	2.9	3.4	2.4	4.5	3.2	2.0	2.9	3.0
Sabah	10.5	23.4	12.5	7.8	9.2	4.4	4.7	4.8	41.1	54.0
Sarawak	7.4	14.5	12.5	7.0	8.6	4.7	4.9	4.7	6.6	8.7
W.P. Kuala Lumpur	7.0	2.6	4.6	5.7	3.2	4.5	9.4	14.7	3.6	1.7
W.P. Labuan	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.2	0.4	1.0
W.P. Putrajaya	0.4	0.1	0.1	0.2	0.4	0.5	0.9	0.8	-	-

Jadual B4.18: Penduduk bekerja mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2024
Table B4.18: Employed persons by state, highest certificate obtained and sex, Malaysia, 2024

Lelaki/Male 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	10,257.1	842.6	1,089.5	4,721.7	279.5	332.1	955.1	1,391.3	412.0	233.3
Johor	1,414.2	128.9	159.9	728.2	34.9	39.6	131.6	136.4	39.8	14.8
Kedah	609.7	55.8	81.9	315.9	14.3	17.1	50.2	48.1	14.7	11.7
Kelantan	426.7	29.9	51.8	209.8	15.1	14.2	36.8	40.4	13.5	15.3
Melaka	319.1	19.5	38.7	175.8	7.4	9.6	31.3	31.6	3.9	1.3
Negeri Sembilan	347.3	31.9	40.5	167.3	3.6	13.5	38.7	37.3	7.7	6.7
Pahang	498.5	45.7	68.7	260.7	8.9	20.1	35.4	31.7	19.8	7.5
Pulau Pinang	569.8	46.2	65.7	230.6	13.0	17.6	67.9	107.7	16.4	4.7
Perak	736.8	77.3	74.6	331.4	17.4	25.0	55.8	55.6	84.5	15.1
Perlis	79.7	4.6	10.0	41.5	3.1	3.1	6.9	7.4	1.2	1.8
Selangor	2,336.1	67.4	155.8	1,122.8	90.1	108.3	272.3	498.3	11.3	9.8
Terengganu	319.5	14.2	32.9	171.9	6.4	17.0	33.7	21.3	12.4	9.6
Sabah	1,081.7	183.0	125.5	359.8	27.1	14.2	49.4	66.6	144.9	111.2
Sarawak	769.9	114.7	130.7	327.0	26.6	16.1	47.8	66.0	24.7	16.2
W.P. Kuala Lumpur	691.3	20.1	48.7	260.6	9.9	13.3	86.9	231.4	15.6	5.1
W.P. Labuan	27.9	2.2	2.8	10.4	0.7	1.7	3.4	2.5	1.7	2.5
W.P. Putrajaya	29.0	1.1	1.1	7.9	0.9	1.6	7.2	9.1	-	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	13.8	15.3	14.7	15.4	12.5	11.9	13.8	9.8	9.7	6.4
Kedah	5.9	6.6	7.5	6.7	5.1	5.1	5.3	3.5	3.6	5.0
Kelantan	4.2	3.6	4.8	4.4	5.4	4.3	3.8	2.9	3.3	6.6
Melaka	3.1	2.3	3.6	3.7	2.7	2.9	3.3	2.3	0.9	0.5
Negeri Sembilan	3.4	3.8	3.7	3.5	1.3	4.1	4.1	2.7	1.9	2.9
Pahang	4.9	5.4	6.3	5.5	3.2	6.0	3.7	2.3	4.8	3.2
Pulau Pinang	5.6	5.5	6.0	4.9	4.7	5.3	7.1	7.7	4.0	2.0
Perak	7.2	9.2	6.8	7.0	6.2	7.5	5.8	4.0	20.5	6.5
Perlis	0.8	0.5	0.9	0.9	1.1	0.9	0.7	0.5	0.3	0.8
Selangor	22.8	8.0	14.3	23.8	32.2	32.6	28.5	35.8	2.7	4.2
Terengganu	3.1	1.7	3.0	3.6	2.3	5.1	3.5	1.5	3.0	4.1
Sabah	10.5	21.7	11.5	7.6	9.7	4.3	5.2	4.8	35.2	47.6
Sarawak	7.5	13.6	12.0	6.9	9.5	4.9	5.0	4.7	6.0	7.0
W.P. Kuala Lumpur	6.7	2.4	4.5	5.5	3.5	4.0	9.1	16.6	3.8	2.2
W.P. Labuan	0.3	0.3	0.3	0.2	0.2	0.5	0.4	0.2	0.4	1.1
W.P. Putrajaya	0.3	0.1	0.1	0.2	0.3	0.5	0.8	0.7	-	-

Jadual B4.18: Penduduk bekerja mengikut negeri, sijil tertinggi diperoleh dan jantina, Malaysia, 2024 (samb.)

Table B4.18: Employed persons by state, highest certificate obtained and sex, Malaysia, 2024 (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	6,112.3	256.4	339.8	2,574.3	287.5	145.6	896.0	1,352.7	140.5	119.6
Johor	662.3	20.5	27.2	356.4	23.4	10.2	91.5	128.9	3.1	1.1
Kedah	346.8	14.8	18.8	166.7	13.7	7.0	50.7	68.1	4.2	2.9
Kelantan	253.9	8.5	15.7	118.9	14.1	5.0	30.8	54.1	4.4	2.5
Melaka	197.9	6.1	7.4	96.3	8.7	3.6	34.9	38.0	2.0	0.8
Negeri Sembilan	202.2	9.1	13.3	83.6	5.7	3.7	32.6	50.5	1.3	2.3
Pahang	243.7	13.4	13.5	119.7	8.5	6.4	36.6	37.6	2.9	5.1
Pulau Pinang	361.4	8.0	25.2	159.7	14.3	5.9	43.7	100.0	3.5	1.1
Perak	399.4	14.4	24.4	195.5	14.9	8.8	52.9	77.8	9.0	1.7
Perlis	48.0	2.3	3.3	20.6	1.9	1.2	6.7	10.8	1.0	0.2
Selangor	1,654.1	27.0	63.8	622.6	116.9	67.0	308.8	436.8	6.1	5.1
Terengganu	159.5	3.0	8.1	72.6	7.5	4.5	26.1	33.1	3.7	0.9
Sabah	635.7	74.6	52.7	210.1	25.1	6.7	38.4	66.3	82.4	79.3
Sarawak	438.0	44.7	47.7	185.4	22.1	6.3	43.6	61.8	11.8	14.6
W.P. Kuala Lumpur	462.1	9.0	17.6	153.1	8.4	8.1	87.7	173.1	4.2	0.9
W.P. Labuan	16.5	0.8	1.0	6.4	0.9	0.4	2.2	3.1	0.7	1.0
W.P. Putrajaya	30.5	0.3	0.1	6.6	1.3	0.7	8.8	12.7	-	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	10.8	8.0	8.0	13.8	8.1	7.0	10.2	9.5	2.2	1.0
Kedah	5.7	5.8	5.5	6.5	4.8	4.8	5.7	5.0	3.0	2.4
Kelantan	4.2	3.3	4.6	4.6	4.9	3.4	3.4	4.0	3.1	2.0
Melaka	3.2	2.4	2.2	3.7	3.0	2.5	3.9	2.8	1.4	0.7
Negeri Sembilan	3.3	3.5	3.9	3.2	2.0	2.6	3.6	3.7	1.0	1.9
Pahang	4.0	5.2	4.0	4.7	3.0	4.4	4.1	2.8	2.1	4.3
Pulau Pinang	5.9	3.1	7.4	6.2	5.0	4.0	4.9	7.4	2.5	0.9
Perak	6.5	5.6	7.2	7.6	5.2	6.0	5.9	5.8	6.4	1.5
Perlis	0.8	0.9	1.0	0.8	0.7	0.8	0.7	0.8	0.7	0.2
Selangor	27.1	10.5	18.8	24.2	40.7	46.0	34.5	32.3	4.4	4.3
Terengganu	2.6	1.2	2.4	2.8	2.6	3.1	2.9	2.4	2.6	0.8
Sabah	10.4	29.1	15.5	8.2	8.7	4.6	4.3	4.9	58.7	66.3
Sarawak	7.2	17.4	14.0	7.2	7.7	4.3	4.9	4.6	8.4	12.2
W.P. Kuala Lumpur	7.6	3.5	5.2	5.9	2.9	5.6	9.8	12.8	3.0	0.7
W.P. Labuan	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.5	0.8
W.P. Putrajaya	0.5	0.1	0.0	0.3	0.5	0.5	1.0	0.9	-	-

