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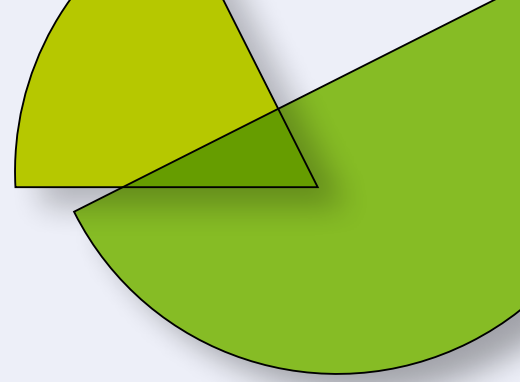


Employment Forecasts
Publication overview

Deloitte
Access Economics



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Overview

Employment Forecasts is Deloitte Access Economics' flagship labour market analysis and forecasting publication.

Produced quarterly, *Employment Forecasts* provides detailed forecasts and commentary on employment in Australia across **industries**, **detailed occupations**, and **regions**, including insights structured by three worker classifications:



1. **White collar:** Workers in occupations typically attached to an office environment within each industry (for example, business professionals, administrative staff, IT workers, and lawyers).



2. **Blue collar:** Workers in occupations who typically engage in manual work such as those in industrial settings within each industry (for example, building & construction labourers, farm workers, and machinery operators).



3. **Human services:** Workers in occupations typically associated as service workers who may not be attached to an office environment within each industry (for example, health professionals, educators, retailers, and hospitality staff).

Employment Forecasts helps organisations understand changing industry and occupation employment patterns and can shed light on emerging trends: technological change, shifting skill needs, the move to net zero and a shift towards a knowledge-based workforce. Deloitte Access Economics' expert analysis and forecast data can help you understand how industry and occupation employment trends affect your **strategic planning, financial modelling, and investment decisions.**

Employment Forecasts supports public and private organisations take the pulse of the Australian economy:



Analysis of the major influences of industry and occupation employment offers critical guidance for workforce planning for **federal and state government departments, policy makers, University researchers** and the **business community** seeking to understand the future demand for skills and the evolving structure of the Australian economy.



White collar employment forecasts capture demand for Central Business District (CBD) office space across industry sectors, making it a vital resource for **property developers, landlords, brokers,** and the **business community.**



CBD and greater capital city employment estimates by industry and worker classification supports **local government planning** and helps organisations understand the structural trends that are underway in Australia's CBD and greater capital city areas.

The employment forecast data is broken down by **industry, occupation, state, greater capital city** and **CBD** regions, and provides a robust assessment of future employment demand. If you require additional methodological information, please contact the team to receive the methodology guide or data templates, contact details can be found at the end of the document.



Industry
data

Industry classification

Employment Forecasts follows the ABS Australian and New Zealand Standard Industrial Classification (ANZSIC) 1-digit level (Division) in Australia, in total there are 19 industries. Each industry is split by its **white collar**, **blue collar**, and **human services** workforce.

Regions

The forecasts are produced by state / territory (level 1), greater capital city (level 2) and Central Business District (CBD) (level 3):



- **State / territory:** The ABS states and territories are a cartographic representation of legally designated state and territory boundaries.
- **Greater capital city:** Greater capital city level forecasts are based on the Statistical Area (SA) 4 level data within each Greater Capital City Statistical Area (GCCSA).
- **CBD:** CBD level employment is benchmarked to Census employment by industry within each CBD region defined by Deloitte Access Economics. The CBD regions are based on Destination Zones (DZN) and typically cover a few urban city blocks.

The publication includes all state and territory and greater capital city regions and covers a selection of eight CBD markets, including Sydney CBD, North Sydney, Melbourne CBD, Brisbane CBD, Brisbane Near City, Perth CBD and West Perth, Adelaide City and Canberra Central. A map of each CBD region can be found in the Appendix.

Time horizon



The time series commences in September 1980 and includes a ten-year forecast horizon. The forecasts are produced at a quarterly frequency and are also provided by financial year and calendar year.



Occupation
data

Occupation classification

Employment Forecasts follows the ABS Australian and New Zealand Standard Classification of Occupations (ANZSCO) 4-digit level (Unit Group) in Australia excluding 'not further defined' (nfd) occupations, in total there are 358 occupations.

Regions



The forecasts are produced by state/territory (level 1):

- **State/territory:** The ABS states and territories are a cartographic representation of legally designated state and territory boundaries.

