

### Appendix 3. Ordinal regression models<sup>A</sup> of predictors of overall confidence in managing primary care paediatric presentations among GP registrars (n=894)

|  | Unadjusted |               |        | Adjusted <sup>B</sup> |               |        |
|--|------------|---------------|--------|-----------------------|---------------|--------|
|  | OR         | 95% CI        | P      | OR                    | 95% CI        | P      |
| <b>Training pathway</b>  |            |               |        |                       |               |        |
| RACGP  | -          | -             | -      | -                     | -             | -      |
| ACRRM  | 0.91       | (0.54, 1.56)  | 0.74   | 0.86                  | (0.49, 1.49)  | 0.59   |
| <b>Regional Training Organisation (Australian state)<sup>D</sup></b> |            |               |        |                       |               |        |
| GPSynergy (NSW/ACT)  | -          | -             | -      | -                     | -             | -      |
| GPTQ (Qld)   | 0.83       | (0.52, 1.30)  | 0.41   | 0.77                  | (0.48, 1.22)  | 0.27   |
| JCU GPT (Qld)  | 0.93       | (0.47, 1.85)  | 0.84   | 0.97                  | (0.46, 2.02)  | 0.93   |
| NTGPE (NT)   | 0.68       | (0.32, 1.46)  | 0.32   | 0.70                  | (0.32, 1.52)  | 0.36   |
| WAGPET (WA)  | 0.96       | (0.62, 1.49)  | 0.86   | 1.02                  | (0.64, 1.62)  | 0.94   |
| GPEX (SA)  | 0.83       | (0.49, 1.39)  | 0.47   | 0.91                  | (0.53, 1.55)  | 0.73   |
| GPTT (Tas)   | 1.13       | (0.53, 2.42)  | 0.75   | 1.25                  | (0.57, 2.75)  | 0.59   |
| EVGPT (Vic)  | 0.76       | (0.48, 1.22)  | 0.26   | 0.80                  | (0.49, 1.31)  | 0.38   |
| MCCC (Vic)   | 0.89       | (0.54, 1.45)  | 0.64   | 1.09                  | (0.66, 1.82)  | 0.73   |
| <b>Training level</b>  |            |               |        |                       |               |        |
| GPT 1 (reference)  | -          | -             | -      | -                     | -             | -      |
| GPT 2  | 1.54       | (1.02, 2.31)  | 0.04   | 1.52                  | (0.99, 2.34)  | 0.06   |
| GPT 3  | 2.55       | (1.55, 4.18)  | <0.001 | 2.62                  | (1.57, 4.36)  | <0.001 |
| GPT 4/Extended skills  | 3.09       | (1.99, 4.81)  | <0.001 | 3.01                  | (1.90, 4.78)  | <0.001 |
| Awaiting Fellowship  | 11.50      | (5.08, 26.05) | <0.001 | 12.34                 | (5.23, 29.13) | <0.001 |
| <b>DCH experience</b>  |            |               |        |                       |               |        |
| No   | -          | -             | -      | -                     | -             | -      |
| Yes  | 1.82       | (1.36, 2.43)  | <0.001 | 2.03                  | (1.49, 2.75)  | <0.001 |
| <b>Prevocational paediatric experience<sup>C</sup></b>               |            |               |        |                       |               |        |
| General population   | -          | -             | -      | -                     | -             | -      |
| Exclusive paediatric   | 2.11       | (1.44, 3.34)  | 0.001  | 2.54                  | (1.57, 4.10)  | <0.001 |
| Exclusive paediatric plus additional specialist training             | 4.79       | (2.92, 7.87)  | <0.001 | 6.74                  | (3.98, 11.44) | <0.001 |

<sup>A</sup>Separate models were fitted for each of training pathway, RTO, training level, DCH experience, and prevocational experience.

<sup>B</sup>Regression models were all adjusted for age and gender, as well as for other relevant predictors as follows: **Training pathway** model also adjusts for DCH experience, formal paediatric training and RTO; **DCH experience** model also adjusts for training level and RTO; **Training level** model also adjusts for formal paediatric training, training pathway, DCH experience and RTO; **RTO** model also adjusts for training level, formal paediatric training and DCH experience; **Prevocational paediatric experience** model also adjusts for training level and RTO.

<sup>C</sup>Only a subset of participants provided data on prevocational paediatric experiences (n=770).

<sup>D</sup>See Box 1 for Regional Training Organisation definitions.

CI, confidence interval; DCH, Diploma of Child Health; GPT, general practice training; OR, odds ratio; RTO, Regional Training Organisation; - indicates reference group, for which values are not calculated.