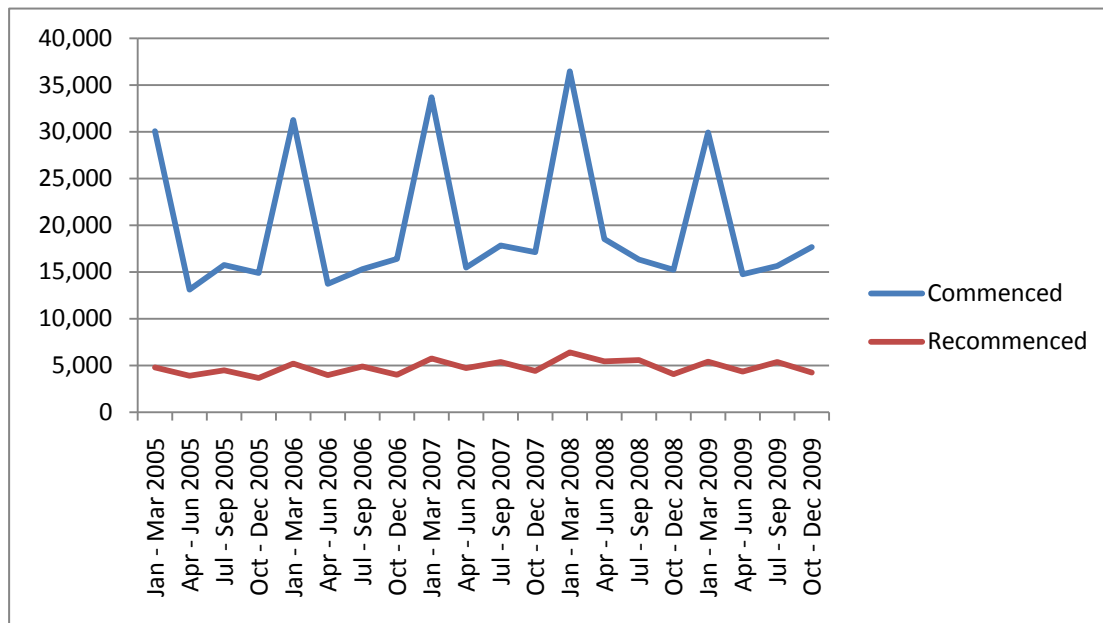


Figure 1 Commencements and recommencements, trades and technicians, 2005–09



Source: National Apprentice and Trainee Collection, March 2010 estimates (unpublished).

The adjustment factor

Our adjustment factor is derived as follows.

The contract completion rate can be conceptualised as:

$$\text{completions} / (\text{commencements} + \text{recommencements}).$$

Similarly, the individual completion rate can be conceptualised as:

$$\text{completions} / \text{commencements}.$$

Therefore the ratio of the individual completion rate to the contract completion rate is simply:

$$(\text{commencements} + \text{recommencements}) / \text{commencements}.$$

A new set of completion rates

Based on 2005–09 data we have calculated adjustment factors for each of the trade occupations. They are presented in table 2, together with the contract completion rate for 2005 (for the latest data available see NCVER [2010a]) and the derived individual completion rate.

Table 2 ‘Recommencement’ adjustment factor, contract and individual completion rates, trade occupations, commenced in 2005

	Average annual adjustment factor	Contract completion rate (%)	Individual completion rate (%)
31 Engineering, ICT and science technicians	1.04	60.8	63.2
32 Automotive and engineering trades workers	1.18	51.3	60.6
33 Construction trades workers	1.29	45.3	58.3
34 Electrotechnology and telecommunications trades workers	1.20	53.6	64.2
35 Food trades workers	1.42	27.7	39.2
36 Skilled animal and horticultural workers	1.09	48.3	52.6
39 Other technicians and trades workers	1.27	41.3	52.3
391 Hairdressers	1.45	36.5	52.8
392 Printing trades workers	1.08	54.1	58.3
393 Textile, clothing and footwear trades workers	1.07	46.5	49.7
394 Wood trades workers	1.20	45.3	54.4
399 Miscellaneous technicians and trades workers	1.05	52.2	55.0
3 Technicians and trades workers	1.24	45.6	56.6

We see that the individual completion rates are on average around a quarter higher than the contract completion rates, with considerable variation by trade. The largest adjustments are for hairdressing and the food trades, both of which have extremely low contract completion rates. Clearly, there is considerable employer churn going on in these occupations. The adjustment is smallest for engineering, ICT and science technicians, which in fact has the highest contract completion rate. However, when calculated for individuals, it loses this position to the electrotechnology and telecommunications trades workers.

The spread of completion rates is much narrower when calculated for individuals rather than contracts of training. At the contract level they range from 27.7% (food trades), to 60.8% (engineering, ICT and science technicians), while at the individual level the range is from 39.2% (food trades) to 64.2% (electrotechnology and telecommunications trades).

Conclusion

NCVER estimates of apprenticeship and traineeship completion rates have been criticised as being ‘too low’ for the trades. There has been a view that it makes more sense to calculate for an individual, who may change employers during the apprenticeship or traineeship. The apprenticeship and traineeship data collection does not allow this because of the difficulty of tracking individuals rather than contracts of training. However, analysis of recommencement data—dependent as they are on jurisdiction administrative processes—allows us to adjust estimates of contract completion rates to provide estimates of individual completion rates. These adjustments are of some substance in a number of the trades, although the trade most affected (food trades) still has the relatively low rate of completion, of just under 40% when calculated for an individual.

References

- NCVER (National Centre for Vocational Education Research) 2010a, *Australian vocational education and training statistics: apprentices and trainees, annual, 2009*, NCVER, Adelaide.
- 2010b, *Australian vocational education and training statistics: experimental completion and attrition rates for latest commencing apprentices and trainees*, NCVER, Adelaide.