

# **2019 NATIONAL TRAINEE SURVEY RESULTS**

**CARDIOLOGY**

**SPECIALTY SPECIFIC QUESTIONS**

**NOVEMBER 2019**

## Introduction

The Specialty Specific Questions have been developed to test trainee's access to, participation in or confidence in the attainment of specific aspects of the specialty training curriculum.

The questions have been included Programme Specific Questions in the annual GMC National Trainee Survey. The details of these questions and the trainee responses (nationally, by Deanery/LETB and by grade can be found within this report.

595 Cardiology trainees (149 ST3, 125 ST4, 138 ST5, 98 ST6, 83 ST7 and 2 ST8 trainees) completed the 2019 survey. A breakdown by Deanery / LETB and comparison to 2018 can be seen below:

| Deanery / LETB                                    | Year  | ST3 – ST5 | ST6 - ST8 | TOTAL | % Difference |
|---|---|-----------|-----------|-------|--------------|
| Defence Postgraduate Medical Deanery              | 2018  | 2         | 2         | 4     | -75%         |
|   | 2019  | 1         | 0         | 1     |              |
| Health Education East Midlands                    | 2018  | 27        | 9         | 36    | -6%          |
|   | 2019  | 25        | 9         | 34    |              |
| Health Education East of England                  | 2018  | 34        | 10        | 44    | -5%          |
|   | 2019  | 32        | 10        | 42    |              |
| Health Education Kent, Surrey and Sussex          | 2018  | 21        | 8         | 29    | + 0%         |
|   | 2019  | 22        | 7         | 29    |              |
| Health Education N, C & E London                  | 2018  | 33        | 10        | 43    | +19%         |
|   | 2019  | 36        | 15        | 51    |              |
| Health Education North East                       | 2018  | 18        | 8         | 26    | + 12%        |
|   | 2019  | 19        | 10        | 29    |              |
| Health Education North West                       | 2018  | 44        | 16        | 60    | - 3%         |
|   | 2019  | 39        | 19        | 58    |              |
| Health Education NW London                        | 2018  | 39        | 14        | 53    | + 0%         |
|   | 2019  | 38        | 15        | 53    |              |
| Health Education South London                     | 2018  | 22        | 18        | 40    | - 8%         |
|   | 2019  | 28        | 9         | 37    |              |
| Health Education South West                       | 2018  | 14        | 10        | 24    | + 17%        |
|   | 2019  | 22        | 6         | 28    |              |
| Health Education Thames Valley                    | 2018  | 12        | 8         | 20    | - 15%        |
|   | 2019  | 10        | 7         | 17    |              |
| Health Education Wessex                           | 2018  | 19        | 7         | 26    | + 31%        |
|   | 2019  | 16        | 18        | 34    |              |
| Health Education West Midlands                    | 2018  | 23        | 11        | 34    | + 0%         |
|   | 2019  | 25        | 9         | 34    |              |
| Health Education Yorkshire and the Humber         | 2018  | 21        | 17        | 38    | + 26%        |
|   | 2019  | 34        | 14        | 48    |              |
| Health Education and Improvement Wales            | 2018  | 27        | 7         | 34    | + 3%         |
|   | 2019  | 21        | 14        | 35    |              |
| NHS Education for Scotland                        | 2018  | 32        | 23        | 55    | - 20%        |
|   | 2019  | 28        | 16        | 44    |              |
| Northern Ireland Medical & Dental Training Agency | 2018  | 12        | 6         | 18    | + 17%        |
|   | 2019  | 16        | 5         | 21    |              |
| TOTAL   | 2018  | 400       | 184       | 584   | + 2%         |
|   | 2019  | 412       | 183       | 595   |              |
|   | Reduction of >10% of trainees completing the NTS in 2019 compared to 2018 |           |           |       |              |

## Executive Summary

There were significant regional differences in trainee responses for many of the 18 Cardiology specialty specific questions asked in 2019.

96% of ST6-ST7 trainees overall agreed they were undertaking their first choice modules, with 11/16 regions receiving 100% trainee agreement. Trainee agreement in the remaining five regions was: North West (95%), Scotland (94%), Wessex (89%), and Kent, Surrey & Sussex and Wales (86%).

96% of trainees overall reported their training as Highly Effective or Effective in equipping them for independent practice as a consultant cardiologist with 13/16 regions reporting 100% Highly Effective or Effective. **Thames Valley was however an outlier with only 50% of trainees reporting their training as Highly Effective or Effective with the remaining 50% reporting Neither effective nor ineffective.**

83% of trainees overall reported the quality of the clinical supervision (including feedback) they had received when dealing with outpatients was Very good or Good.

61% of ST3-ST7 trainees overall attended at least two outpatient clinics on average per week with a further 37% of trainees attending one clinic per week. 1% of trainees reported attending 5 or more outpatient clinics on average per week.

53% of ST6-ST7 trainees agreed they could easily complete core competencies in ST3 to ST5, down 6% on 2018. Agreement was lowest in East of England at 20%.

47% of ST6-ST7 trainees reported they spent in excess of 60% of their working time training in their advanced modules, a 3% increase on 2018.

45% of ST3-ST5 trainees reported the receipt of free delivery of simulation training in their ST3 year, with a further 24% of trainees bearing the cost from their own funds for this training.

34% of ST3-ST5 trainees reported using BSE Accreditation to complete core echocardiography training, with a further 35% reporting using both BSE Accreditation and Curriculum based elearning/logbook.

## Specialty Specific Questions

| Specialty Specific Questions  | % trainees agreeing overall   | 2018/2019 Difference                   | Agreement Highest in 2019   | Agreement Lowest in 2019   | % difference [Range]   |
|---|---|--|---|--|--|
| 1) How often do you attend joint cardiology/cardiothoracic multidisciplinary or 'Heart team' meetings? <b>(ST3 – ST7)</b> | <b>2018: 2019:</b><br>>1/wk: 8% 10%<br>1/wk: 37% 36%<br>1-3/mth:25% 25%<br><1/mth:17% 14%<br>N/A:13% 14%  | + 2%<br>- 1%<br>+0%<br>-3%<br>+ 1%     | London (N, C & E) 41%<br>London (NW) 55%<br>West Midlands 47%<br>Wessex 29%<br>North West 43%                 | Wales, WMD 0%<br>North West 19%<br>Wessex 9%<br>South West 0%<br>Northern Ireland 0%                                   | 41 [0-41]<br>36 [19-55]<br>38 [9-47]<br>29 [0-29]<br>43 [0-32]             |
| 2) How did you secure access to sub-specialty training in your chosen advanced modules? <b>(ST6, ST7 only)</b>            | <b>2018: 2019:</b><br>• Formal selection interview 48% 52%<br>• Informal arrangement locally with ES 36% 34%<br>• No formal arrangement 15% 14% | +4%<br>-2%<br>-1%                      | KSS, LDN (NW & Sth) 100%<br>North East 80%<br>Thames Valley 43%   | East of England 10%<br>5/16 regions 0%<br>6/16 regions 0%  | 90 [10-100]<br>80 [0-80]<br>43 [0-43]                                      |
| 3) Are you undertaking your first choice module(s)? <b>(ST6, ST7 only)</b><br><b>Strongly agree/Agree</b>                 | <b>2018: 2019:</b><br>97% 96%   | -1%                                    | 11/16 regions 100%<br>North West 95%<br>Scotland 94%  | KSS, Wales 86%<br>Wessex 89%   | 14 [86-100]  |
| 4) I could easily complete all my core competencies in ST3 to 5 <b>(ST6, ST7 only)</b><br><b>Strongly agree/Agree</b>     | <b>2018: 2019:</b><br>59% 53%   | -6%                                    | West Midlands 78%<br>London (NW) 67%<br>Yorkshire & Humber 64%<br>Scotland 63%                                | East of England 20%<br>KSS, THV 43%<br>EMD, London (S) 44%<br>NE, SW, Wessex 50%                                       | 58 [20-78]   |
| 5) On average, what proportion of your working time involves training in your advanced modules? <b>(ST6, ST7 only)</b>    | <b>2018: 2019:</b><br>0%: 1% 0%<br>1-20%: 5% 3%<br>21-40%: 16% 17%<br>41-60%: 35% 33%<br>61-80%: 29% 25%<br>81-100%: 15% 22%                    | -1%<br>-2%<br>+1%<br>-2%<br>-4%<br>+7% | East of England 10%<br>East of England 40%<br>North East 70%<br>Northern Ireland 40%<br>London (N, C & E) 60% | 16/16 regions 0%<br>12/16 regions 0%<br>West Midlands 0%<br>Wessex 11%<br>EoE, North East 10%<br>EMD, Scotland, Y&H 0% | 0 [N/A]<br>10 [0-10]<br>40 [0-40]<br>59 [11-70]<br>30 [10-40]<br>60 [0-60] |

