

BTS PLEURAL PROCEDURAL TRAINING STANDARDS – APPENDIX 1

EXPERT OPINION SURVEY

Methods

This survey was undertaken with the support of the UK Pleural Society via an online questionnaire sent to all UK clinical members. This survey was also highlighted at the BTS Open Pleural SAG meeting in November 2023.

Respondents were asked their position, principle area of work, if they performed each pleural procedure independently and unsupervised and if they were able to indicate a “minimum” number of procedures they would expect to have been undertaken as part of evidence to support the assessment of competence and capability in each specific pleural procedure

Results

In summary most respondents felt able to give an indication of minimum numbers needed “in general” and “as part of evidence to support entrustment to undertake unsupervised practice” for various procedures. Results are detailed in Table 2. Data from respondents who did not perform specific procedures were excluded. 40 responses were received, the majority of whom were consultant respiratory physicians who were involved in performing pleural procedures. Table 1 summarises the results.

Discussion

Most responding members of the UK pleural community responding to this survey felt able to offer an opinion regarding a minimum number of pleural procedures that would be expected to be performed before independent capability should be granted. Our working group hopes that the median number for each procedure from this data will be helpful to learners and trainers in planning and appraisal of any record of experiential learning in the process of considering CiP level 4 capability in any pleural procedure.

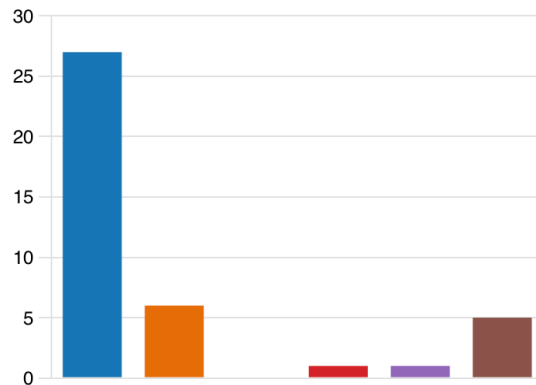
Figure 1 – Position and principle are of work of respondents

1. What is your position?

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● Consultant Physician	27
● Speciality Trainee	6
● IMT	0
● SAS Doctor	1
● Nurse Consultant	1
● Specialist Nurse	5



What is your principle area of work?

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● Respiratory Medicine	39
● Acute Medicine	1
● ITU / Critical care	0

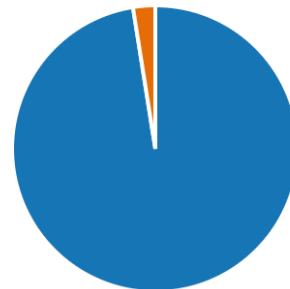


Figure 2 – performance of specific pleural procedures by respondents

Do you perform the following pleural procedures (**independently, unsupervised**)?