Time horizon



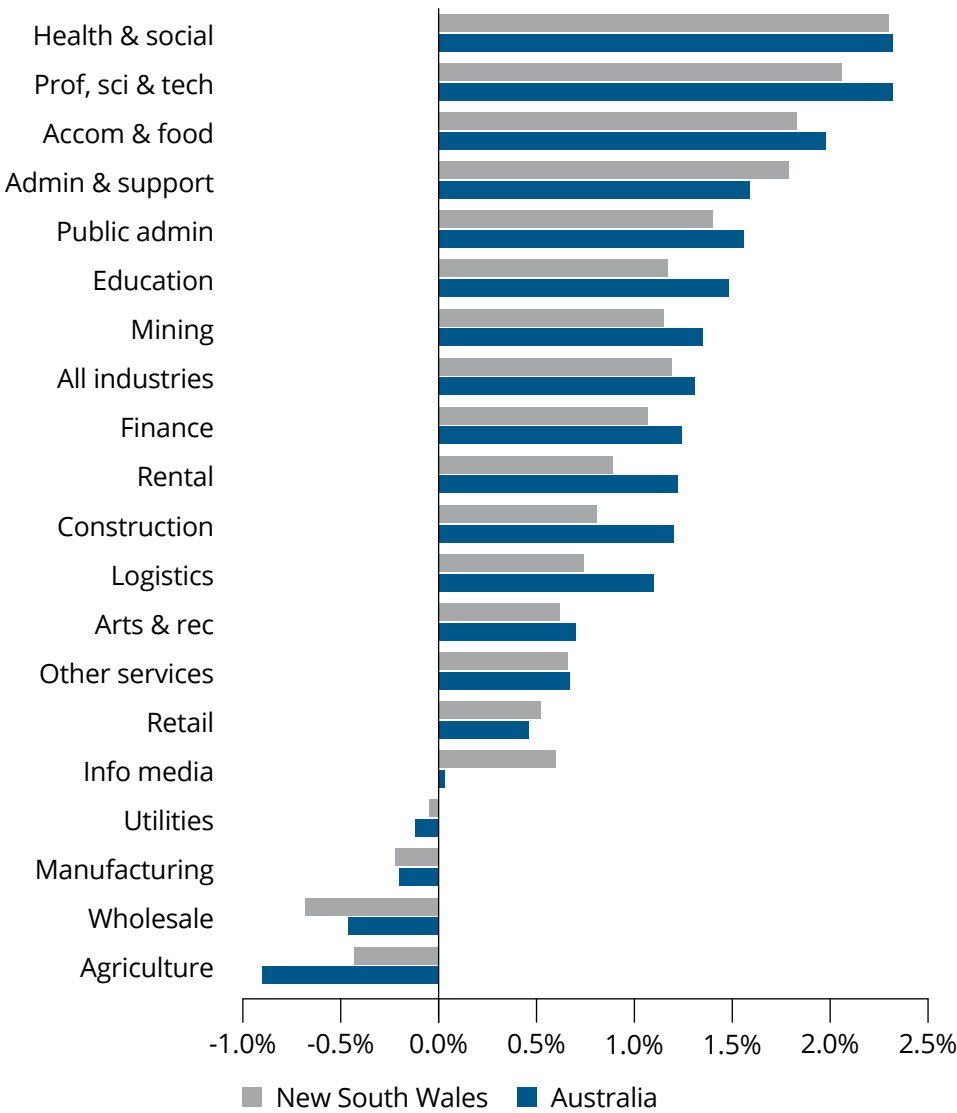
The time series commences in March 1992 and includes a ten-year forecast horizon. The forecasts are produced at a quarterly frequency and are also provided by financial year and calendar year. Forecasts can extend beyond a ten-year forecast horizon – please contact the team if you are interested in long-run detailed occupation forecasts, contact details can be found at the end of this section.

Forecast data examples

Below are illustrations of how *Employment Forecasts* can be used to analyse and inform the evolving structure of the Australian workforce.

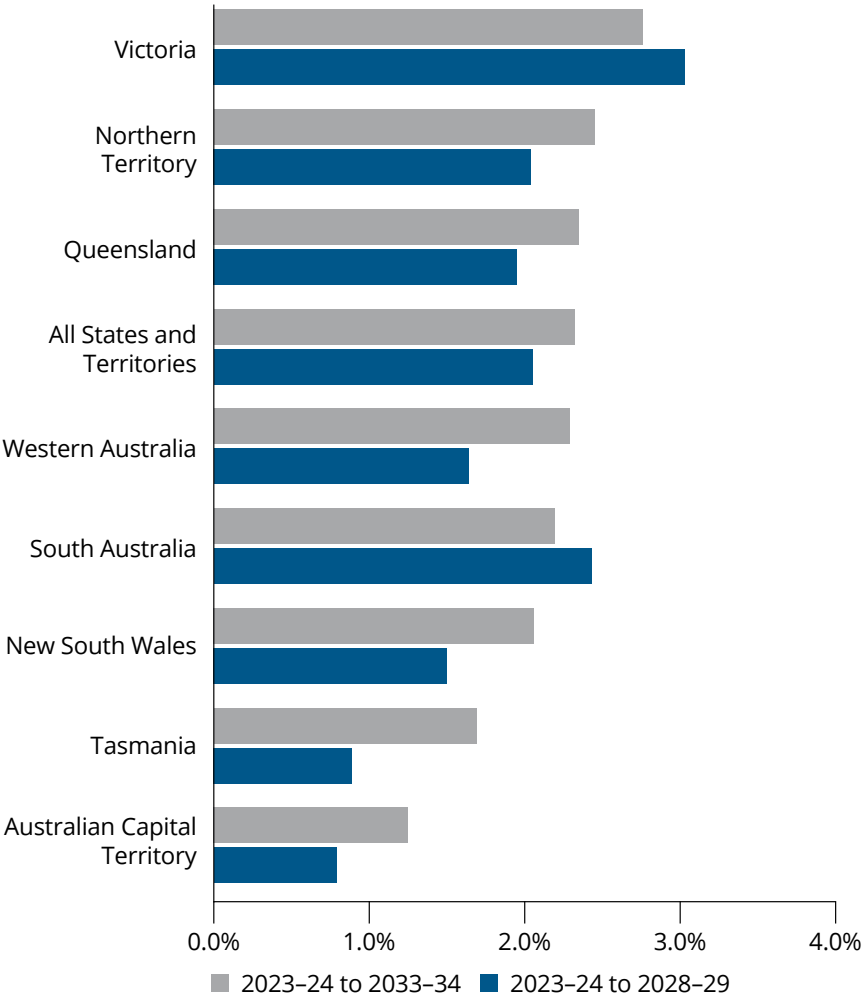
Industry data Industry employment growth examples