| Specialty Specific Questions   | % trainees agreeing overall | 2018/2019 Difference | Agreement Highest        | Agreement Lowest          | % difference [Range] |
|--|-----------------------------|----------------------|--------------------------|---------------------------|----------------------|
| 6) Have you been exposed to pregnant patients with heart disease, in a clinical environment which facilitated training? (ST6, ST7 only)                | 2018: 2019:                 |                      |                          |                           |                      |
| • Yes, fulfilling core curriculum  | 67% 72%                     | +5%                  | WMD, Yorks & Humber 100% | Thames Valley 29%         | 71 [29-100]          |
| • Yes, not fulfilling curriculum   | 26% 18%                     | -8%                  | Thames Valley 43%        | LDN (S), WMD, Y & H 0%    | 43 [0-43]            |
| • Not at all   | 7% 10%                      | +3%                  | KSS, Thames Valley 29%   | 5/16 regions 0%           | 29 [0-29]            |
| 7) On average, what proportion of your time involved managing cardiac patients in an acute setting (CCU, A&E, Acute Medical Unit) (ST3, ST4, ST5 only) | 2018: 2019:                 |                      |                          |                           |                      |
|  | 0%: 0% 0%                   | +0%                  | Wales 5%                 | 15/16 regions 0%          | 5 [0-5]              |
|  | 1-20%: 10% 7%               | -3%                  | North East 16%           | LDN (NW & South) 0%       | 16 [0-16]            |
|  | 21-40%: 31% 26%             | -5%                  | EMD, Thames Valley 40%   | Northern Ireland 13%      | 27 [13-40]           |
|  | 41-60%: 32% 29%             | -3%                  | Yorkshire and Humber 44% | Thames Valley 0%          | 44 [0-44]            |
|  | 61-80%: 18% 21%             | +3%                  | KSS 41%                  | Wales 10%                 | 31 [10-41]           |
|  | 81-100%: 9% 17%             | +8%                  | London ( NW) 37%         | North West 5%             | 32 [5-37]            |
| 8) In which area do you usually work when you are on call? (ST3 – ST7)   | 2018: 2019:                 |                      |                          |                           |                      |
| • Acute Medicine   | 38% 37%                     | -1%                  | South West 57%           | Thames Valley 18%         | 39 [18-57]           |
| • Cardiology with primary PCI  | 55% 57%                     | +2%                  | Thames Valley 76%        | South West 43%            | 33 [43-76]           |
| • Cardiology w/o primary PCI   | 6% 6%                       | +0%                  | London (N, C & E) 25%    | LDN (S), NE, NI, SW 0%    | 25 [0-25]            |
| • Other  | 1% 1%                       | +0%                  | London (N, C & E) 4%     | 13/16 regions 0%          | 4 [0-4]              |
| 9) In an average week, how many outpatient clinics do you attend? (ST3 – ST7)  | 2018: 2019:                 |                      |                          |                           |                      |
|  | 0: 3% 3%                    | +0%                  | Northern Ireland 14%     | 9/16 regions 0%           | 14 [0-14]            |
|  | 1: 39% 37%                  | -2%                  | Thames Valley 76%        | West Midlands 18%         | 58 [18-76]           |
|  | 2: 50% 52%                  | +2%                  | West Midlands 71%        | Thames Valley 18%         | 53 [18-71]           |
|  | 3: 7% 8%                    | +1%                  | East of England 21%      | EMD, LDN (NW), SW, THV 0% | 21 [0-21]            |
|  | 4: 1% 0%                    | -1%                  | LDN ( N, C, & E, NW) 2%  | 14/16 regions 0%          | 2 [0-2]              |
|  | 5+: 0% 1%                   | +1%                  | North East 3%            | 13/16 regions 0%          | 3 [0-3]              |

| Specialty Specific Questions  | % trainees agreeing overall  | 2018/2019 Difference                   | Agreement Highest  | Agreement Lowest  | % difference [Range]  |
|---|--|--|--|---|---|
| 10) How effective has your training been in equipping you for independent practice as a consultant cardiologist? <b>(ST7 only)</b><br><b>Highly Effective/Effective</b>   | <b>2018: 2019:</b><br><br>89% 96%  | +7%                                    | 13/16 regions 100%<br>Wessex 86%   | Thames Valley 50%<br>Scotland 78%   | 50 [50-100]   |
| 11) Within the last year how many non-clinical management meetings have you attended? <b>(ST6, ST7 only)</b>  | <b>2018: 2019:</b><br>0: 37% 36%<br>1-5: 51% 51%<br>6-10: 8% 8%<br>11+: 5% 5%  | -1%<br>+0%<br>+0%<br>+0%               | North West 63%<br>Yorkshire & Humber 79%<br>Northern Ireland 40%<br>London (N, C & E) 40%                | East Midlands 11%<br>London (N, C & E) 20%<br>7/16 regions 0%<br>13/16 regions 0%                           | 52 [11-63]<br>59 [20-79]<br>40 [0-40]<br>40 [0-40]                      |
| 12) Which of the following are you using to complete core echocardiography training? <b>(ST3, ST4, ST5 only)</b><br><ul style="list-style-type: none"> <li>BSE Accreditation</li> <li>Curriculum based e-learning/logbook</li> <li>Both of above</li> </ul> | <b>2018: 2019:</b><br>39% 34%<br>27% 30%<br>34% 35%  | -5%<br>+3%<br>+1%                      | Wessex 81%<br>East of England 66%<br>Kent, Surrey & Sussex 59%   | Kent, Surrey & Sussex 0%<br>LDN (N,C & E), WMD 0%<br>Thames Valley 10%                                      | 81 [0-81]<br>66 [0-66]<br>49 [10-59]                                    |
| 13) What proportion of your outpatient clinics have a consultant available for consultation? <b>(ST3 – ST7)</b>   | <b>2018: 2019:</b><br>0%: 1% 1%<br>1-20%: 1% 1%<br>21-40%: 1% 3%<br>41-60%: 9% 7%<br>61-80%: 14% 18%<br>81-100%: 74% 71% | +0%<br>+0%<br>+2%<br>-2%<br>+4%<br>-3% | Northern Ireland 10%<br>South West 7%<br>EoE, South West 7%<br>South West 21%<br>Wales 40%<br>Wessex 91% | 13/16 regions 0%<br>12/16 regions 0%<br>7/16 regions 0%<br>LDN (S) NE, NI, THV 0%<br>Wessex 0%<br>Wales 46% | 10 [0-10]<br>7 [0-7]<br>7 [0-7]<br>21 [0-21]<br>40 [0-40]<br>45 [46-91] |

| Specialty Specific Questions   | % trainees agreeing overall  | 2018/2019 Difference  | Agreement Highest   | Agreement Lowest  | % difference [Range]   |
|--|--|-----------------------|---|---|--|
| <p>14) In this post how would you rate the quality of the clinical supervision (including feedback) you have received when dealing with outpatients? <b>(ST3 – ST7)</b></p> <ul style="list-style-type: none"> <li>Very good/Good:</li> <li>N/A (No outpatients dealt with)</li> </ul> | <p><b>2018:</b>      <b>2019:</b></p> <p>85%      83%</p> <p>1%      1%</p>  | <p>-2%</p> <p>+0%</p> | <p>Thames Valley 94%</p> <p>London (NW) 89%</p> <p>West Midlands 88%</p> <p>Wessex 85%</p> <p>LDN (N, C, E), Scot, Y&amp;H 84%</p>  | <p>South West 68%</p> <p>East of England 76%</p> <p>North East 79%</p> <p>LDN (S), NI 81%</p> <p>EMD, KSS, NW, Wales 83%</p>                            | <p>26 [68-94]</p>  |
| <p>15) In your ordinary working week are you able to find time for supporting professional activities such as audit or quality improvement? <b>(ST3-ST7)</b></p>   | <p><b>2018:</b>      <b>2019:</b></p> <p>Yes: 52%      49%</p> <p>No: 48%      51%</p>                             | <p>-3%</p> <p>+3%</p> | <p>Northern Ireland 71%</p> <p>North East 62%</p> <p>Yorkshire &amp; Humber 60%</p> <p>LDN (N, C, E) 57%</p> <p>South West 54%</p> <p>Thames Valley 53%</p> <p>North West, Scotland 52%</p> | <p>London (S) 35%</p> <p>East Midlands 38%</p> <p>London (NW), Wales 40%</p> <p>KSS, West Midlands 41%</p> <p>Wessex 47%</p> <p>East of England 48%</p> | <p>36 [35-71]</p>  |
| <p>16) How often, if at all, do you receive bleep-free training in echocardiography? <b>(ST3 – ST5)</b></p>  | <p><b>2019:</b></p> <p>&gt;1/wk: 10%</p> <p>1/wk: 31%</p> <p>1-3/mth: 30%</p> <p>&lt;1/mth: 21%</p> <p>N/A: 8%</p> | <p>2019 only</p>      | <p>London (N, C &amp;E) 31%</p> <p>West Midlands 52%</p> <p>KSS, North West 41%</p> <p>Wales 38%</p> <p>Yorks &amp; Humber 21%</p>  | <p>Wales, Yorks &amp; Humber 0%</p> <p>North West 15%</p> <p>Thames Valley 10%</p> <p>Northern Ireland 6%</p> <p>5/16 regions 0%</p>                    | <p>31 [0-31]</p> <p>37 [15-52]</p> <p>31 [10-41]</p> <p>32 [6-38]</p> <p>21 [0-21]</p> |