Jadual B4.19: Penduduk bekerja mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2024
Table B4.19: Employed persons by state, highest certificate obtained and strata, Malaysia, 2024

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	12,747.2	604.1	925.6	5,733.2	467.9	397.1	1,637.0	2,488.5	281.3	212.3
Johor	1,639.7	102.6	129.5	862.9	48.7	38.0	191.0	231.5	22.0	13.4
Kedah	675.8	40.5	56.3	334.3	19.1	16.9	85.1	99.9	13.4	10.2
Kelantan	332.2	15.6	27.6	159.8	12.7	10.2	40.2	51.4	7.8	6.8
Melaka	474.0	19.9	37.8	252.1	15.2	12.1	63.2	66.5	5.5	1.5
Negeri Sembilan	394.4	23.7	36.9	181.8	6.5	12.2	56.5	69.7	4.0	3.1
Pahang	382.9	18.5	29.3	204.9	9.6	17.5	48.2	49.0	4.1	1.9
Pulau Pinang	876.6	49.9	85.4	363.4	26.0	21.6	106.6	199.5	18.7	5.4
Perak	817.8	49.9	62.3	391.1	27.1	26.1	93.2	113.8	42.6	11.7
Perlis	73.6	3.7	6.8	35.4	3.0	2.3	9.3	11.5	1.2	0.4
Selangor	3,838.0	74.0	205.3	1,670.2	202.6	170.0	566.0	920.6	15.6	13.6
Terengganu	321.3	10.9	23.7	159.3	9.8	16.0	46.8	41.2	6.1	7.7
Sabah	952.3	103.5	69.8	342.6	31.1	14.0	62.3	99.9	108.8	120.4
Sarawak	715.7	58.2	83.8	331.4	34.4	14.8	72.7	102.2	10.7	7.5
W.P. Kuala Lumpur	1,153.5	29.1	66.3	413.7	18.3	21.4	174.5	404.5	19.7	5.9
W.P. Labuan	39.7	2.3	3.6	15.7	1.5	2.0	5.3	5.3	1.2	2.7
W.P. Putrajaya	59.6	1.5	1.2	14.5	2.2	2.3	16.0	21.8	-	-
Jumlah (%) Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Johor	12.9	17.0	14.0	15.1	10.4	9.6	11.7	9.3	7.8	6.3
Kedah	5.3	6.7	6.1	5.8	4.1	4.2	5.2	4.0	4.8	4.8
Kelantan	2.6	2.6	3.0	2.8	2.7	2.6	2.5	2.1	2.8	3.2
Melaka	3.7	3.3	4.1	4.4	3.2	3.0	3.9	2.7	2.0	0.7
Negeri Sembilan	3.1	3.9	4.0	3.2	1.4	3.1	3.5	2.8	1.4	1.5
Pahang	3.0	3.1	3.2	3.6	2.1	4.4	2.9	2.0	1.4	0.9
Pulau Pinang	6.9	8.3	9.2	6.3	5.6	5.4	6.5	8.0	6.6	2.6
Perak	6.4	8.3	6.7	6.8	5.8	6.6	5.7	4.6	15.1	5.5
Perlis	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.5	0.4	0.2
Selangor	30.1	12.3	22.2	29.1	43.3	42.8	34.6	37.0	5.5	6.4
Terengganu	2.5	1.8	2.6	2.8	2.1	4.0	2.9	1.7	2.2	3.6
Sabah	7.5	17.1	7.5	6.0	6.6	3.5	3.8	4.0	38.7	56.7
Sarawak	5.6	9.6	9.1	5.8	7.4	3.7	4.4	4.1	3.8	3.5
W.P. Kuala Lumpur	9.0	4.8	7.2	7.2	3.9	5.4	10.7	16.3	7.0	2.8
W.P. Labuan	0.3	0.4	0.4	0.3	0.3	0.5	0.3	0.2	0.4	1.3
W.P. Putrajaya	0.5	0.2	0.1	0.3	0.5	0.6	1.0	0.9	-	-