Figure 1 Industry employment growth, 2023–24 to 2033–34



Source: Deloitte Access Economics Employment Forecasts August 2024 Edition

Figure 2 State and territory professional, scientific, and technical services employment growth

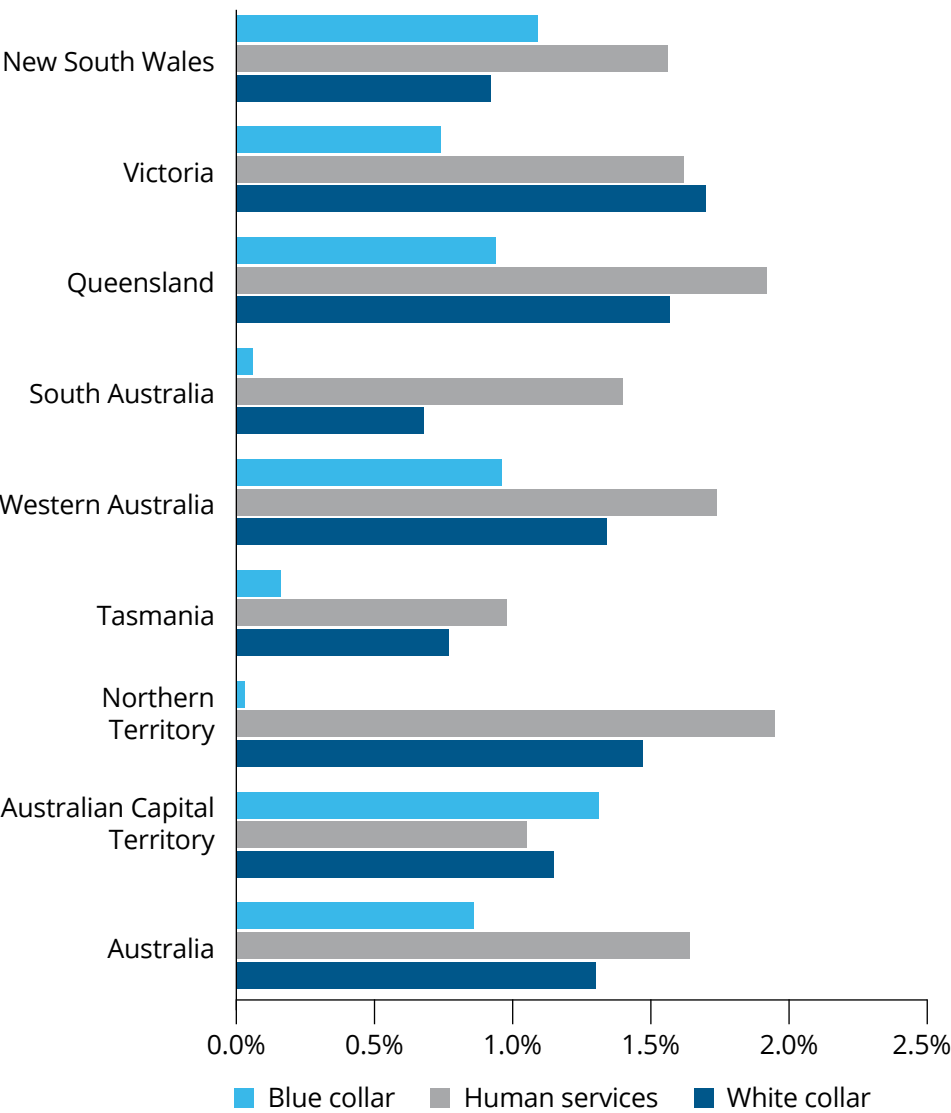


Source: Deloitte Access Economics Employment Forecasts August 2024 Edition

Insert useful data to promote worker classification employment growth

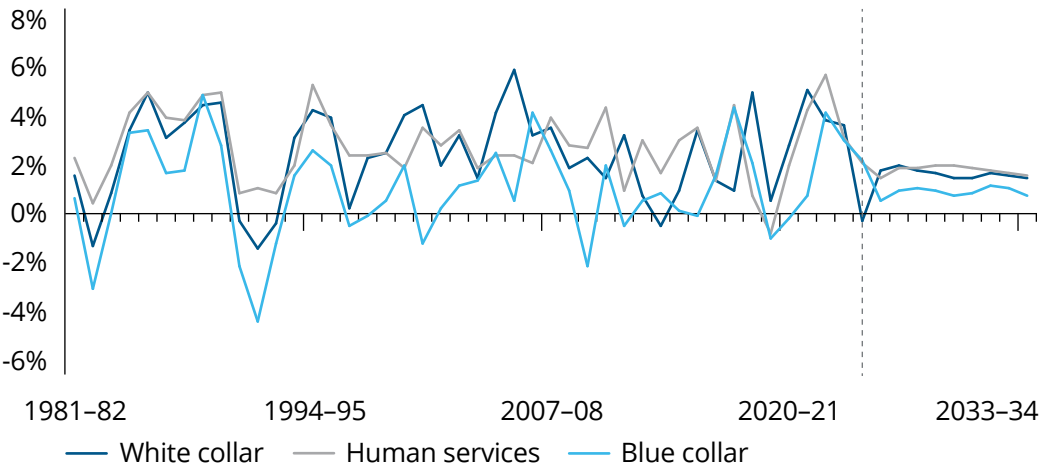
Worker classification employment growth examples