| Specialty Specific Questions  | % trainees agreeing overall                | 2018/2019 Difference | Agreement Highest  | Agreement Lowest  | % difference [Range]                               |
|---|--|----------------------|--|---|--|
| 17) Who supervises this echo training?<br><b>(ST3 – ST5)</b> <ul style="list-style-type: none"> <li>BSE accredited physiologist</li> <li>Non accredited physiologist</li> <li>Consultant cardiologist</li> <li>Unsupervised</li> </ul>  | <b>2019:</b><br><br>79%<br>3%<br>10%<br>8% | 2019 only            | London (South) 100%<br>East of England 13%<br>Scotland 29%<br>Yorks & Humber 26% | Yorks & Humber 59%<br>7/16 regions 0%<br>LDN (S),NW, WMD 0%<br>LDN (S), NI, SW 0% | 41 [59-100]<br>13 [0-13]<br>29 [0-29]<br>26 [0-26] |
| 18 Did you receive simulation training in your ST3 year)?<br><b>(ST3-ST5)</b> <ul style="list-style-type: none"> <li>Yes, delivered to me free</li> <li>Yes, the cost of which I met through my study budget</li> <li>Yes, the cost of which I met from my own funds</li> </ul> | <b>2019:</b><br><br>45%<br>31%<br>24%      | 2019 only            | KSS 95%<br>London (S), Wessex 50%<br><br>Wales 57%                               | Northern Ireland 13%<br>KSS, Thames Valley 0%<br><br>Wessex 0%                    | 82 [13-95]<br>50 [0-50]<br><br>57 [0-57]           |

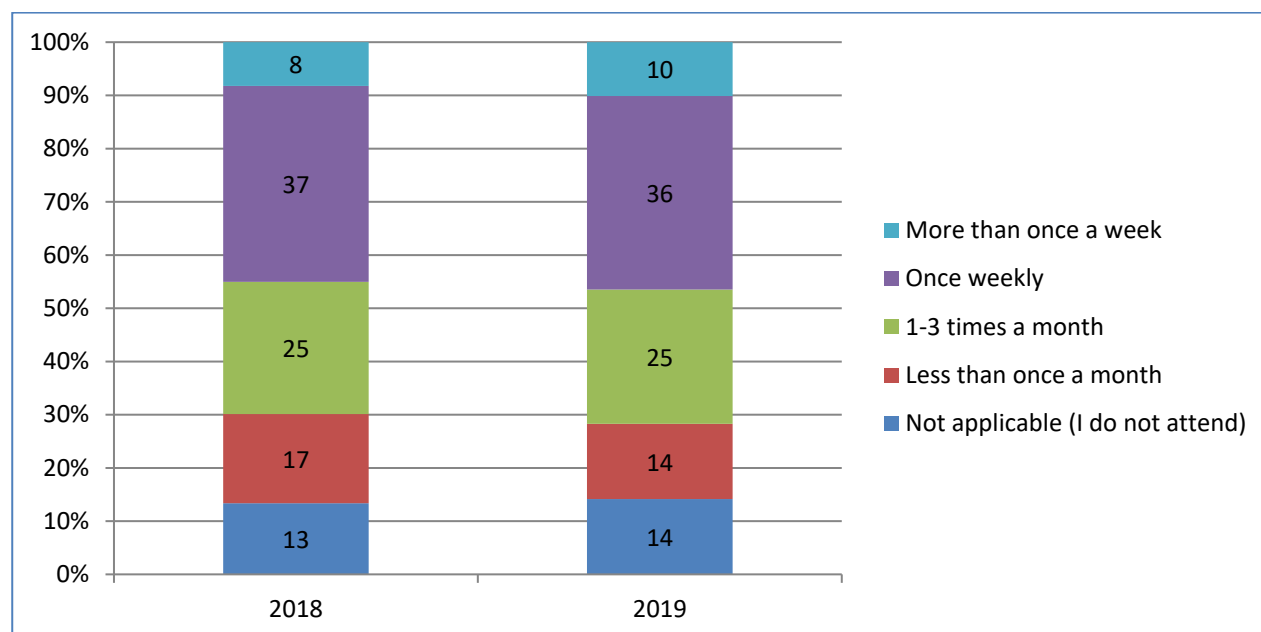


## 1) How often do you attend joint cardiology/cardiothoracic multidisciplinary or 'Heart team' meetings?

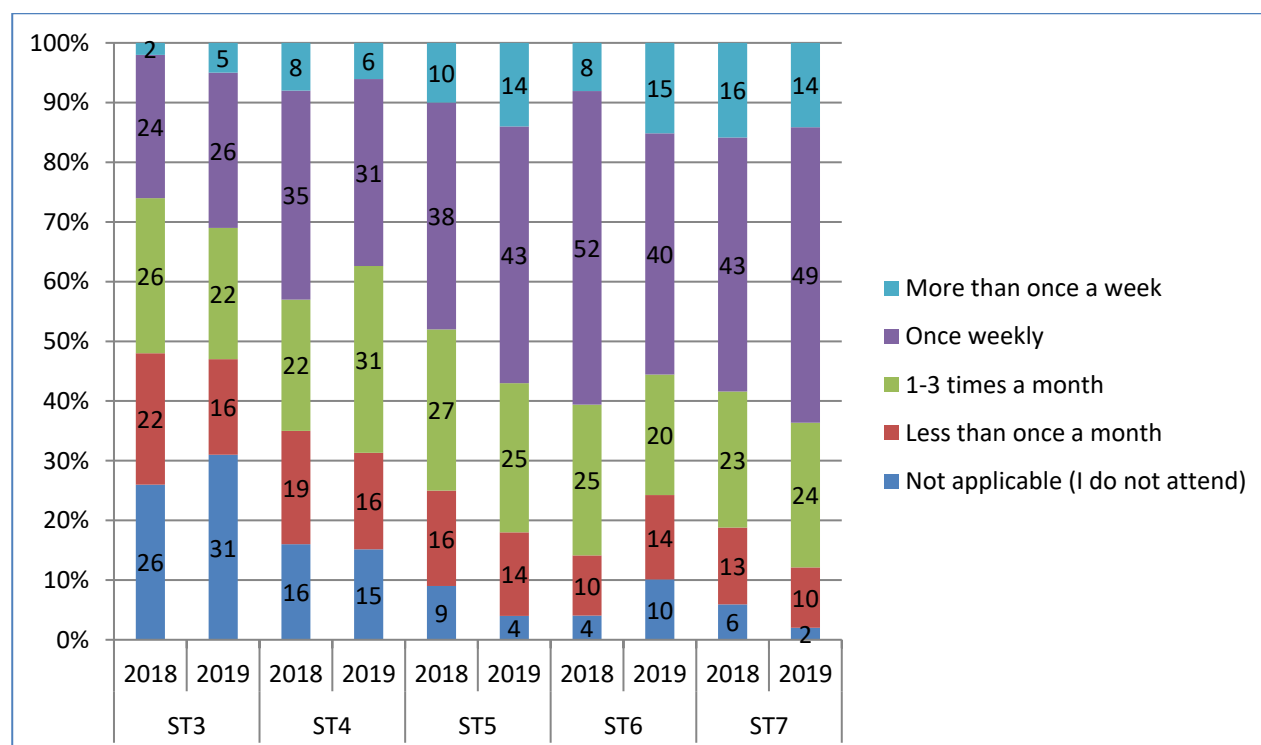
(This question was presented to trainees of the following grades: ST3, ST4, ST5, ST6, ST7) 2018: n=584