■ Yes - Regularly ■ Yes but only on occasion ■ No

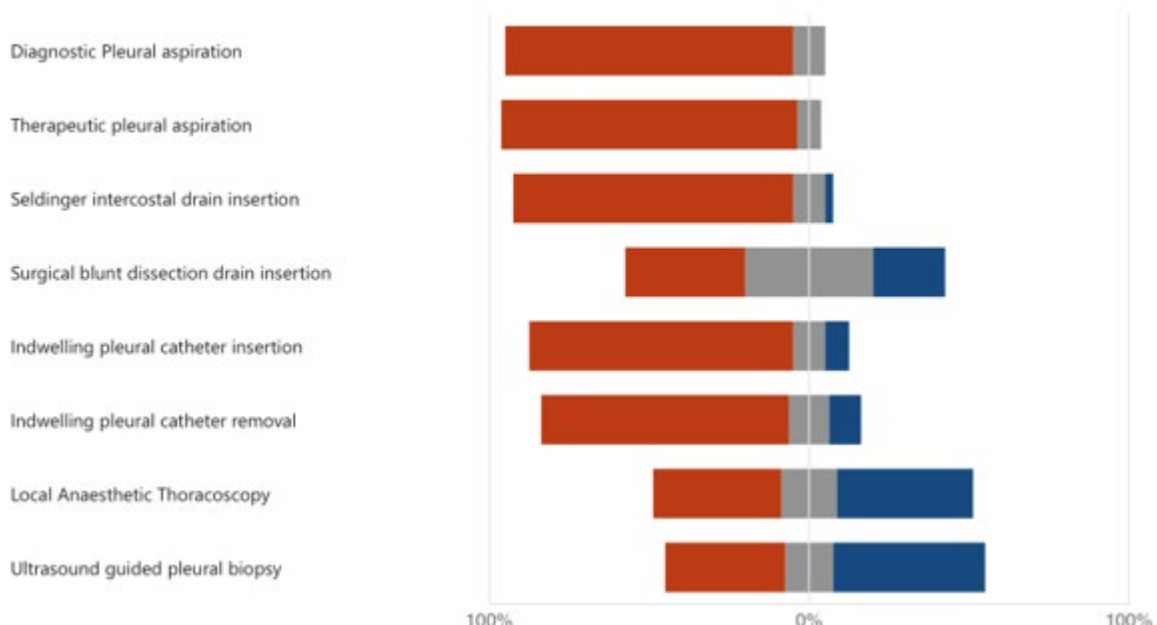


Table 1 – Indication of minimum numbers for each procedure from survey respondents

Procedure	Total Practitioners	Number of practitioners indicating a minimum number	Minimum for independent practice	Maximum for independent practice	Median for independent practice
Diagnostic Pleural aspiration	40	37	2	50	10
Therapeutic pleural aspiration	40	37	2	50	10
Seldinger intercostal drain insertion	39	36	3	50	10
Surgical blunt dissection drain insertion	31	28	2	100	10
Indwelling pleural catheter insertion	37	34	4	50	10
Indwelling pleural catheter removal	36	33	1	50	5
Local Anaesthetic Thoracoscopy	23	20	10	50	20
Ultrasound guided pleural biopsy	21	18	10	50	20