Jadual B4.19: Penduduk bekerja mengikut negeri, sijil tertinggi diperoleh dan strata, Malaysia, 2024 (samb.)
Table B4.19: Employed persons by state, highest certificate obtained and strata, Malaysia, 2024 (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	3,622.2	494.8	503.6	1,562.8	99.0	80.5	214.1	255.4	271.2	140.7
Johor	436.8	46.7	57.6	221.7	9.6	11.9	32.1	33.8	20.9	2.6
Kedah	280.6	30.1	44.4	148.3	8.9	7.2	15.7	16.2	5.4	4.4
Kelantan	348.5	22.7	39.9	168.9	16.5	8.9	27.4	43.1	10.1	11.0
Melaka	43.0	5.7	8.3	19.9	0.9	1.1	3.0	3.1	0.4	0.6
Negeri Sembilan	155.0	17.3	17.0	69.1	2.8	5.1	14.8	18.0	5.1	5.9
Pahang	359.3	40.5	52.9	175.6	7.8	9.0	23.8	20.3	18.7	10.7
Pulau Pinang	54.5	4.2	5.4	26.9	1.3	1.9	5.0	8.1	1.2	0.4
Perak	318.4	41.8	36.7	135.8	5.3	7.7	15.5	19.6	50.8	5.1
Perlis	54.1	3.3	6.5	26.7	2.0	2.0	4.4	6.7	0.9	1.6
Selangor	152.2	20.4	14.3	75.2	4.4	5.3	15.0	14.5	1.8	1.4
Terengganu	157.7	6.2	17.3	85.3	4.1	5.6	13.0	13.3	10.0	2.9
Sabah	765.1	154.1	108.4	227.3	21.1	7.0	25.5	33.0	118.5	70.1
Sarawak	492.2	101.2	94.6	181.0	14.2	7.7	18.7	25.6	25.9	23.4
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	4.7	0.7	0.2	1.1	0.1	0.1	0.3	0.3	1.3	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	12.1	9.4	11.4	14.2	9.7	14.7	15.0	13.2	7.7	1.8
Kedah	7.7	6.1	8.8	9.5	9.0	9.0	7.3	6.4	2.0	3.1
Kelantan	9.6	4.6	7.9	10.8	16.7	11.1	12.8	16.9	3.7	7.8
Melaka	1.2	1.2	1.7	1.3	0.9	1.4	1.4	1.2	0.1	0.4
Negeri Sembilan	4.3	3.5	3.4	4.4	2.8	6.3	6.9	7.1	1.9	4.2
Pahang	9.9	8.2	10.5	11.2	7.9	11.1	11.1	8.0	6.9	7.6
Pulau Pinang	1.5	0.9	1.1	1.7	1.3	2.4	2.4	3.2	0.4	0.3
Perak	8.8	8.5	7.3	8.7	5.3	9.6	7.2	7.7	18.8	3.6
Perlis	1.5	0.7	1.3	1.7	2.1	2.5	2.0	2.6	0.3	1.2
Selangor	4.2	4.1	2.8	4.8	4.4	6.5	7.0	5.7	0.7	1.0
Terengganu	4.4	1.3	3.4	5.5	4.1	6.9	6.1	5.2	3.7	2.0
Sabah	21.1	31.1	21.5	14.5	21.3	8.7	11.9	12.9	43.7	49.8
Sarawak	13.6	20.4	18.8	11.6	14.3	9.6	8.7	10.0	9.5	16.6
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	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.5	0.5
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

***TIME SERIES
STATISTICAL TABLES***

Jadual C1.1: Perangkaan utama tenaga buruh mengikut jantina, Malaysia, 1982–2024

Table C1.1: Principal statistics of labour force by sex, Malaysia, 1982–2024

Tahun ¹ Year	Kadar penyertaan tenaga buruh Labour force participation rate (%)			Tenaga buruh Labour force (‘000)			Bekerja Employed (‘000)			Penganggur Unemployed (‘000)			Kadar pengangguran Unemployment rate (%)		
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
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

¹ r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C1.1: Perangkaan utama tenaga buruh mengikut jantina, Malaysia, 1982–2024 (samb.)

Table C1.1: Principal statistics of labour force by sex, Malaysia, 1982–2024 (cont'd)

Tahun ¹ Year	Kadar penyertaan tenaga buruh Labour force participation rate			Tenaga buruh Labour force (‘000)			Bekerja Employed (‘000)			Penganggur Unemployed (‘000)			Kadar pengangguran Unemployment rate (%)		
	(%)														
	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female	Jumlah Total	Lelaki Male	Perempuan Female
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^r	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^r	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^r	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
2024	70.6	83.0	56.5	16,903.5	10,584.1	6,319.3	16,369.4	10,257.1	6,112.3	534.1	327.1	207.0	3.2	3.1	3.3

^r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
^r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C1.2: Kadar penyertaan tenaga buruh mengikut jantina dan kumpulan umur, Malaysia, 2020r–2024
Table C1.2: Labour force participation rate by sex and age group, Malaysia, 2020r–2024

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											
2020 ^r	68.4	18.5	62.8	85.5	85.9	84.0	82.7	80.0	73.9	60.7	39.0
2021 ^r	68.6	24.5	65.7	86.4	82.4	84.5	84.8	78.6	70.6	55.5	35.1
2022 ^r	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
2024	70.6	19.6	70.8	86.2	87.2	84.7	86.4	79.8	74.3	59.1	36.0
Lelaki Male											
2020 ^r	80.3	24.6	70.6	92.9	97.1	97.7	96.8	95.9	90.6	79.9	54.9
2021 ^r	80.5	24.5	77.0	91.6	93.5	97.1	97.9	96.6	92.4	79.9	50.5
2022 ^r	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
2024	83.0	25.2	80.0	91.9	98.2	98.9	98.1	97.4	94.4	83.3	49.8
Perempuan Female											
2020 ^r	55.1	11.7	53.7	76.6	73.0	68.4	66.7	63.0	56.3	40.9	22.9
2021 ^r	55.3	24.5	52.7	80.3	69.4	70.3	69.9	59.4	48.3	30.3	19.3
2022 ^r	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
2024	56.5	13.4	59.6	78.9	73.8	68.6	73.1	60.7	53.3	35.1	22.1

^r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
^r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C1.3: Kadar penyertaan tenaga buruh mengikut jantina dan kumpulan etnik, Malaysia, 2020r–2024
Table C1.3: Labour force participation rate by sex and ethnic group, Malaysia, 2020r–2024

Jantina Sex	Warganegara Malaysia <i>Malaysian citizens</i>						Bukan warganegara Malaysia <i>Non-Malaysian citizens</i>
	Jumlah <i>Total</i>	Jumlah <i>Total</i>	Bumiputera	Cina <i>Chinese</i>	India <i>Indians</i>	Lain-lain <i>Others</i>	
Jumlah (%) <i>Total</i>							
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
2024	70.6	68.3	67.4	70.7	69.1	64.4	88.9
Lelaki <i>Male</i>							
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
2024	83.0	80.6	80.8	79.7	81.7	77.4	96.1
Perempuan <i>Female</i>							
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
2024	56.5	55.7	53.8	61.3	56.4	49.6	69.0

^r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
^r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C1.4: Kadar penyertaan tenaga buruh mengikut jantina dan pencapaian pendidikan, Malaysia, 2020^r–2024
Table C1.4: Labour force participation rate by sex and educational attainment, Malaysia, 2020^r–2024

Jantina Sex	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah (%) <i>Total</i>					
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
2024	70.6	60.0	68.2	67.9	77.0
Lelaki <i>Male</i>					
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
2024	83.0	74.6	89.6	82.1	83.7
Perempuan <i>Female</i>					
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
2024	56.5	43.4	40.2	50.3	70.9