2019: n=595

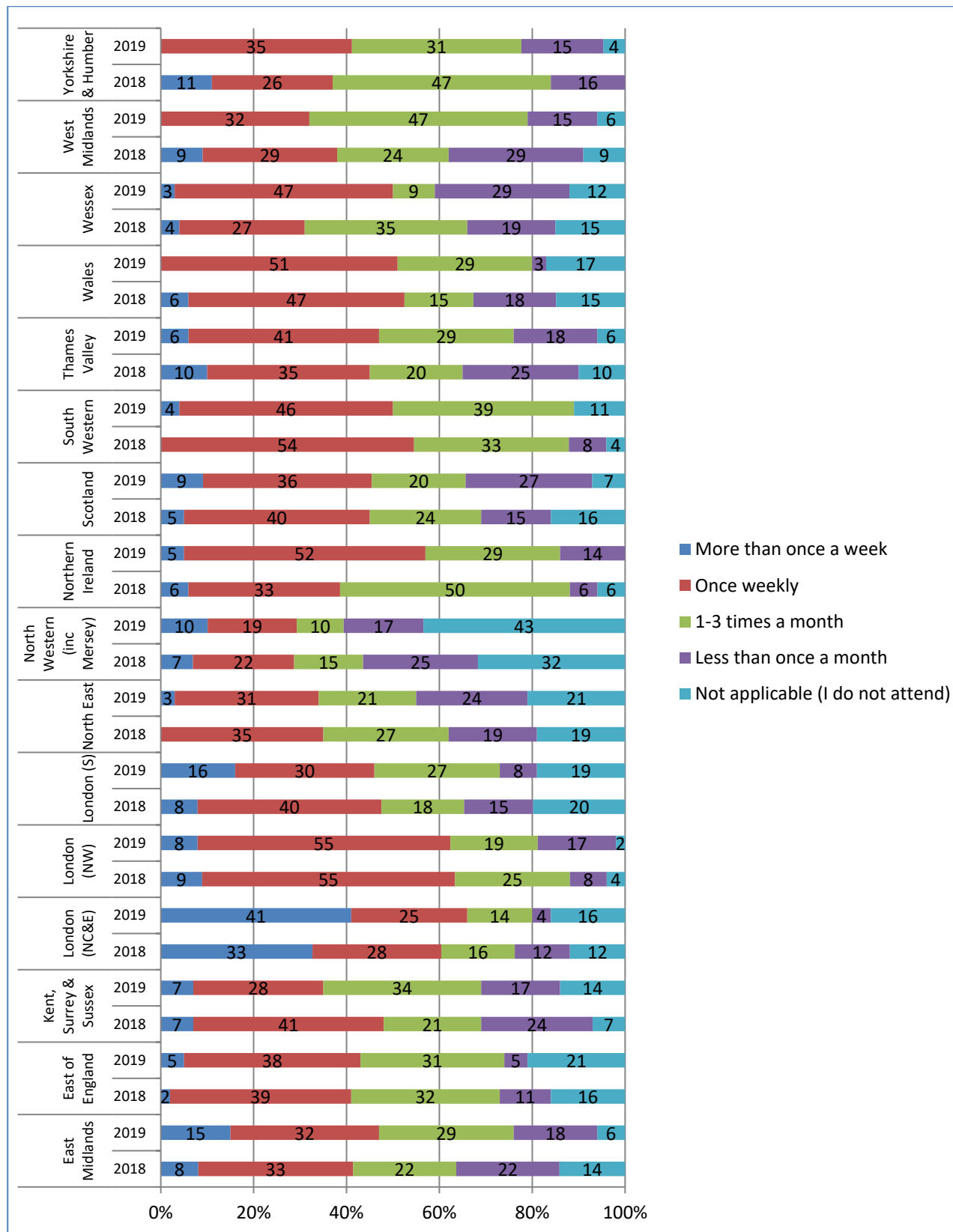
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### Grade



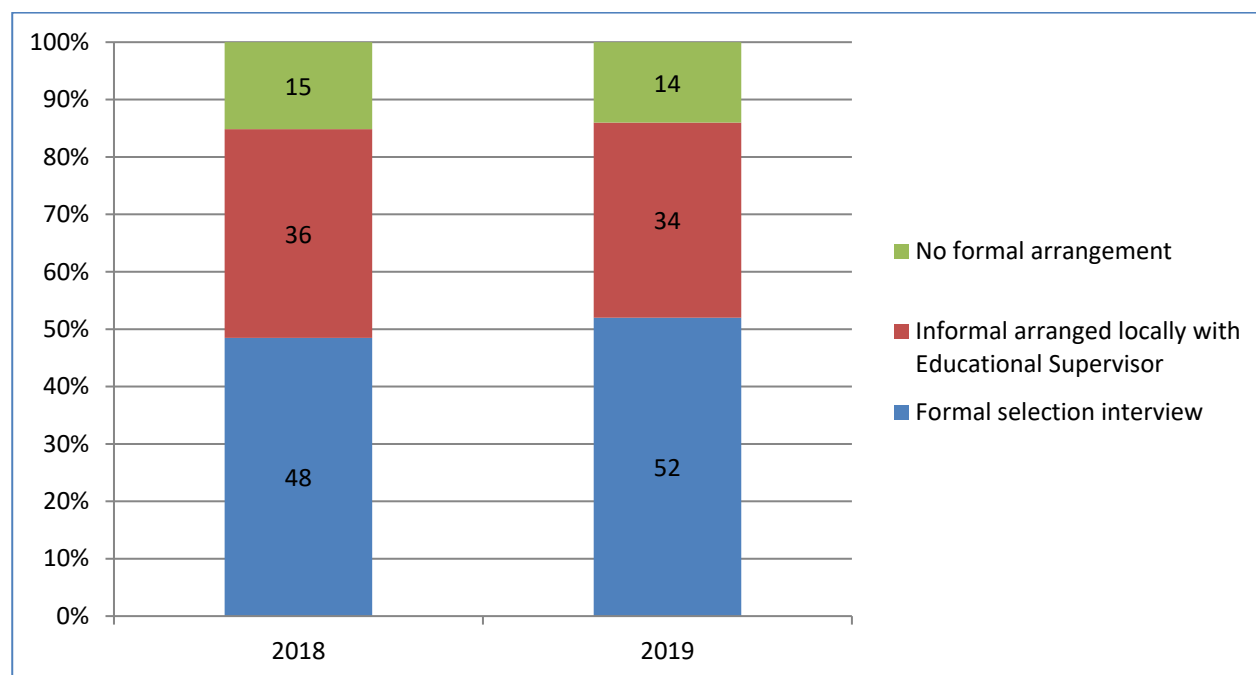
## Deanery



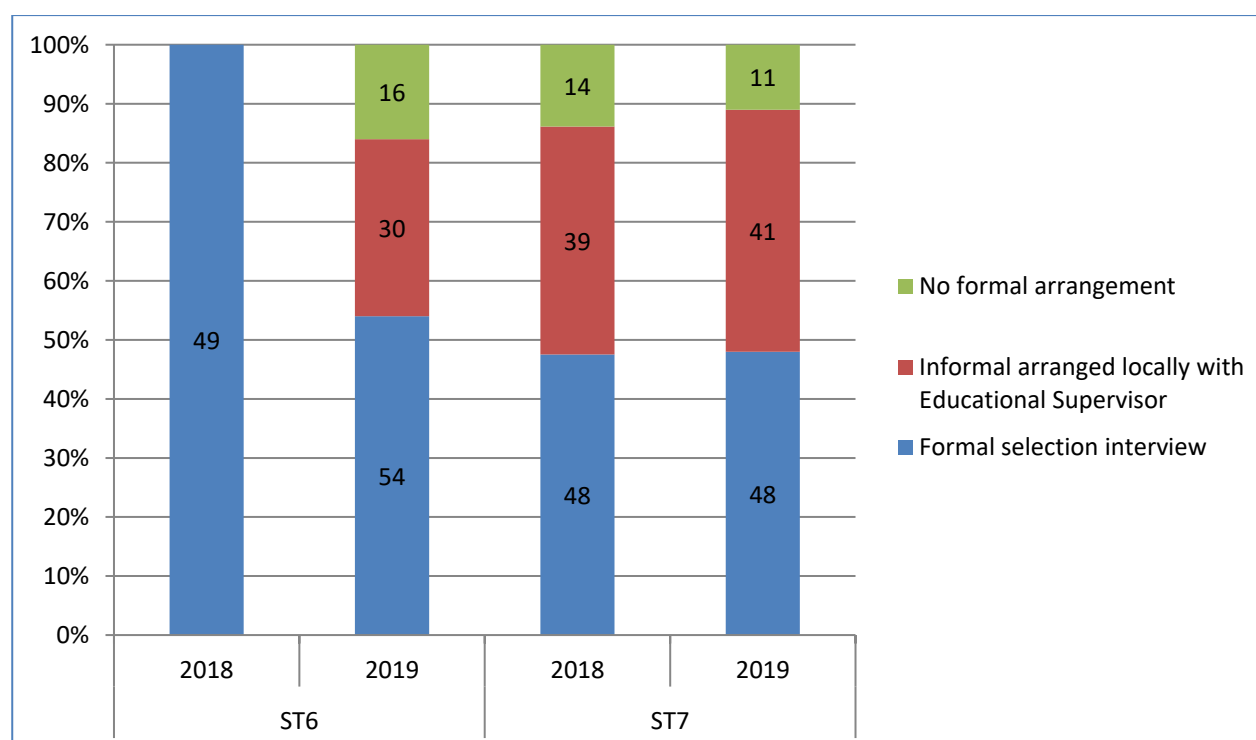
## 2) How did you secure access to sub-specialty training in your chosen advanced modules?