Figures 3 – 10 – Minimum numbers indicated by respondents in denominations of 5

Figure 3

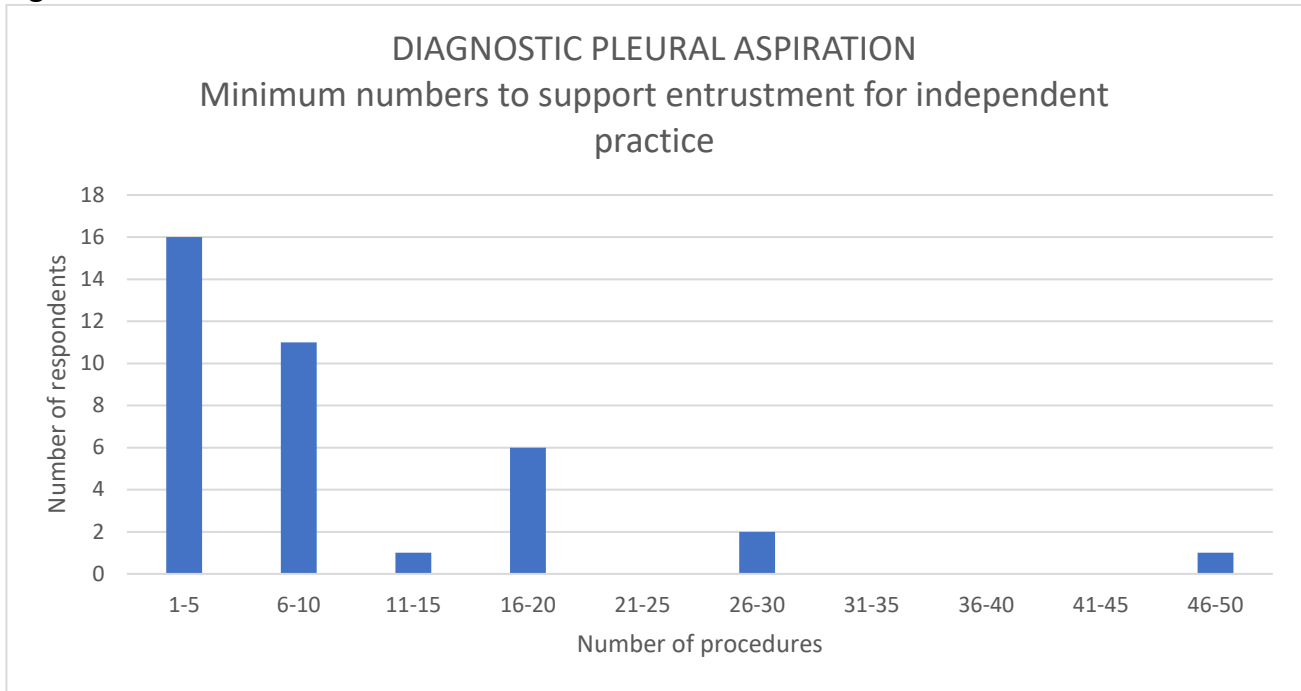


Figure 4

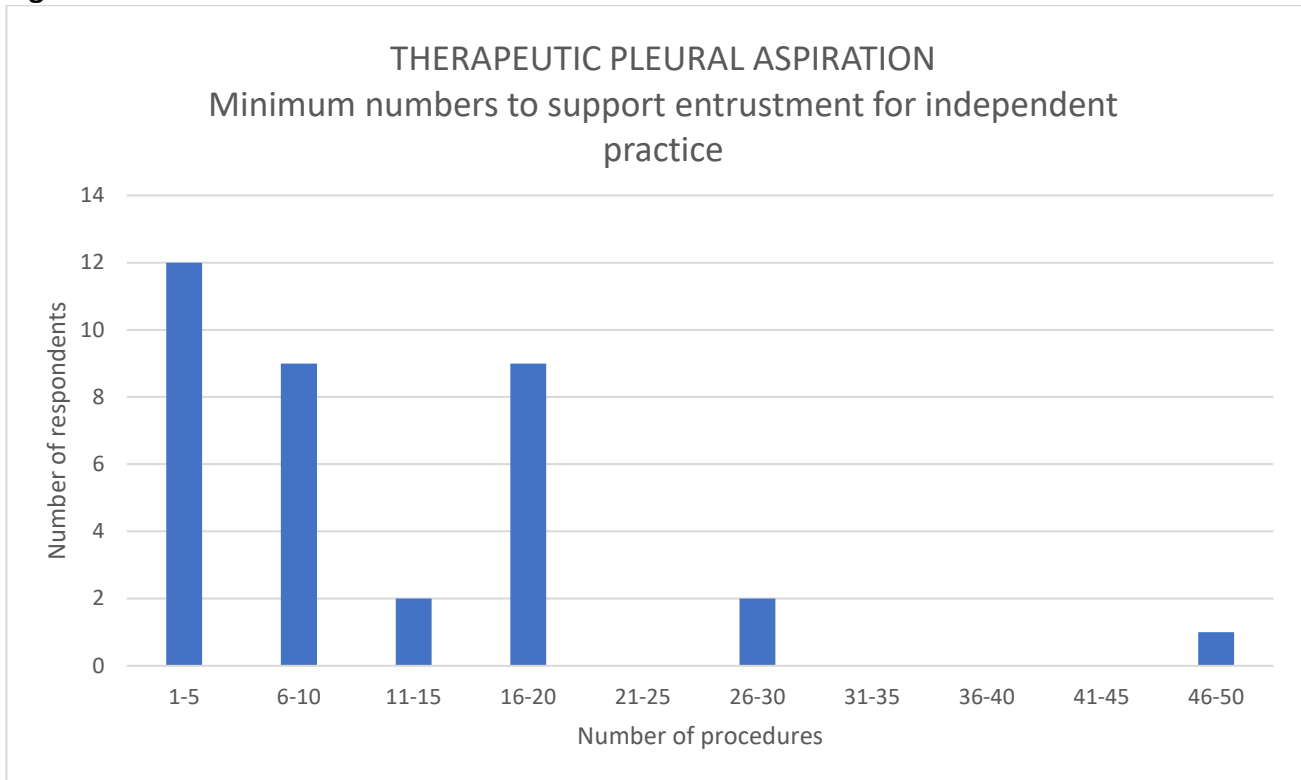