Figure 3 State and territory worker classification employment growth, 2023–34 to 2033–34



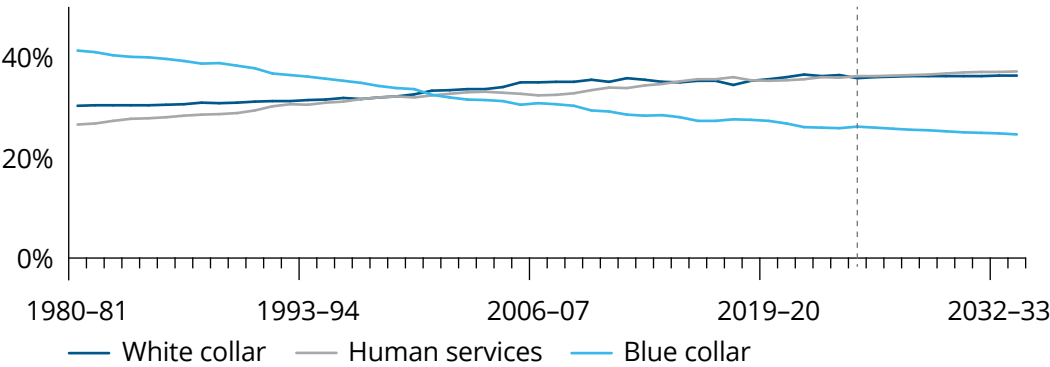
Source: Deloitte Access Economics Employment Forecasts August 2024 Edition

Figure 4 National worker classification employment growth, financial year



Source: Deloitte Access Economics Employment Forecasts August 2024 Edition

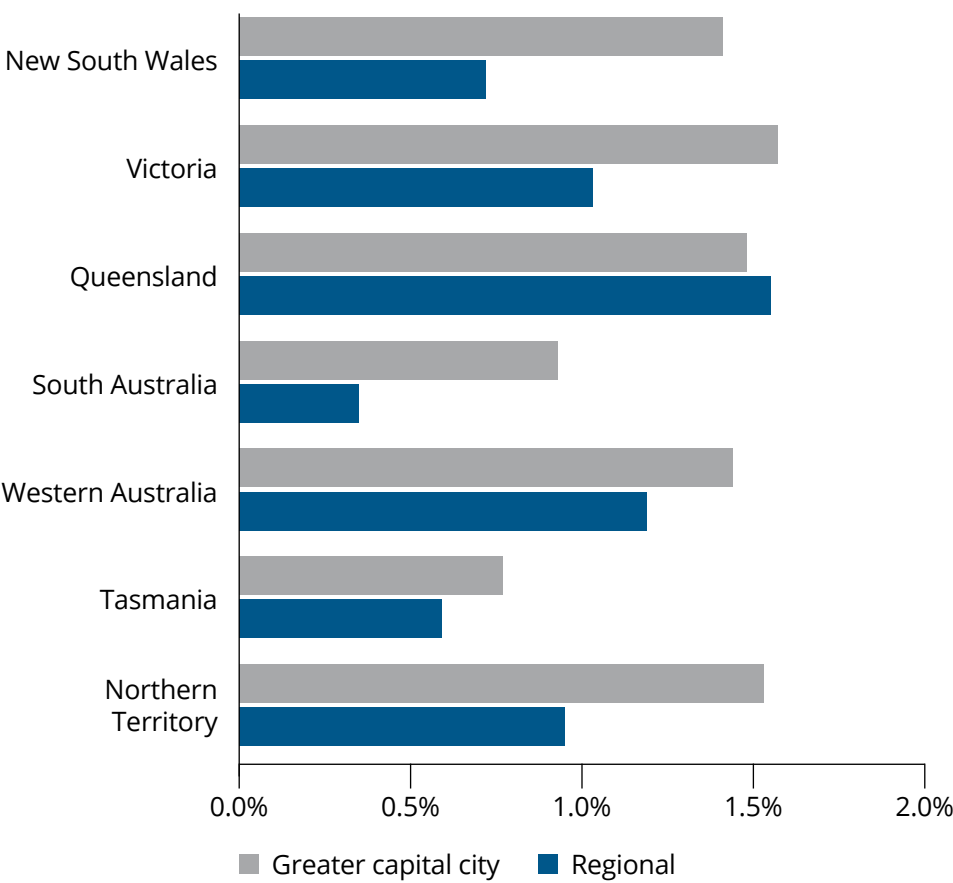
Figure 5 National worker classification employment share, financial year