(This question was presented to the following grades: ST6, ST7) 2018: n=184, 2019: n=183,

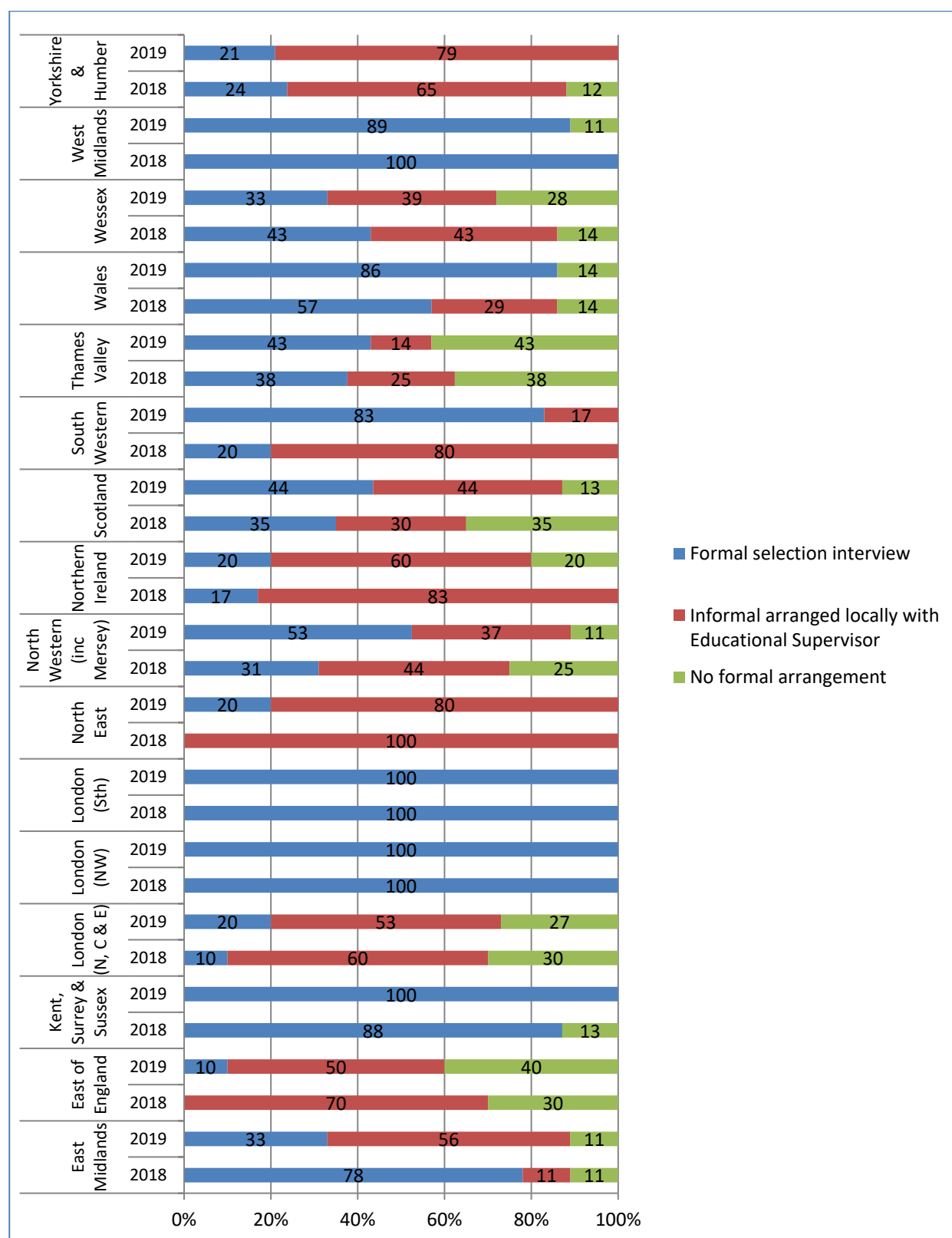
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### Grade