Figure 5

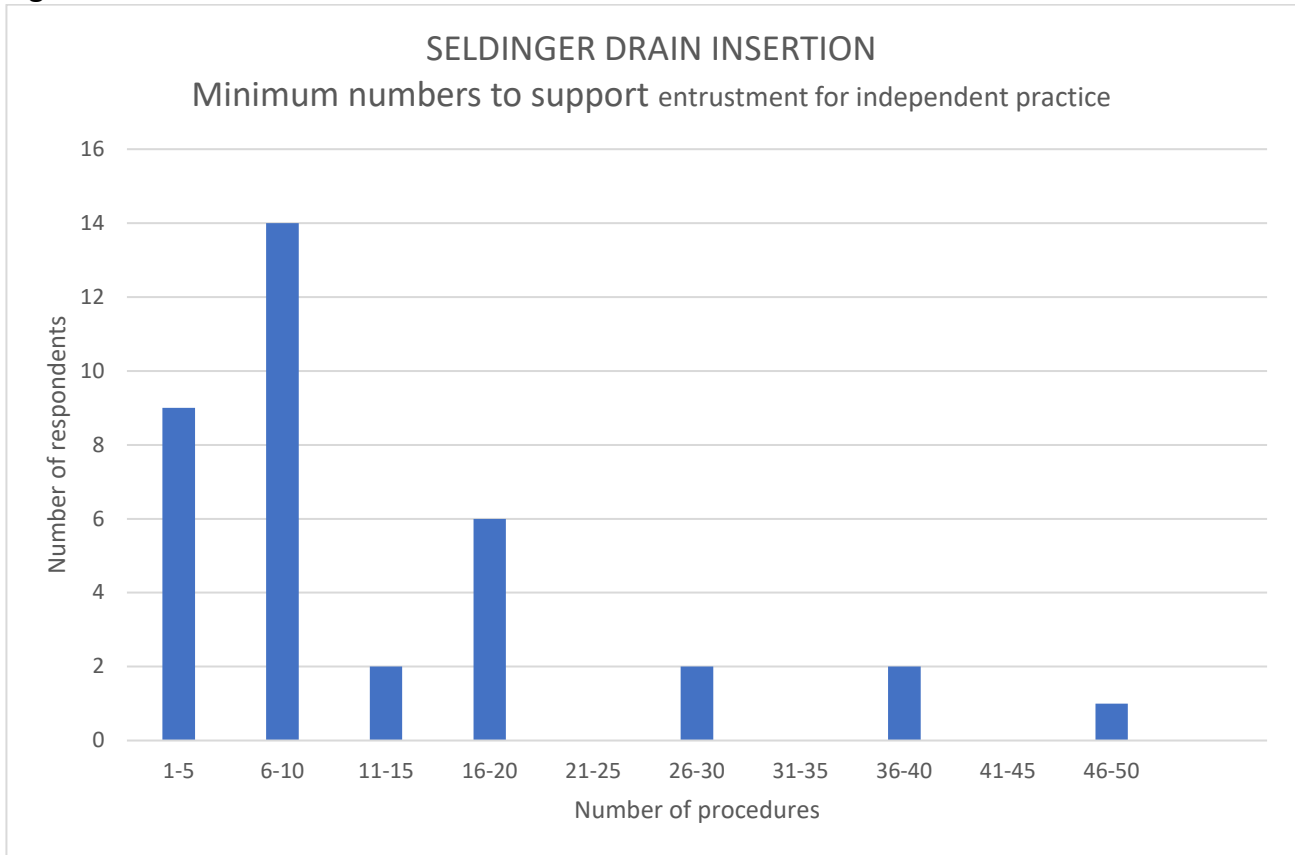


Figure 6

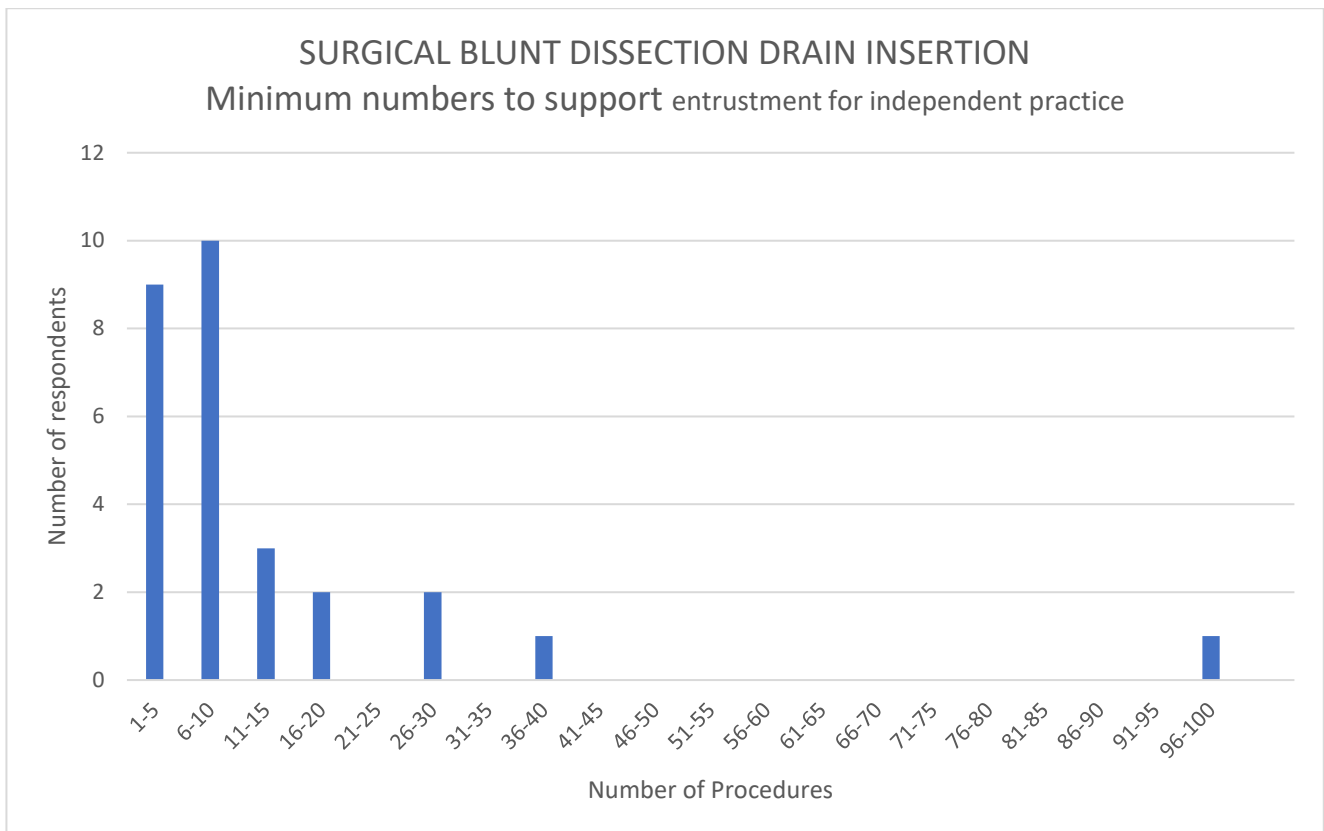