^r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
^r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C1.5: Kadar penyertaan tenaga buruh mengikut jantina dan sijil tertinggi diperolehi, Malaysia, 2020r–2024

Table C1.5: Labour force participation rate by sex and highest certificate obtained, Malaysia, 2020r–2024

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 (%) <i>Total</i>										
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
2024	70.6	54.2	45.4	73.9	64.6	89.8	82.9	90.3	66.3	59.9
Lelaki <i>Male</i>										
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
2024	83.0	72.4	61.2	88.7	76.6	93.2	88.1	93.7	85.0	74.6
Perempuan <i>Female</i>										
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
2024	56.5	30.0	25.1	56.7	56.1	82.7	78.0	87.0	40.9	43.2

^r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
^r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C2.1: Tenaga buruh mengikut jantina dan kumpulan umur, Malaysia, 2020r–2024

Table C2.1: *Labour force by sex and age group, Malaysia, 2020r–2024*

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>											
2020^r	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^r	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^r	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
2024	16,903.5	535.6	2,238.4	2,619.9	2,583.3	2,421.3	2,256.9	1,614.1	1,281.2	870.3	482.5
Lelaki <i>Male</i>											
2020^r	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^r	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^r	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
2024	10,584.1	360.9	1,385.8	1,567.2	1,601.0	1,505.0	1,361.1	1,025.8	830.2	612.1	335.0
Perempuan <i>Female</i>											
2020^r	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^r	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^r	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
2024	6,319.3	174.6	852.6	1,052.7	982.3	916.3	895.8	588.3	451.0	258.2	147.5
Jumlah (%) <i>Total</i>											
2020^r	100.0	3.4	11.7	16.0	16.2	14.9	11.8	9.5	7.7	5.7	2.9
2021^r	100.0	4.4	12.2	15.8	15.2	15.1	12.4	9.5	7.3	5.2	2.8
2022^r	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
2024	100.0	3.2	13.2	15.5	15.3	14.3	13.4	9.5	7.6	5.1	2.9
Lelaki <i>Male</i>											
2020^r	100.0	3.8	11.4	15.3	15.9	14.9	11.8	9.5	7.8	6.2	3.4
2021^r	100.0	3.8	12.4	14.7	15.0	14.9	12.3	9.7	7.8	6.2	3.2
2022^r	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
2024	100.0	3.4	13.1	14.8	15.1	14.2	12.9	9.7	7.8	5.8	3.2
Perempuan <i>Female</i>											
2020^r	100.0	2.7	12.2	17.2	16.8	15.0	11.8	9.6	7.5	5.0	2.3
2021^r	100.0	5.5	11.9	17.5	15.6	15.6	12.6	9.1	6.5	3.7	2.0
2022^r	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
2024	100.0	2.8	13.5	16.7	15.5	14.5	14.2	9.3	7.1	4.1	2.3

r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C2.2: Tenaga buruh mengikut jantina dan kumpulan etnik, Malaysia, 2020^r–2024

Table C2.2: Labour force by sex and ethnic group, Malaysia, 2020^r–2024

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							
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
2024	16,903.5	14,472.7	9,890.9	3,489.2	1,003.9	88.7	2,430.7
Lelaki Male							
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
2024	10,584.1	8,648.7	5,985.4	2,008.1	598.4	56.9	1,935.4
Perempuan Female							
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
2024	6,319.3	5,824.0	3,905.5	1,481.1	405.5	31.8	495.4
Jumlah (%) Total							
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
2024	100.0	85.6	58.5	20.6	5.9	0.5	14.4
Lelaki Male							
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
2024	100.0	81.7	56.6	19.0	5.7	0.5	18.3
Perempuan Female							
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
2024	100.0	92.2	61.8	23.4	6.4	0.5	7.8

^r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
^r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C2.3: Tenaga buruh mengikut jantina dan pencapaian pendidikan, Malaysia, 2020r–2024

Table C2.3: *Labour force by sex and educational attainment, Malaysia, 2020r–2024*

Jantina Sex	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000)					
<i>Total</i>					
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
2024	16,903.5	382.9	1,393.9	9,255.1	5,871.6
Lelaki					
<i>Male</i>					
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
2024	10,584.1	253.5	1,036.9	6,213.1	3,080.7
Perempuan					
<i>Female</i>					
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
2024	6,319.3	129.4	357.0	3,042.0	2,790.9
Jumlah (%)					
<i>Total</i>					
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
2024	100.0	2.3	8.2	54.8	34.7
Lelaki					
<i>Male</i>					
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
2024	100.0	2.4	9.8	58.7	29.1
Perempuan					
<i>Female</i>					
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
2024	100.0	2.0	5.6	48.1	44.2

r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C2.4: Tenaga buruh mengikut jantina dan sijil tertinggi diperolehi, Malaysia, 2020r–2024

Table C2.4: *Labour force by sex and highest certificate obtained, Malaysia, 2020r–2024*

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>										
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
2024	16,903.5	1,140.0	1,478.5	7,546.8	587.5	488.4	1,900.0	2,804.3	578.6	379.4
Lelaki <i>Male</i>										
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
2024	10,584.1	869.9	1,121.5	4,877.1	287.8	341.1	981.9	1,426.2	427.2	251.3
Perempuan <i>Female</i>										
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
2024	6,319.3	270.1	357.0	2,669.7	299.6	147.2	918.1	1,378.1	151.4	128.1
Jumlah (%) <i>Total</i>										
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
2024	100.0	6.7	8.7	44.6	3.5	2.9	11.2	16.6	3.4	2.2
Lelaki <i>Male</i>										
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
2024	100.0	8.2	10.6	46.1	2.7	3.2	9.3	13.5	4.0	2.4
Perempuan <i>Female</i>										
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
2024	100.0	4.3	5.6	42.2	4.7	2.3	14.5	21.8	2.4	2.0

^r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
^r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C3.1:
Table C3.1a:

Penduduk bekerja mengikut jantina dan kumpulan umur, Malaysia, 2020r–2024
Employed persons by sex and age group, Malaysia, 2020r–2024