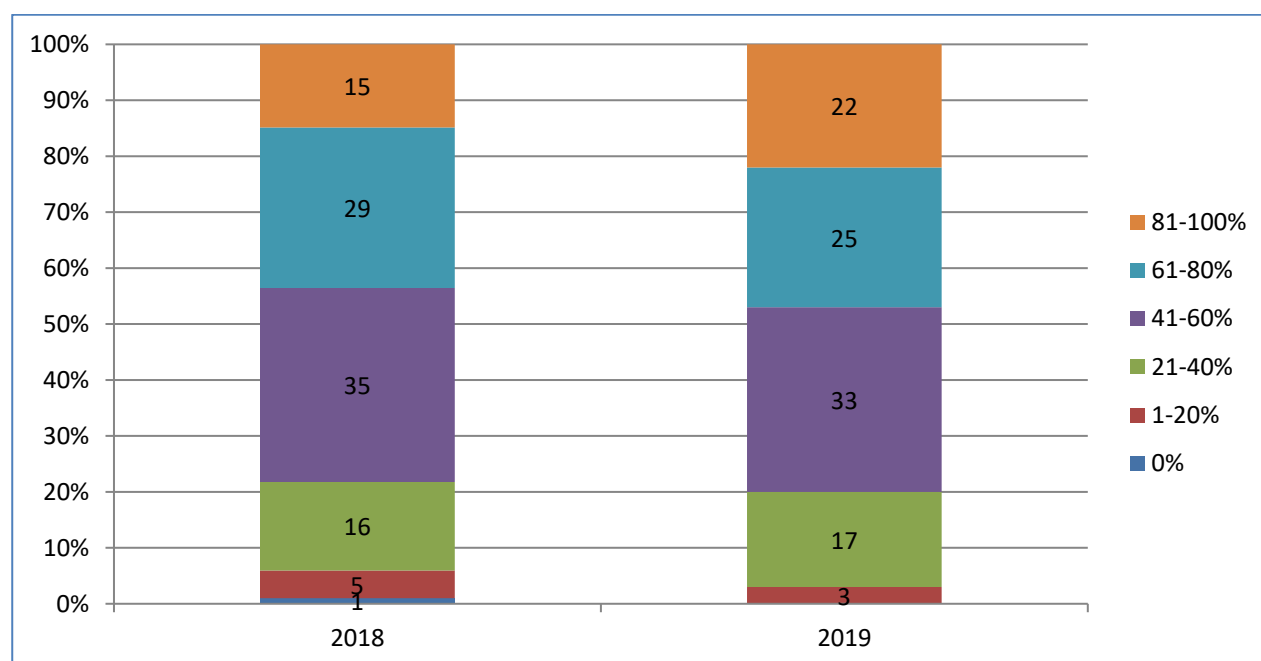


## Deanery

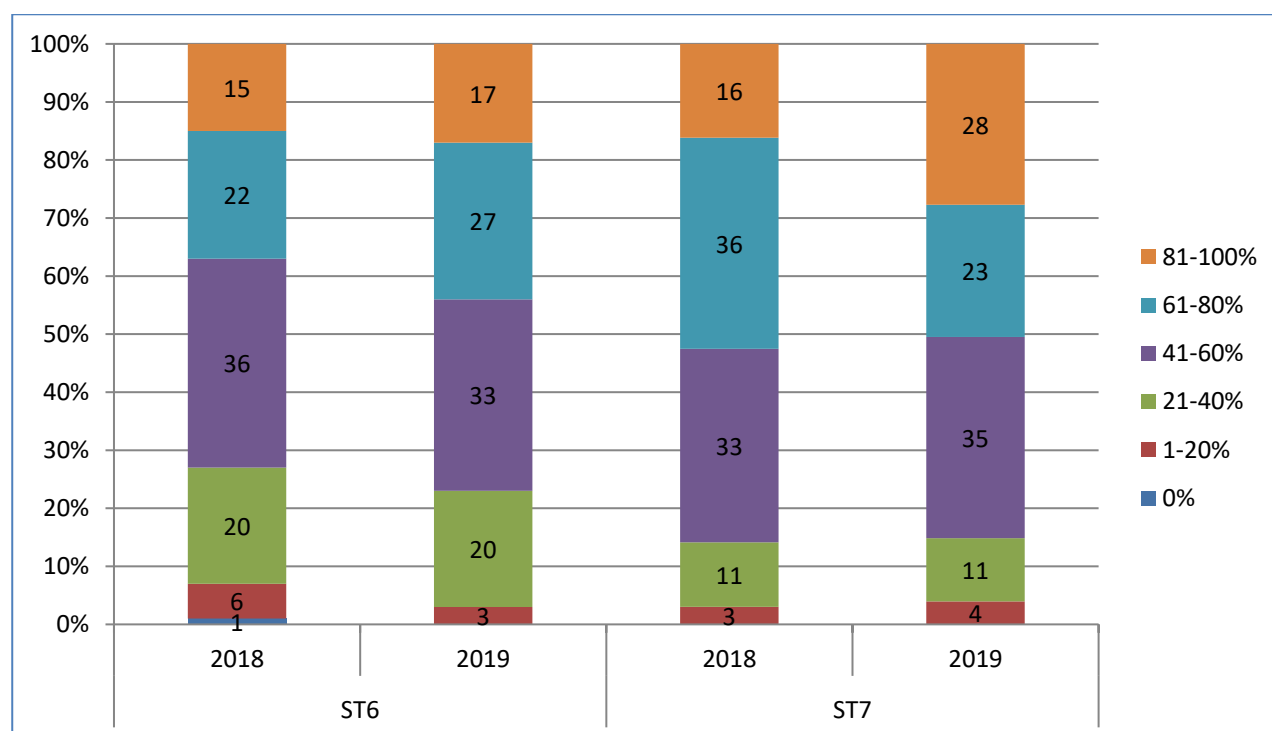


## 5) On average, what proportion of your working time involves training in your advanced modules? (This question was presented to trainees in the following grades: ST6, ST7) 2018: n=184, 2019: n=183

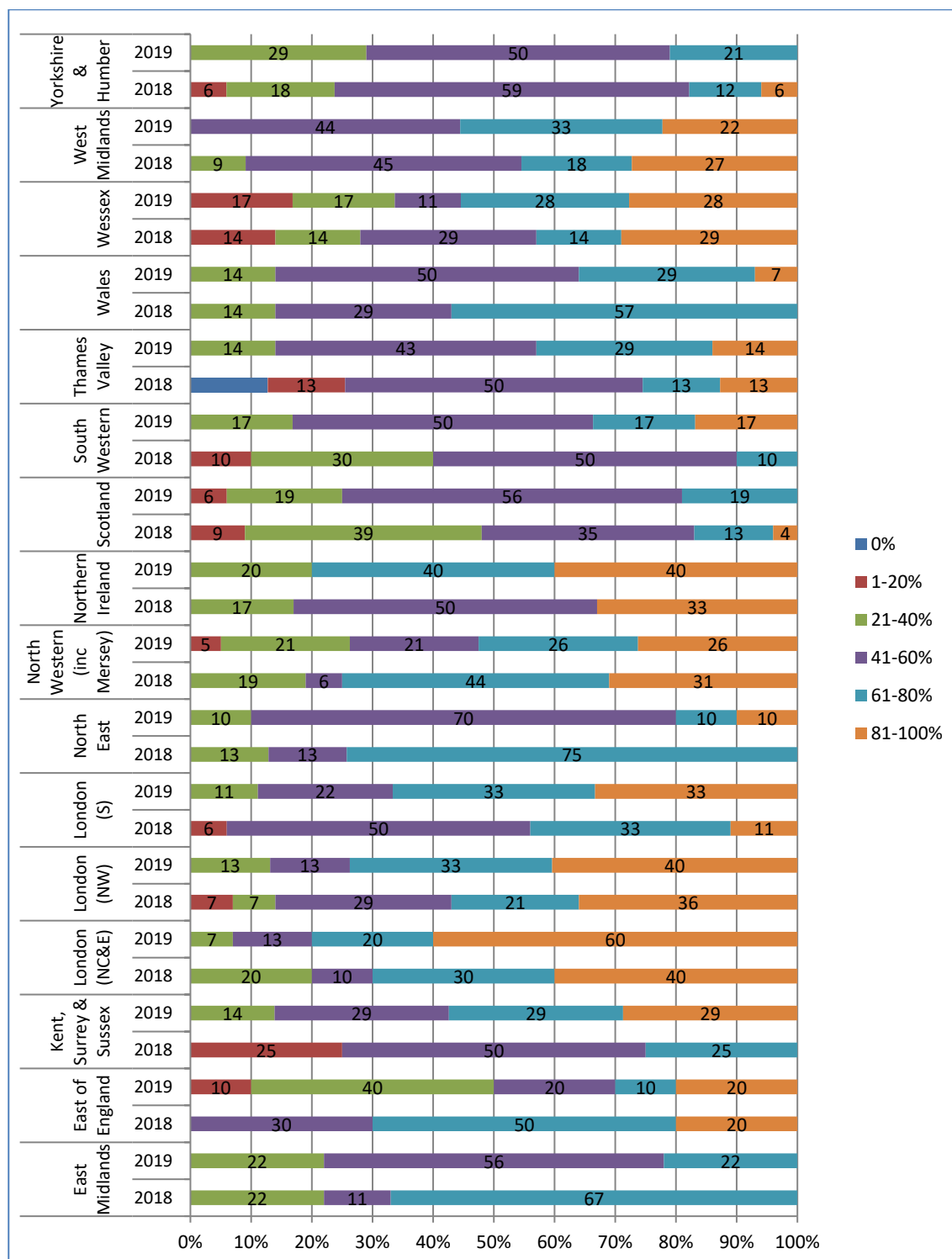
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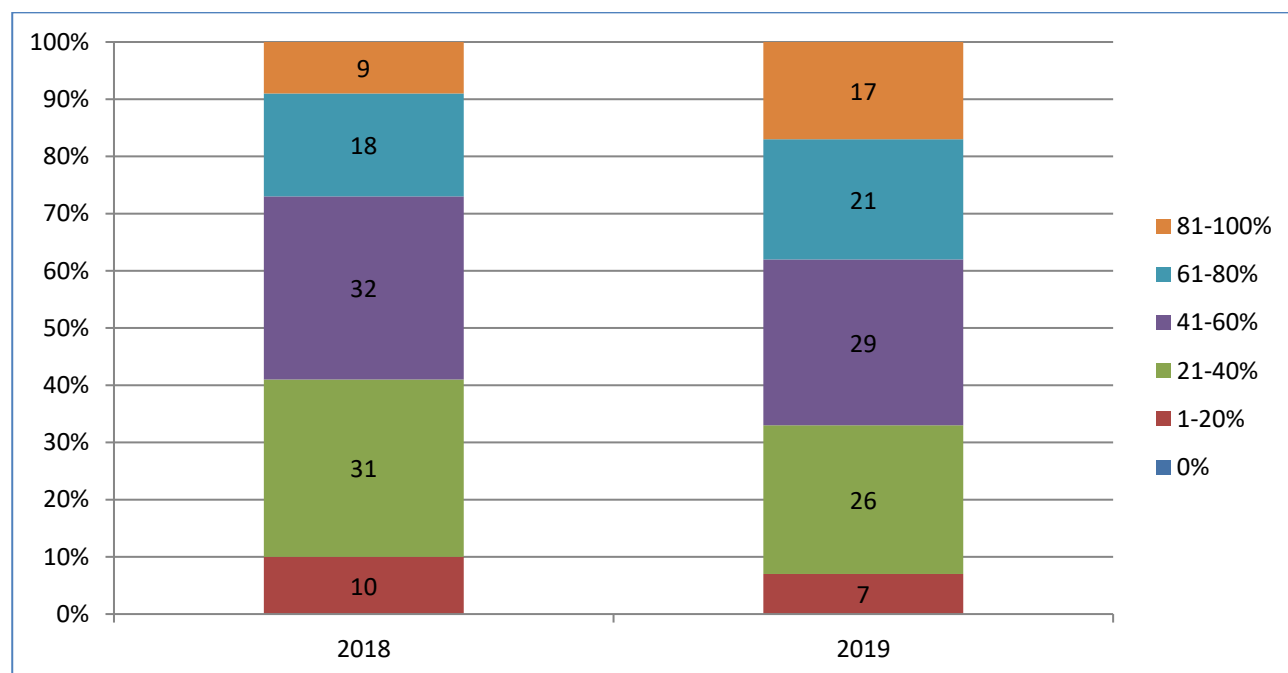
## Deanery