Figure 7

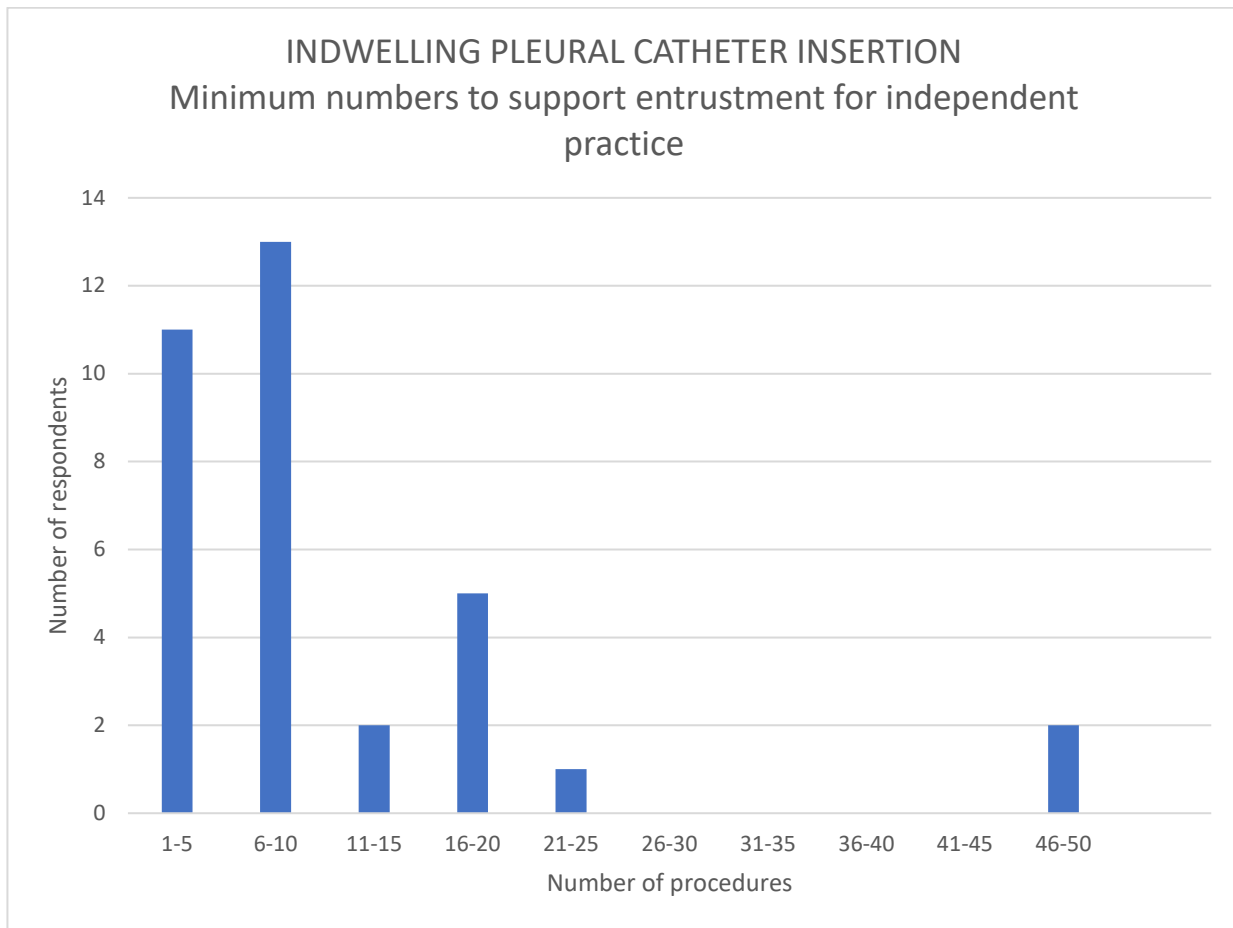


Figure 8