Source: Deloitte Access Economics Employment Forecasts August 2024 Edition

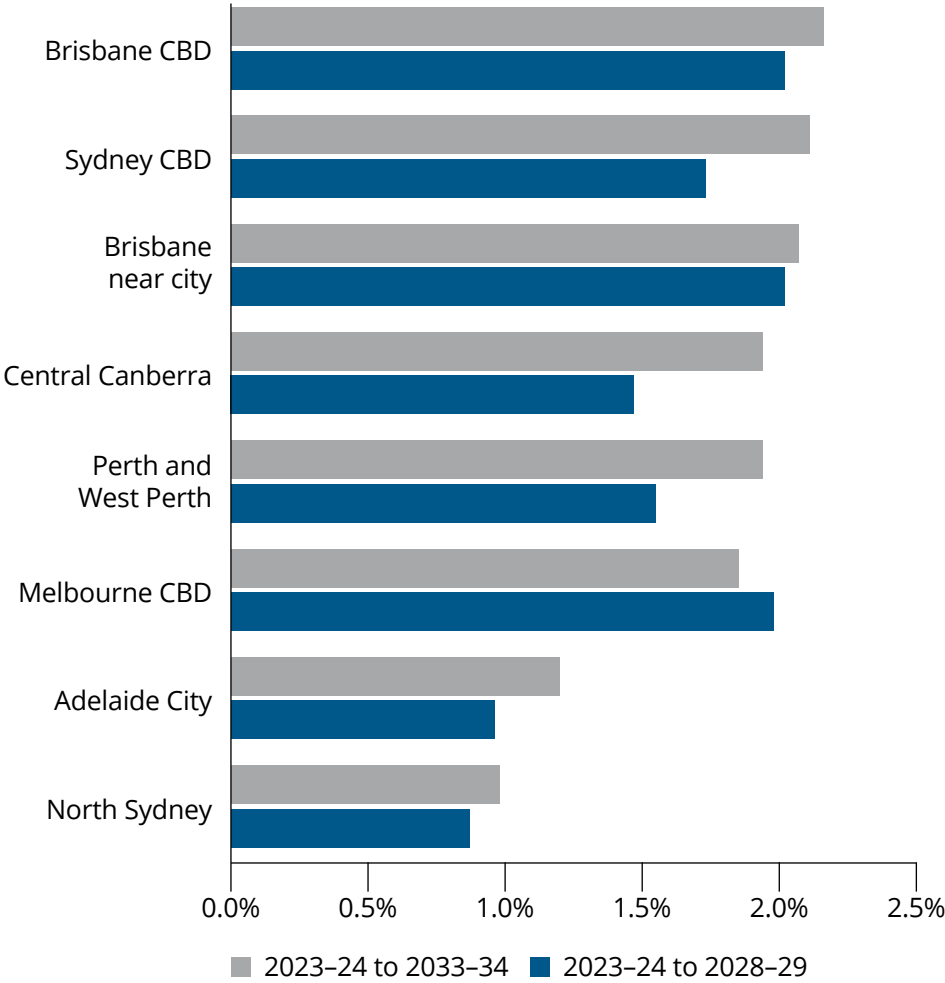
Regional employment growth examples

Figure 6 Greater capital city employment growth, 2023–34 to 2033–34



Source: Deloitte Access Economics Employment Forecasts August 2024 Edition

Figure 7 CBD white collar employment growth

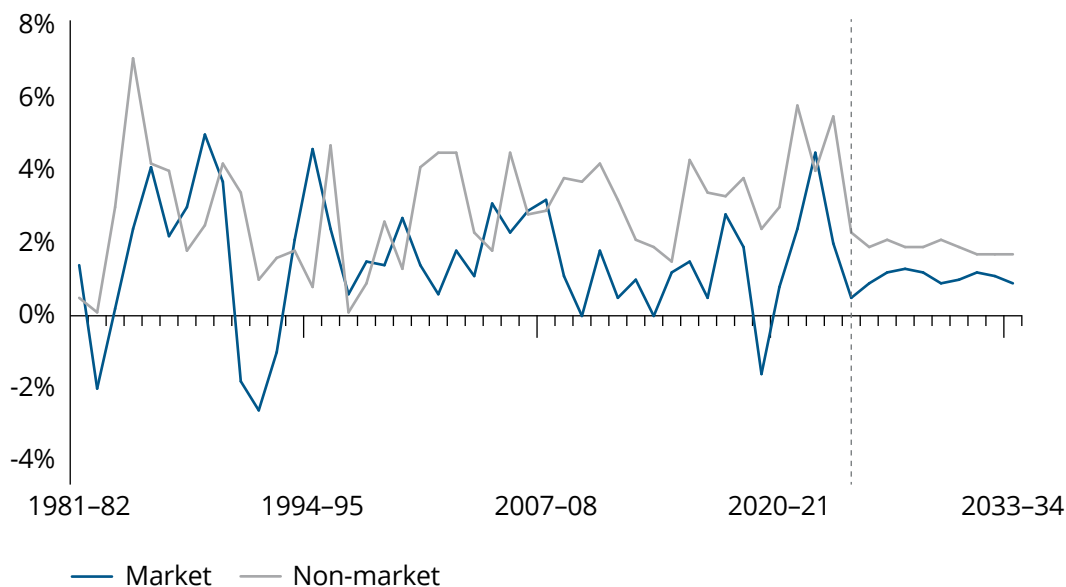


Source: Deloitte Access Economics Employment Forecasts August 2024 Edition

Insert useful data to promote worker classification employment growth

Other aggregation examples

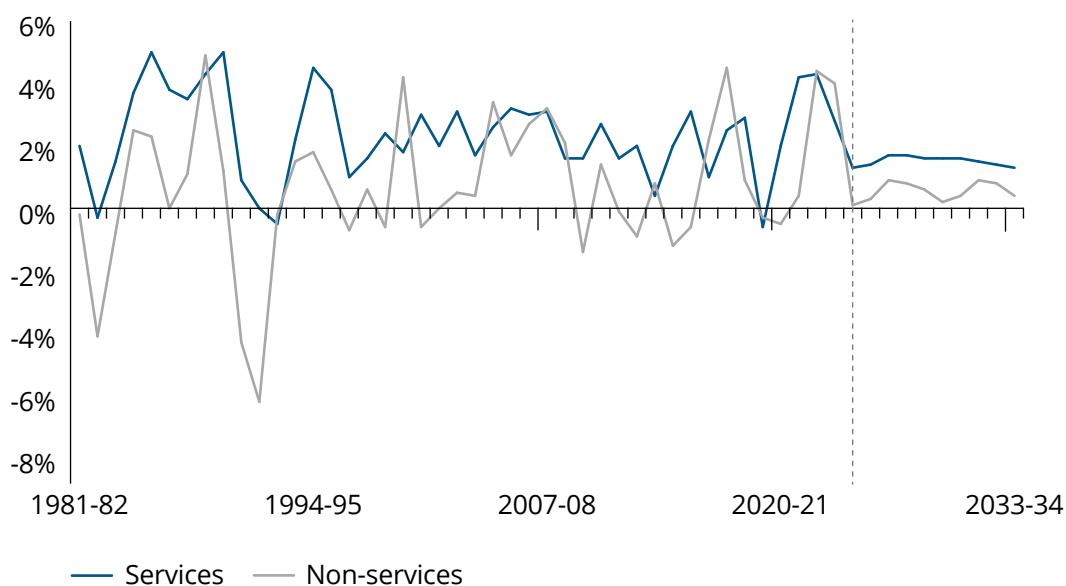