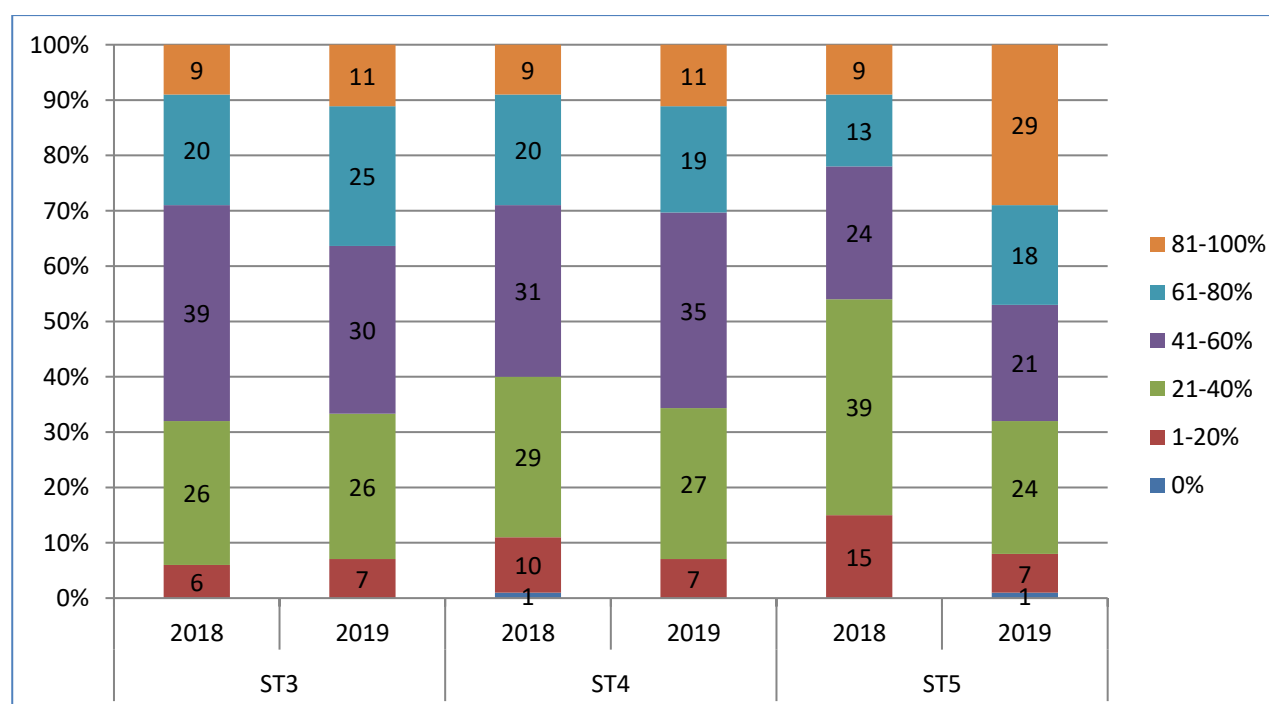
## 7) On average, what proportion of your time involved managing cardiac patients in an acute setting (CCU, A&E, Acute Medical Unit)

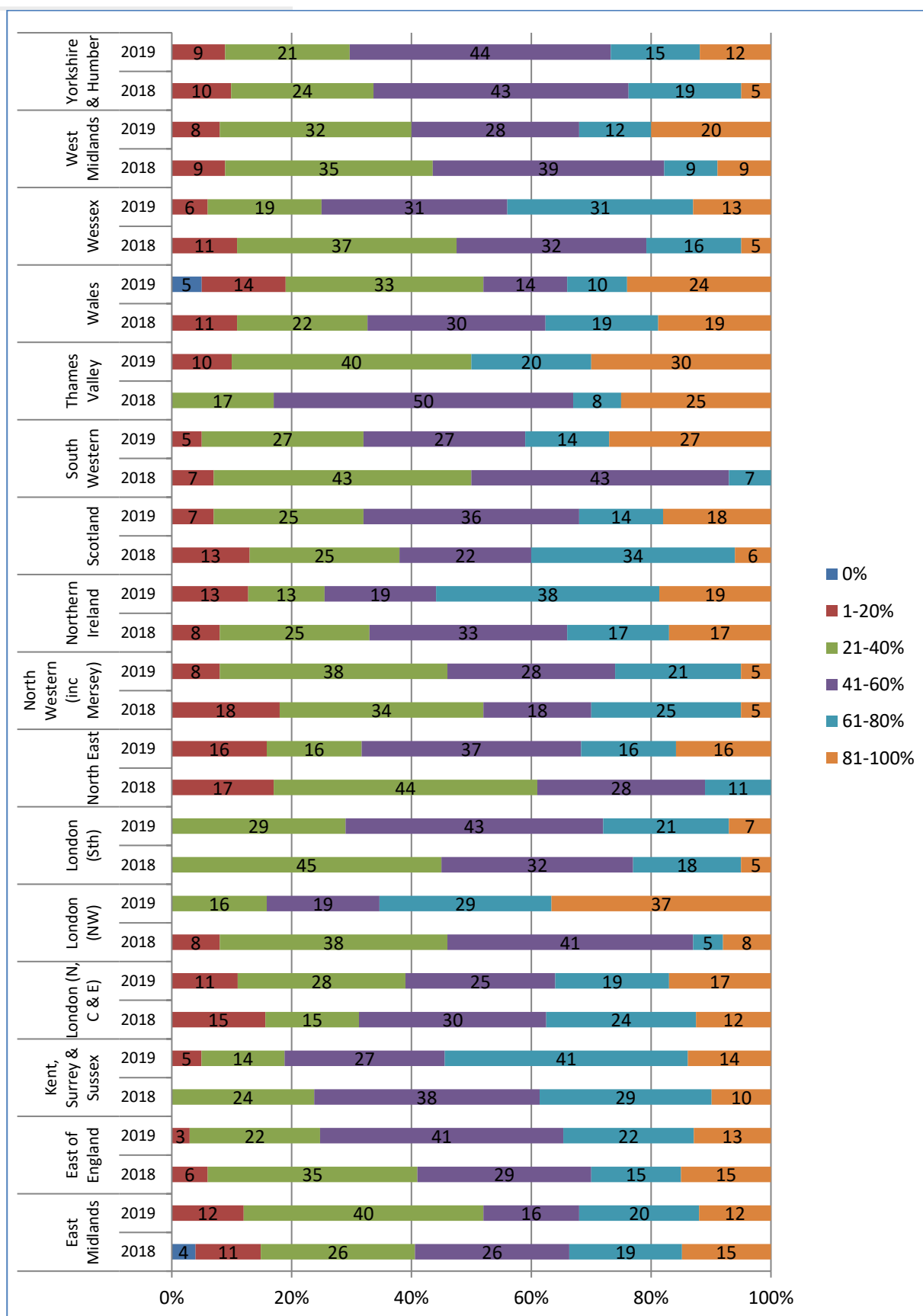
(This question was presented to trainees of the following grades: ST3, ST4, ST5) 2018: n=400, 2019: n=412