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>											
2020^r	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^r	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^r	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
2024	16,369.4	451.1	2,038.2	2,526.7	2,538.7	2,389.1	2,236.2	1,595.0	1,267.8	860.9	465.7
Lelaki <i>Male</i>											
2020^r	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^r	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^r	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
2024	10,257.1	301.0	1,269.8	1,514.9	1,578.0	1,488.2	1,346.8	1,012.6	819.1	607.0	319.6
Perempuan <i>Female</i>											
2020^r	5,568.2	129.8	618.5	936.6	950.5	854.3	680.3	551.5	430.9	288.4	127.4
2021^r	5,630.6	295.0	617.5	973.4	886.8	907.1	733.6	529.6	372.6	216.0	99.0
2022^r	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
2024	6,112.3	150.1	768.4	1,011.8	960.7	900.9	889.4	582.5	448.6	253.8	146.0
Jumlah (%) <i>Total</i>											
2020^r	100.0	3.0	10.8	15.8	16.5	15.3	12.2	9.8	7.9	5.9	3.0
2021^r	100.0	4.0	11.3	15.6	15.5	15.5	12.8	9.7	7.5	5.4	2.7
2022^r	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
2024	100.0	2.8	12.5	15.4	15.5	14.6	13.7	9.7	7.7	5.3	2.8
Lelaki <i>Male</i>											
2020^r	100.0	3.4	10.6	15.1	16.1	15.2	12.2	9.8	7.9	6.3	3.4
2021^r	100.0	3.2	11.6	14.5	15.3	15.2	12.7	9.9	8.1	6.3	3.2
2022^r	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
2024	100.0	2.9	12.4	14.8	15.4	14.5	13.1	9.9	8.0	5.9	3.1
Perempuan <i>Female</i>											
2020^r	100.0	2.3	11.1	16.8	17.1	15.3	12.2	9.9	7.7	5.2	2.3
2021^r	100.0	5.2	11.0	17.3	15.7	16.1	13.0	9.4	6.6	3.8	1.8
2022^r	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
2024	100.0	2.5	12.6	16.6	15.7	14.7	14.6	9.5	7.3	4.2	2.4

r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C3.2: Penduduk bekerja mengikut jantina dan kumpulan etnik, Malaysia, 2020r–2024
Table C3.2: Employed persons by sex and ethnic group, Malaysia, 2020r–2024

Jantina Sex	Jumlah Total	Warganegara Malaysia Malaysian citizens					Bukan warganegara Malaysia
		Jumlah Total	Bumiputera	Cina Chinese	India Indians	Lain-lain Others	Non- Malaysian citizens
Jumlah ('000) Total							
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
2024	16,369.4	14,008.8	9,554.6	3,408.2	961.4	84.5	2,360.6
Lelaki Male							
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
2024	10,257.1	8,368.1	5,785.4	1,953.5	574.2	55.0	1,889.0
Perempuan Female							
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
2024	6,112.3	5,640.7	3,769.3	1,454.6	387.3	29.5	471.6
Jumlah (%) Total							
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
2024	100.0	85.6	58.4	20.8	5.9	0.5	14.4
Lelaki Male							
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
2024	100.0	81.6	56.4	19.0	5.6	0.5	18.4
Perempuan Female							
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
2024	100.0	92.3	61.7	23.8	6.3	0.5	7.7

^r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
^r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C3.3:
Table C3.3:

Penduduk bekerja mengikut jantina dan pekerjaan, Malaysia, 2020r–2024
Employed persons by sex and occupation, Malaysia, 2020r–2024

Jantina Sex	Jumlah Total	1	2	3	4	5	6	7	8	9
Jumlah ('000) <i>Total</i>										
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
2024	16,369.4	808.9	2,175.3	1,959.6	1,605.9	3,790.7	678.4	1,446.7	1,734.8	2,169.1
Lelaki <i>Male</i>										
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
2024	10,257.1	589.8	1,102.4	1,332.1	450.6	1,969.9	572.3	1,185.3	1,371.2	1,683.3
Perempuan <i>Female</i>										
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
2024	6,112.3	219.0	1,072.8	627.4	1,155.3	1,820.8	106.1	261.4	363.6	485.8
Jumlah (%) <i>Total</i>										
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
2024	100.0	4.9	13.3	12.0	9.8	23.2	4.1	8.8	10.6	13.3
Lelaki <i>Male</i>										
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
2024	100.0	5.8	10.7	13.0	4.4	19.2	5.6	11.6	13.4	16.4
Perempuan <i>Female</i>										
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
2024	100.0	3.6	17.6	10.3	18.9	29.8	1.7	4.3	5.9	7.9

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.

r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C3.4: Penduduk bekerja mengikut jantina dan industri, Malaysia, 2020r–2024
Table C3.4: Employed persons by sex and industry, Malaysia, 2020r–2024

Jantina Sex	Jumlah ¹ Total	Pertanian Agriculture	Pertombongan 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 Wholesale and retail trade	Pengangkutan dan penyimpanan Transportation and storage	Makanan & minuman dan penginapan Food & beverage and accommodation	Maklumat dan komunikasi Information and communication
Jumlah ('000) <i>Total</i>											
2020r	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
2021r	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
2022r	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
2024	16,369.4	1,478.5	88.7	2,664.6	76.8	93.0	1,393.4	3,063.3	751.4	1,617.1	286.3
Lelaki <i>Male</i>											
2020r	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
2021r	9,194.6	1,171.5	58.9	1,623.5	71.8	66.3	1,023.3	1,530.9	555.9	623.6	168.4
2022r	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
2024	10,257.1	1,197.3	70.9	1,655.7	62.0	72.4	1,263.0	1,784.3	630.9	847.8	142.9
Perempuan <i>Female</i>											
2020r	5,568.2	300.9	22.9	945.9	11.7	15.6	144.2	1,073.1	115.6	644.4	92.8
2021r	5,630.6	237.2	23.9	852.9	5.4	20.0	142.5	1,201.8	137.7	823.6	73.3
2022r	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
2024	6,112.3	281.2	17.8	1,009.0	14.8	20.6	130.3	1,279.0	120.5	769.2	143.5
Jumlah (%) <i>Total</i>											
2020r	100.0	9.9	0.6	16.8	0.5	0.6	8.0	18.1	4.7	10.0	1.6
2021r	100.0	9.5	0.6	16.7	0.5	0.6	7.9	18.4	4.7	9.8	1.6
2022r	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
2024	100.0	9.0	0.5	16.3	0.5	0.6	8.5	18.7	4.6	9.9	1.7
Lelaki <i>Male</i>											
2020r	100.0	12.6	0.6	16.7	0.7	0.7	11.3	17.4	6.3	9.1	1.6
2021r	100.0	12.7	0.6	17.7	0.8	0.7	11.1	16.6	6.0	6.8	1.8
2022r	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
2024	100.0	11.7	0.7	16.1	0.6	0.7	12.3	17.4	6.2	8.3	1.4
Perempuan <i>Female</i>											
2020r	100.0	5.4	0.4	17.0	0.2	0.3	2.6	19.3	2.1	11.6	1.7
2021r	100.0	4.2	0.4	15.1	0.1	0.4	2.5	21.3	2.4	14.6	1.3
2022r	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
2024	100.0	4.6	0.3	16.5	0.2	0.3	2.1	20.9	2.0	12.6	2.3

¹Jumlah termasuk 'Aktiviti badan dan pertubuhan luar wilayah'

Total includes 'Activities of extraterritorial organizations and bodies'

r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020

r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C3.4:

Table C3.4:

Penduduk bekerja mengikut jantina dan industri, Malaysia, 2020r–2024 (samb.)