Figure 8 National market vs non-market employment growth, financial year



Source: Deloitte Access Economics Employment Forecasts August 2024 Edition

Note: The market and non-market series follow the ABS aggregation of ANZSIC 1-digit industries of market sector divisions.

Figure 9 National services vs non-services employment growth, financial year

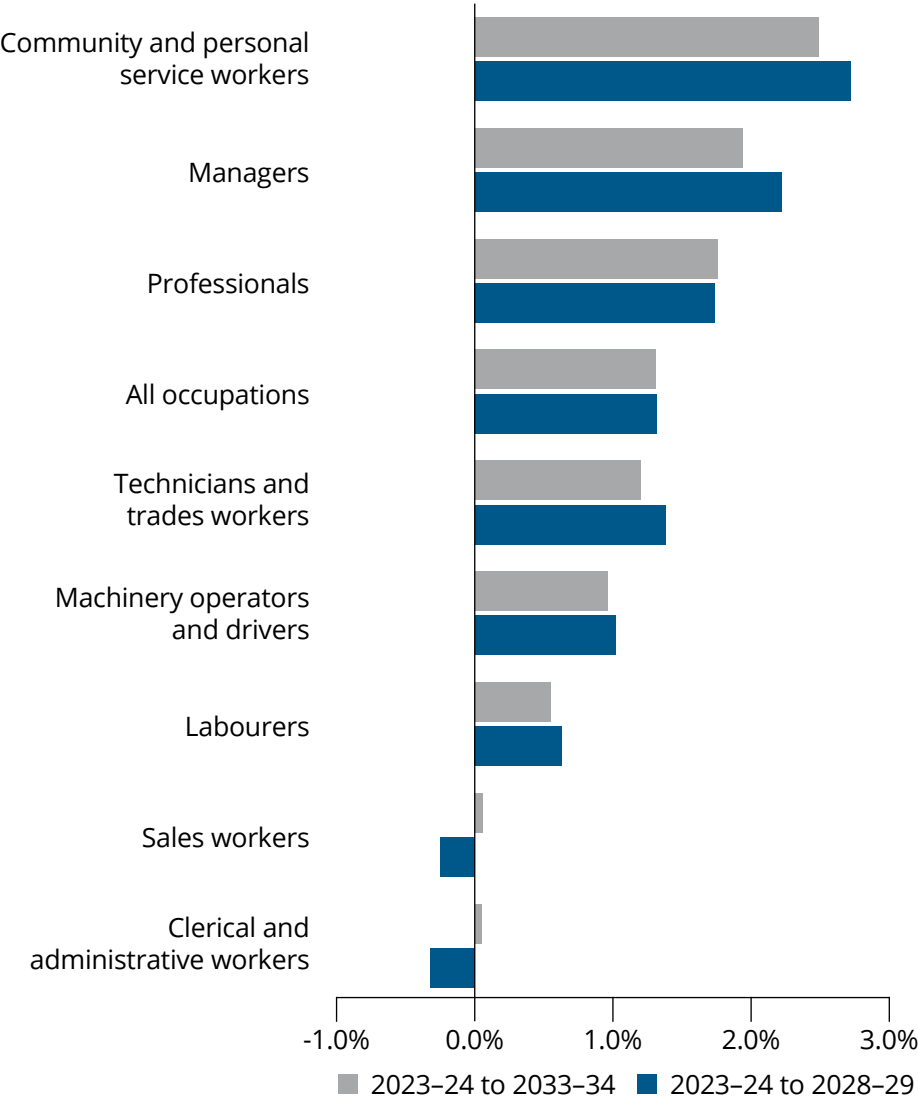


Source: Deloitte Access Economics Employment Forecasts August 2024 Edition

Note: The services series is defined as total industry employment excluding agriculture, mining, manufacturing, utilities, and construction.