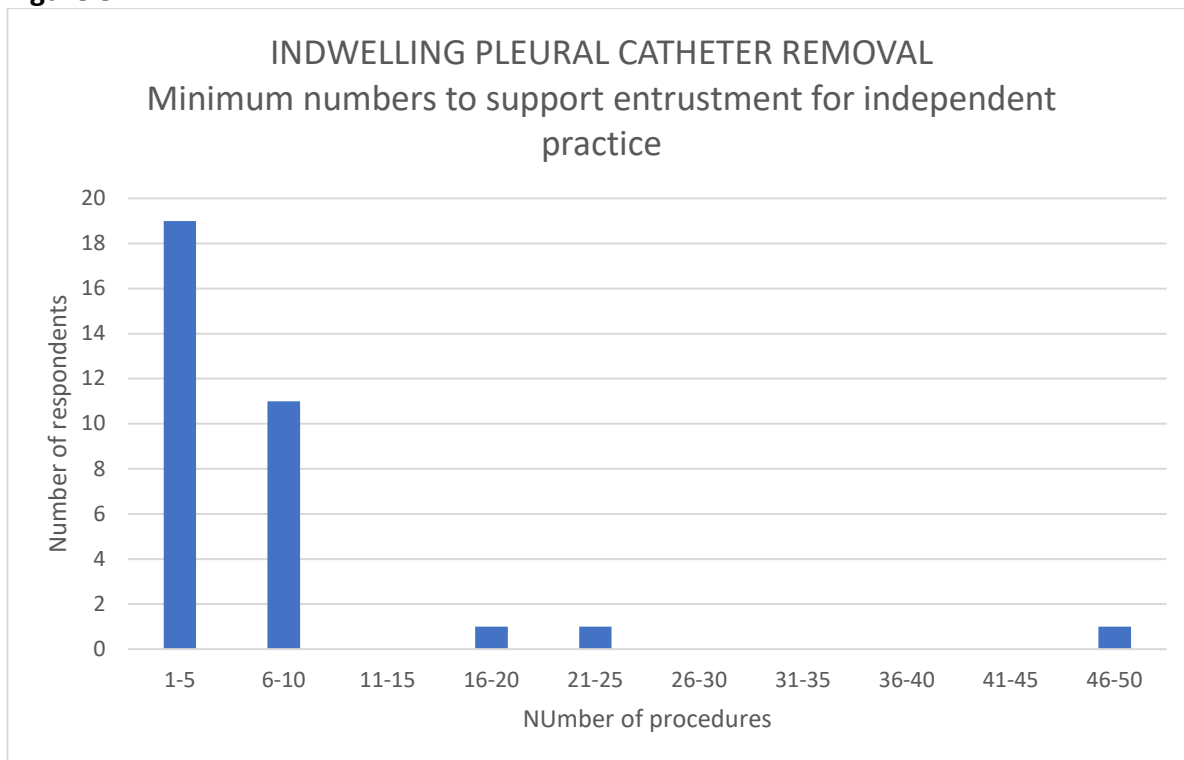


Figure 9

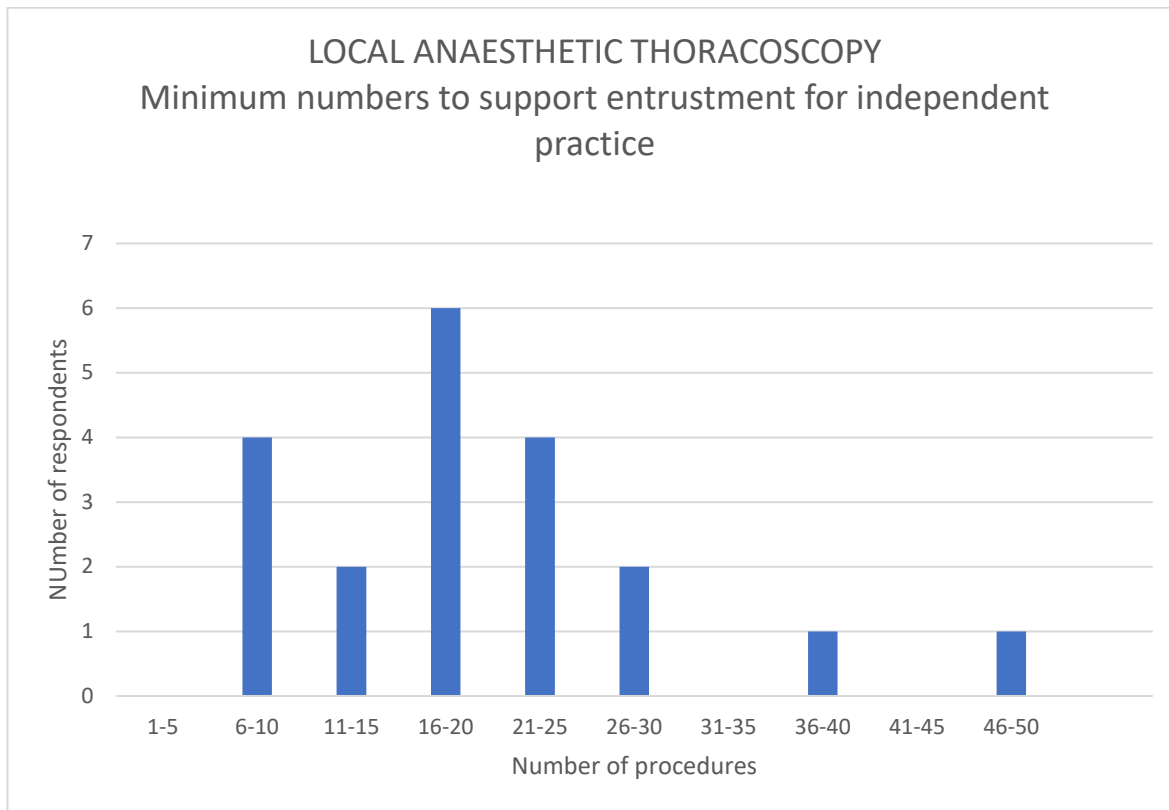


Figure 10