Employed persons by sex and industry, Malaysia, 2020r–2024 (cont'd)

Jantina Sex	Kewangan dan insurans Finance and insurance	Hartanah Real estat	Profesional, saintifik dan teknikal Professional, scientific and technical	Pentadbiran dan khidmat sokongan Administrative and support service	Pentadbiran awam dan pertahanan Public administration and defence	Pendidikan Education	Kesihatan kemanusiaan dan kerja sosial Human health and social work	Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	Perkhidmatan lain Other service	Aktiviti isi rumah sebagai majikan Activities of households as employers
Jumlah ('000) Total										
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
2024	444.6	101.5	396.6	888.0	854.4	1042.5	683.5	73.5	264.5	103.6
Lelaki Male										
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
2024	236.1	69.8	210.5	589.6	581.4	384.2	225.6	38.4	149.6	41.9
Perempuan Female										
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
2024	208.5	31.7	186.0	298.4	273.0	658.2	457.9	35.2	114.9	61.7
Jumlah (%) Total										
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
2024	2.7	0.6	2.4	5.4	5.2	6.4	4.2	0.4	1.6	0.6
Lelaki Male										
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
2024	2.3	0.7	2.1	5.7	5.7	3.7	2.2	0.4	1.5	0.4
Perempuan Female										
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
2024	3.4	0.5	3.0	4.9	4.5	10.8	7.5	0.6	1.9	1.0

r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020

r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C3.5:
Table C3.5:

Penduduk bekerja mengikut jantina dan taraf pekerjaan, Malaysia, 2020r–2024
Employed persons by sex and status in employment, Malaysia, 2020r–2024

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>					
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
2024	16,369.4	609.8	12,857.5	2,446.4	385.6
Lelaki <i>Male</i>					
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
2024	10,257.1	466.8	7,838.5	1,787.3	164.5
Perempuan <i>Female</i>					
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
2024	6,112.3	143.0	5,019.0	729.1	221.2
Jumlah (%) <i>Total</i>					
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
2024	100.0	3.7	78.5	15.4	2.4
Lelaki <i>Male</i>					
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
2024	100.0	4.6	76.4	17.4	1.6
Perempuan <i>Female</i>					
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
2024	100.0	2.3	82.1	11.9	3.6

^r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
^r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C3.6: Penduduk bekerja mengikut jantina dan pencapaian pendidikan, Malaysia, 2020r–2024
Table C3.6: Employed persons by sex and educational attainment, Malaysia, 2020r–2024

Jantina Sex	Jumlah Total	Tiada pendidikan rasmi No formal education	Rendah Primary	Menengah Secondary	Tertiari Tertiary
Jumlah ('000) Total					
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
2024	16,369.4	356.4	1,344.6	8,950.6	5,717.7
Lelaki Male					
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
2024	10,257.1	235.5	1,006.8	6,018.6	2,996.2
Perempuan Female					
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
2024	6,112.3	121.0	337.8	2,932.0	2,721.5
Jumlah (%) Total					
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
2024	100.0	2.2	8.2	54.7	34.9
Lelaki Male					
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
2024	100.0	2.3	9.8	58.7	29.2
Perempuan Female					
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
2024	100.0	2.0	5.5	48.0	44.5

^r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
^r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C3.7:
Table C3.7:

Penduduk bekerja mengikut jantina dan sijil tertinggi diperolehi, Malaysia, 2020r–2024
Employed persons by sex and highest certificate obtained, Malaysia, 2020r–2024

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>										
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
2024	16,369.4	1,099.0	1,429.2	7,296.0	566.9	477.7	1,851.1	2,744.0	552.5	353.0
Lelaki <i>Male</i>										
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
2024	10,257.1	842.6	1,089.5	4,721.7	279.5	332.1	955.1	1,391.3	412.0	233.3
Perempuan <i>Female</i>										
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
2024	6,112.3	256.4	339.8	2,574.3	287.5	145.6	896.0	1,352.7	140.5	119.6
Jumlah (%) <i>Total</i>										
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
2024	100.0	6.7	8.7	44.6	3.5	2.9	11.3	16.8	3.4	2.2
Lelaki <i>Male</i>										
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
2024	100.0	8.2	10.6	46.0	2.7	3.2	9.3	13.6	4.0	2.3
Perempuan <i>Female</i>										
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
2024	100.0	4.2	5.6	42.1	4.7	2.4	14.7	22.1	2.3	2.0

^r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C3.8:
Table C3.8:

Penduduk bekerja kurang dari 30 jam, Malaysia, 2020r–2024
Employed persons working less than 30 hours, Malaysia, 2020r–2024

Tahun Year	Penduduk bekerja kurang dari 30 jam <i>Employed persons working less than 30 hours</i>	Kadar penduduk bekerja kurang dari 30 jam <i>Rate of employed persons working less than 30 hours</i>
2020 ^r	519.1	3.5
2021 ^r	401.3	2.7
2022 ^r	320.3	2.1
2023	226.3	1.4
2024	212.5	1.3

Jadual C3.9:
Table C3.9:

Guna tenaga tidak penuh berkaitan masa, Malaysia, 2020r–2024
Time-related underemployment, Malaysia, 2020r–2024

Tahun Year	Guna tenaga tidak penuh berkaitan masa <i>Time-related underemployment</i>	Kadar guna tenaga tidak penuh berkaitan masa <i>Rate of time-related underemployment</i>
2020 ^r	306.8	2.1
2021 ^r	272.3	1.8
2022 ^r	220.8	1.5
2023	137.5	0.9
2024	125.1	0.8

Jadual C3.10:
Table C3.10

Guna tenaga tidak penuh berkaitan kemahiran, Malaysia, 2020r–2024
Skill-related underemployment, Malaysia, 2020r–2024

Tahun Year	Guna tenaga tidak penuh berkaitan kemahiran <i>Skill-related underemployment</i>	Kadar guna tenaga tidak penuh berkaitan kemahiran <i>Rate of skill-related underemployment</i>
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
2024	2,061.7	36.1

^r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
^r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

Jadual C3.11: Guna tenaga tidak penuh berkaitan kemahiran mengikut negeri, Malaysia, 2023 - 2024
Table C3.11: Skill-related underemployment by state, Malaysia, 2023 - 2024