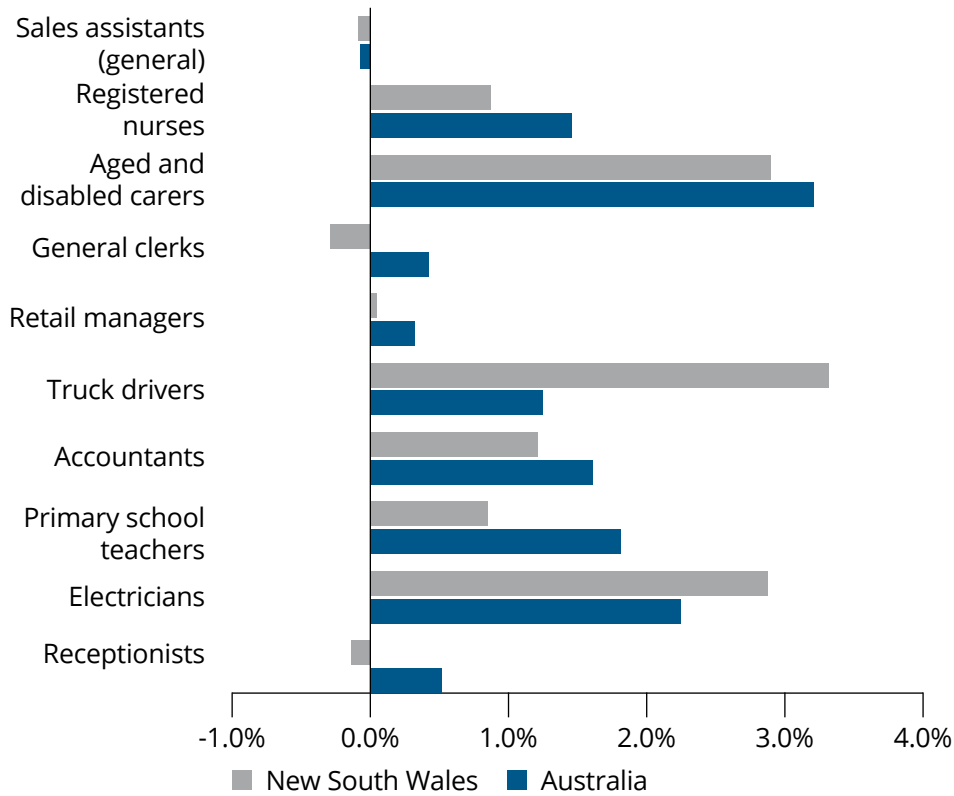
Occupation data Occupation employment growth examples examples

Figure 10 National occupation employment growth



Source: Deloitte Access Economics Employment Forecasts August 2024 Edition

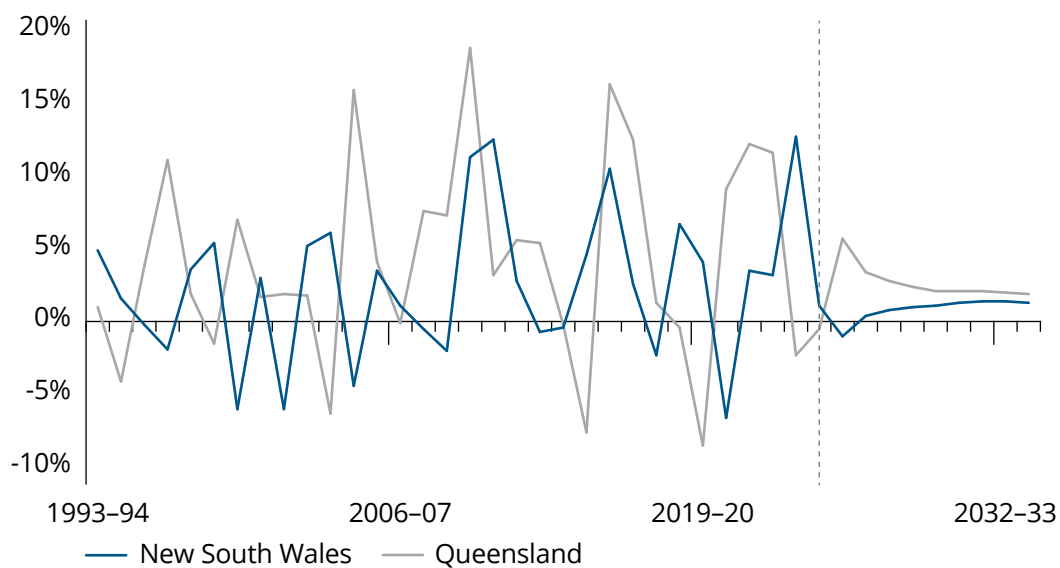
Figure 11 Occupation employment growth by top 10 detailed occupations



Source: Deloitte Access Economics Employment Forecasts August 2024 Edition

Note: The occupations are ordered by the top 10 occupations for Australia as of 2023-24

Figure 12 Select states and territories Registered Nurses employment growth



Source: Deloitte Access Economics Employment Forecasts August 2024 Edition



General
information

Approach

The *Employment Forecasts* publication is underpinned by the Deloitte Access Economics Australian Macroeconomic Model (DAEM), a dynamic model of the Australian economy which is regularly used for macroeconomic forecasting and incorporates demographic trends and global economic influences. Figure 13 in the Appendix outlines the modelling steps and describes the top-down approach that disaggregates DAEM forecasts into **industry**, **occupation**, and **regional employment** forecasts for the *Employment Forecasts* publication.