Negeri State	Guna tenaga tidak penuh berkaitan kemahiran ('000) Skill-related underemployment ('000)		Kadar guna tenaga tidak penuh berkaitan kemahiran (%) Rate of skill-related underemployment (%)	
	2023	2024	2023	2024
Jumlah Total	2,035.0	2,061.7	36.3	36.1
Johor	204.4	200.4	36.5	33.4
Kedah	111.8	106.6	39.1	39.2
Kelantan	120.2	110.8	50.8	52.3
Melaka	67.0	60.1	35.7	36.1
Negeri Sembilan	65.7	58.3	30.8	31.3
Pahang	86.3	83.0	40.6	44.5
Pulau Pinang	97.4	98.9	28.9	26.5
Perak	113.3	107.9	32.6	34.7
Perlis	18.7	17.2	40.9	41.3
Selangor	655.4	783.6	37.7	40.3
Terengganu	86.0	69.1	49.6	45.8
Sabah	116.6	122.0	35.8	40.9
Sarawak	119.4	108.2	38.7	37.0
W.P. Kuala Lumpur	152.4	115.7	26.4	18.6
W.P. Labuan	6.4	6.0	38.0	39.9
W.P. Putrajaya	14.0	13.6	35.2	32.0

r Semakan semula berdasarkan anggaran penduduk semasa oleh Banci Penduduk dan Perumahan Malaysia, 2020
r Revision based on the current population estimates from Population and Housing Census, Malaysia, 2020

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NOTA TEKNIKAL

TECHNICAL NOTES

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:
- i. perhubungan dengan ketua isi rumah;
 - ii. jantina;
 - iii. umur;
 - iv. etnik dan kewarganegaraan;
 - v. taraf perkahwinan; dan
 - vi. 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:
- i. tindakan yang telah diambil untuk mencari kerja;
 - ii. pengalaman bekerja; dan
 - iii. 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 2024 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 Sistematik. 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:

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

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

9.2 Agihan saiz sampel dalam STB 2024 adalah seperti berikut:

Negeri	Bilangan BP Terpilih	Bilangan TK Terpilih
Johor	1,176	9,408
Kedah	1,044	8,352
Kelantan	786	6,288
Melaka	480	3,840
Negeri Sembilan	732	5,856
Pahang	936	7,488
Pulau Pinang	684	5,472
Perak	1,092	8,736

Perlis	288	2,304
Selangor	1,143	9,144
Terengganu	696	5,568
Sabah	1,488	11,904
Sarawak	1,584	12,672
W.P. Kuala Lumpur	480	3,840
W.P. Labuan	144	1,152
W.P. Putrajaya	180	1,440
Malaysia	12,933	103,464

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:

- a. tidak mencari pekerjaan dalam minggu rujukan kerana percaya tidak terdapat pekerjaan atau pun tidak berkelayakan;
- b. mungkin mencari pekerjaan jika tidak kerana sakit atau keadaan cuaca; dan
- c. 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:

- 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 2022, pekerjaan dikelaskan mengikut **MASCO 2020** 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 2020 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 2024, kadar penyertaan tenaga buruh Malaysia ialah 70.6 peratus, dengan RSE 0.15 peratus, iaitu ralat piawai (*Standard Error*) ialah 0.21 peratus. Pada 95 peratus selang keyakinan ($\alpha = 0.05$), kadar penyertaan tenaga buruh berada di antara 70.4 - 71.0 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 - 2024 memaparkan statistik utama tenaga buruh. Tiada data bagi tahun 1991 dan 1994 kerana STB tidak dilaksanakan pada tahun berkenaan. Manakala, siri masa 2013 - 2024 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 2024. 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 2024 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 2024 LFS are as follows:

State	Number of selected EBs	Number of selected LQs
Johor	1,176	9,408
Kedah	1,044	8,352
Kelantan	786	6,288
Melaka	480	3,840
Negeri Sembilan	732	5,856
Pahang	936	7,488
Pulau Pinang	684	5,472
Perak	1,092	8,736
Perlis	288	2,304
Selangor	1,143	9,144
Terengganu	696	5,568
Sabah	1,488	11,904
Sarawak	1,584	12,672
W.P. Kuala Lumpur	480	3,840
W.P. Labuan	144	1,152
W.P. Putrajaya	180	1,440
Malaysia	12,933	103,464

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 2022, occupation is classified according to **MASCO 2020** 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 2020 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 2024 the labour force participation rate for Malaysia was 70.6 per cent with an RSE of 0.15 per cent and Standard Error (SE) of 0.21 per cent. At 95 per cent confidence interval ($\alpha = 0.05$), the labour force participation rate was in the range of 70.4 - 71.0 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 - 2024 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 - 2024 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 2024. 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 PIAWAIAN RELATIF

***RELATIVE STANDARD
ERROR TABLES***

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2024
Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2024

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	70.6	0.15	0.21	70.35	—	70.95
Bandar Urban	72.1	0.18	0.18	71.69	—	72.41
Luar bandar Rural	66.2	0.25	0.25	65.68	—	66.66
Johor						
Jumlah Total	71.6	0.45	0.63	70.71	—	72.49
Bandar Urban	71.9	0.51	0.51	70.95	—	72.94
Luar bandar Rural	70.3	1.01	1.01	68.35	—	72.32
Kedah						
Jumlah Total	66.0	0.51	0.77	64.98	—	66.98
Bandar Urban	67.7	0.61	0.61	66.53	—	68.91
Luar bandar Rural	62.2	0.92	0.92	60.39	—	63.98
Kelantan						
Jumlah Total	57.7	0.43	0.75	56.89	—	58.59
Bandar Urban	61.2	0.57	0.57	60.04	—	62.29
Luar bandar Rural	54.9	0.63	0.63	53.66	—	56.14

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2024 (samb.)
Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2024 (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	70.6	0.91	1.29	68.83	–	72.40
Bandar Urban	70.9	0.95	0.95	69.04	–	72.77
Luar bandar Rural	67.6	3.16	3.16	61.39	–	73.80
Negeri Sembilan						
Jumlah Total	66.7	0.63	0.94	65.47	–	67.92
Bandar Urban	67.7	0.76	0.76	66.19	–	69.18
Luar bandar Rural	64.3	1.09	1.09	62.13	–	66.41
Pahang						
Jumlah Total	65.4	0.54	0.82	64.32	–	66.43
Bandar Urban	65.9	0.64	0.64	64.64	–	67.16
Luar bandar Rural	64.8	0.87	0.87	63.13	–	66.54
Pulau Pinang						
Jumlah Total	72.0	0.59	0.82	70.84	–	73.15
Bandar Urban	72.9	0.63	0.63	71.72	–	74.18
Luar bandar Rural	60.1	1.26	1.26	57.62	–	62.58

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2024 (samb.)
Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2024 (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	66.5	0.48	0.72	65.61	—	67.49
Bandar Urban	66.8	0.59	0.59	65.64	—	67.95
Luar bandar Rural	65.9	0.83	0.83	64.31	—	67.56
Perlis						
Jumlah Total	62.0	1.02	1.64	60.04	—	64.03
Bandar Urban	63.9	1.39	1.39	61.13	—	66.59
Luar bandar Rural	59.7	1.51	1.51	56.72	—	62.62
Selangor						
Jumlah Total	77.9	0.40	0.52	77.12	—	78.70
Bandar Urban	78.1	0.42	0.42	77.29	—	78.93
Luar bandar Rural	73.3	0.94	0.94	71.45	—	75.14
Terengganu						
Jumlah Total	60.7	0.55	0.90	59.63	—	61.77
Bandar Urban	62.0	0.67	0.67	60.63	—	63.27
Luar bandar Rural	58.4	0.93	0.93	56.53	—	60.19

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2024 (samb.)
Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2024 (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	70.9	0.45	0.63	70.00	—	71.76
Bandar Urban	69.2	0.66	0.66	67.90	—	70.49
Luar bandar Rural	73.2	0.55	0.55	72.08	—	74.25
Sarawak						
Jumlah Total	69.7	0.39	0.56	68.92	—	70.44
Bandar Urban	70.1	0.58	0.58	69.00	—	71.27
Luar bandar Rural	69.0	0.45	0.45	68.14	—	69.91
W. P. Kuala Lumpur						
Jumlah Total	75.4	0.74	0.98	73.96	—	76.86
Bandar Urban	75.4	0.74	0.74	73.96	—	76.86
Luar bandar Rural	n.a	n.a	n.a	n.a	—	n.a
W. P. Labuan						
Jumlah Total	68.1	1.05	1.55	66.03	—	70.16
Bandar Urban	68.7	1.15	1.15	66.44	—	70.96
Luar bandar Rural	63.4	2.30	2.30	58.91	—	67.93

Jadual S1: Ralat piawai relatif bagi anggaran kadar penyertaan tenaga buruh mengikut negeri dan strata, Malaysia, 2024 (samb.)
Table S1: Relative standard error of estimates for labour force participation rate by state and strata, Malaysia, 2024 (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	78.7	1.28	1.62	76.22	—	81.23
Bandar Urban	78.7	1.28	1.28	76.22	—	81.23
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, 2024
Table S2: Relative standard error of estimates for employed persons by occupation, Malaysia, 2024

Pekerjaan Occupation	Bilangan penduduk bekerja Number of employed persons (‘000)	Ralat piawai bagi anggaran Standard error of estimates		Bilangan penduduk bekerja pada 95% selang keyakinan Labour force participation rate at 95% confidence interval (‘000)		
		Nilai relatif Relative value (%)	Ralat piawai Standard error (‘000)			
Pengurus Managers	808.9	15.64	1.93	778.19	–	839.51
Profesional Professionals	2,175.3	25.03	1.15	2,126.21	–	2,224.34
Juruteknik dan profesional bersekutu Technicians and associate professionals	1,959.6	22.44	1.15	1,915.60	–	2,003.58
Pekerja sokongan perkeranian Clerical support workers	1,605.9	19.52	1.22	1,567.64	–	1,644.15
Pekerja perkhidmatan dan jualan Service and sales workers	3,790.7	35.44	0.93	3,721.24	–	3,860.16
Pekerja mahir pertanian, perhutanan, penternakan dan perikanan Skilled agricultural, forestry, livestock and fishery workers	678.4	11.63	1.71	655.61	–	701.19
Pekerja kemahiran dan pekerja pertukangan yang berkaitan Craft and related trades workers	1,446.7	20.32	1.40	1,406.85	–	1,486.49
Operator mesin dan loji, dan pemasang Plant and machine-operators and assemblers	1,734.8	25.83	1.49	1,684.20	–	1,785.46
Pekerja asas Elementary occupations	2,169.1	42.06	1.94	2,086.70	–	2,251.59

Jadual S3: Ralat piawai relatif bagi anggaran penduduk bekerja mengikut industri, Malaysia, 2024
Table S3: Relative standard error of estimates for employed persons by industry, Malaysia, 2024

Industri Industry	Bilangan penduduk bekerja Number of employed persons (‘000)	Ralat piawai bagi anggaran Standard error of estimates		Bilangan penduduk bekerja pada 95% selang keyakinan Labour force participation rate at 95% confidence interval (‘000)		
		Nilai relatif Relative value (%)	Ralat piawai Standard error (‘000)			
Pertanian Agriculture	1,478.5	20.85	1.41	1,437.67	–	1,519.38
Perlombongan dan pengkuarian Mining and quarrying	88.7	5.13	5.78	78.67	–	98.76
Pembuatan Manufacturing	2,664.6	32.25	1.21	2,601.42	–	2,727.83
Bekalan elektrik, gas, wap dan pendingin udara Electricity, gas, steam and air conditioning supply	76.8	3.91	5.09	69.17	–	84.52
Bekalan air; pembentungan, pengurusan sisa dan aktiviti pemulihan Water supply; sewerage, waste management and remediation activities	93.0	5.31	5.71	82.58	–	103.40
Pembinaan Construction	1,393.4	29.05	2.08	1,336.43	–	1,450.31
Perdagangan borong dan runcit Wholesale and retail trade	3,063.3	32.41	1.06	2,999.78	–	3,126.81
Pengangkutan dan penyimpanan Transportation and storage	751.4	17.43	2.32	717.28	–	785.60
Makanan & minuman dan penginapan Food & beverages and accommodation	1,617.1	25.31	1.57	1,567.46	–	1,666.68
Maklumat dan komunikasi Information and communication	286.3	9.68	3.38	267.34	–	305.29
Kewangan dan insurans Financial and insurance	444.6	11.05	2.48	422.95	–	466.26

Jadual S3: Ralat piawai relatif bagi anggaran penduduk bekerja mengikut industri, Malaysia, 2024
Table S3: Relative standard error of estimates for employed persons by industry, Malaysia, 2024

Industri Industry	Bilangan penduduk bekerja Number of employed persons (‘000)	Ralat piawai bagi anggaran Standard error of estimates		Bilangan penduduk bekerja pada 95% selang keyakinan Labour force participation rate at 95% confidence interval (‘000)		
		Nilai relatif Relative value (%)	Ralat piawai Standard error (‘000)			
Hartanah Real estate	101.50	5.69	5.61	90.31	–	112.62
Profesional, saintifik dan teknikal Professional, scientific and technical	396.60	10.28	2.59	376.41	–	416.70
Pentadbiran dan khidmat sokongan Administrative and support service	888.00	21.03	2.37	846.77	–	929.22
Pentadbiran awam dan pertahanan Public administration and defence	854.40	14.08	1.65	826.78	–	882.00
Pendidikan Education	1,042.50	15.09	1.45	1,012.91	–	1,072.06
Kesihatan kemanusiaan dan kerja sosial Human health and social work	683.50	13.68	2.00	656.68	–	710.32
Kesenian, hiburan dan rekreasi Arts, entertainment and recreation	73.50	4.24	5.77	65.23	–	81.86
Perkhidmatan lain Other service	264.50	9.52	3.60	245.85	–	283.16
Aktiviti isi rumah sebagai majikan Activities of households as employer	103.60	7.74	7.47	88.44	–	118.78

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