Place of work classification



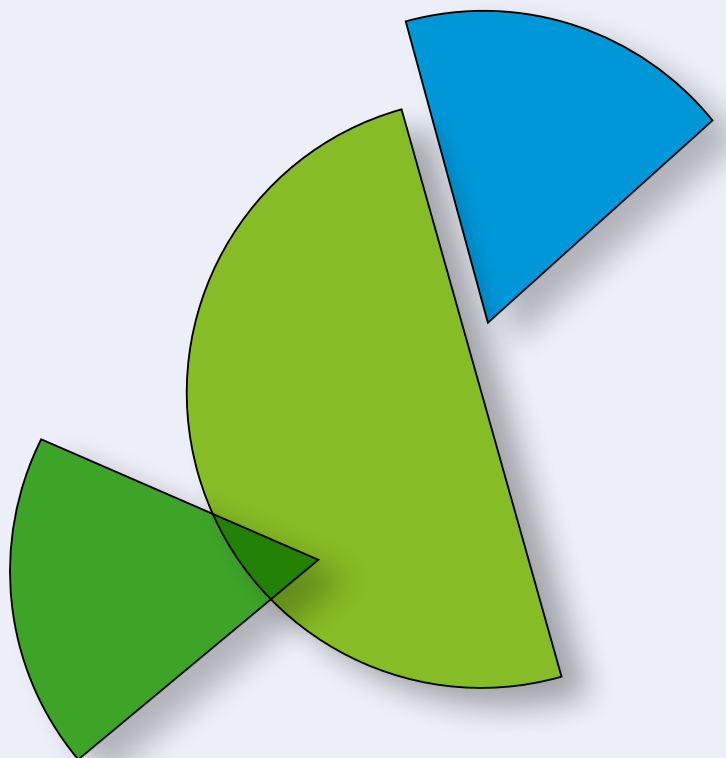
For state and lower-level disaggregation, *Employment Forecasts* presents employment on a Place of Work (POW) basis. This is distinct from the typical way that the Australian Bureau of Statistics (ABS) Labour Force Survey (LFS) employment data are reported, which is on a Place of Usual Residence (PUR) basis. At the national level, individuals are assumed to share the same POW and PUR. All sub-state level analysis accounts for differences between these values. The Australian Census of Population and Housing (Census) is used to establish the relationship between PUR and POW employment across all regions. For example, workers living in the Illawarra SA4 may work throughout areas in Greater Sydney and these trends are captured in the model.

The Australian Census of Population and Housing (Census) is used to establish the relationship between PUR and POW employment across all regions.

Benchmarking and data cleaning

Every quarter Deloitte Access Economics revises historical employment data based on adjustments by the ABS. In addition, every five years Deloitte Access Economics revises historical data when the new Census employment is released which is used to create new benchmarks across industries, occupations, and regions. When Census re-benchmarking occurs, there are revisions to the historical employment data between Census years. Given the granularity of data there is inherent risk of historical revisions and volatility in the estimates. Deloitte Access Economics cleans the underlying data to smooth the estimates and as such the historical industry and occupation employment estimates do not align with the ABS LFS Detailed release.

Every five years Deloitte Access Economics revises historical data when the new Census employment is released which is used to create new benchmarks across industries, occupations, and regions.



Appendix

Figure 13 Deloitte Access Economics forecasting approach



Figure 14 Sydney CBD boundary



Figure 15 North Sydney boundary



Figure 17 Brisbane CBD boundary



Figure 16 Melbourne CBD boundary

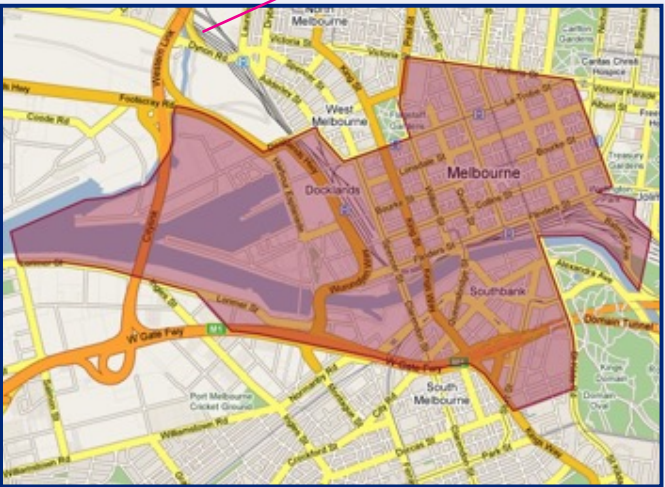


Figure 18 Brisbane Near City boundary



Figure 19 Adelaide City boundary



Figure 20 Perth CBD & West Perth boundary

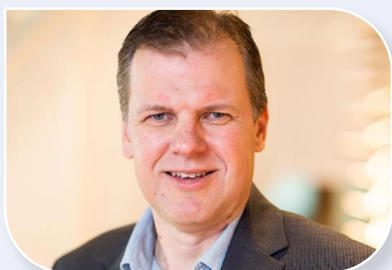


Figure 21 Canberra Central boundary





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