### All



### Grade



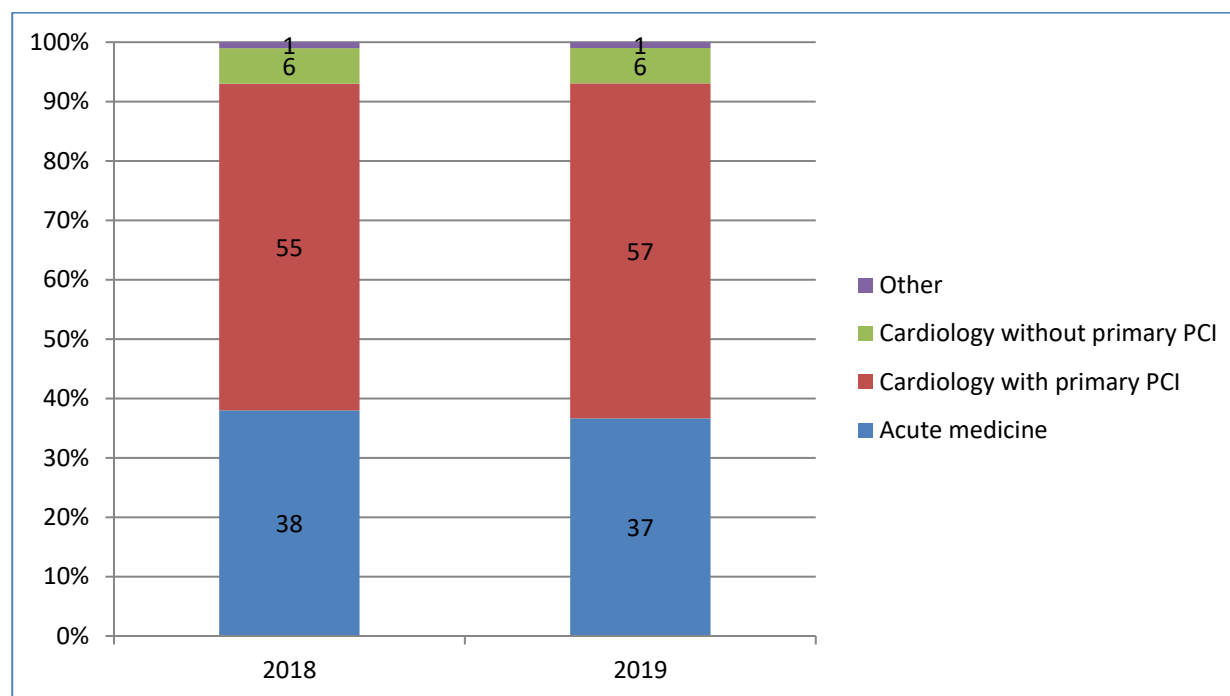




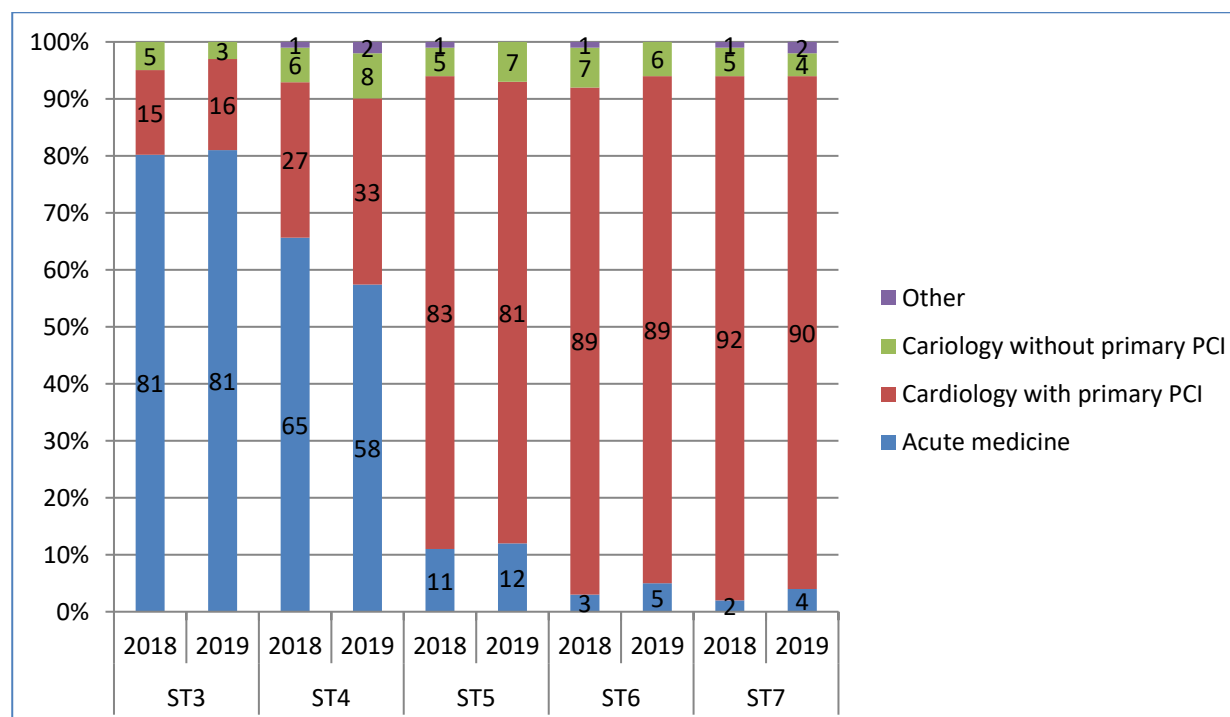
## 8) In which area do you usually work when you are on call?

(This question was presented to trainees of the following grades: ST3, ST4, ST5, ST6, ST7) 2018: n=584, 2019: n=595

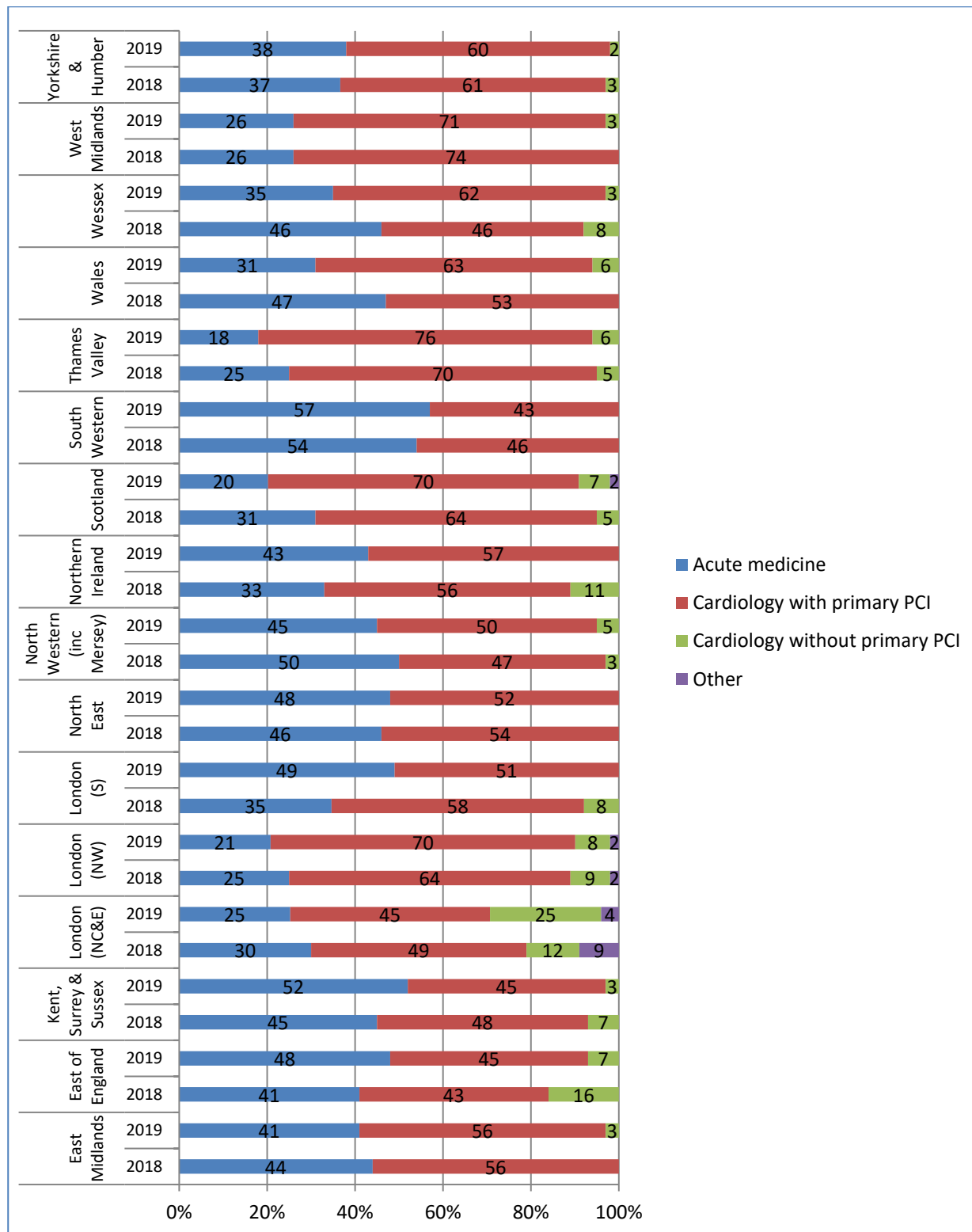
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### Grade



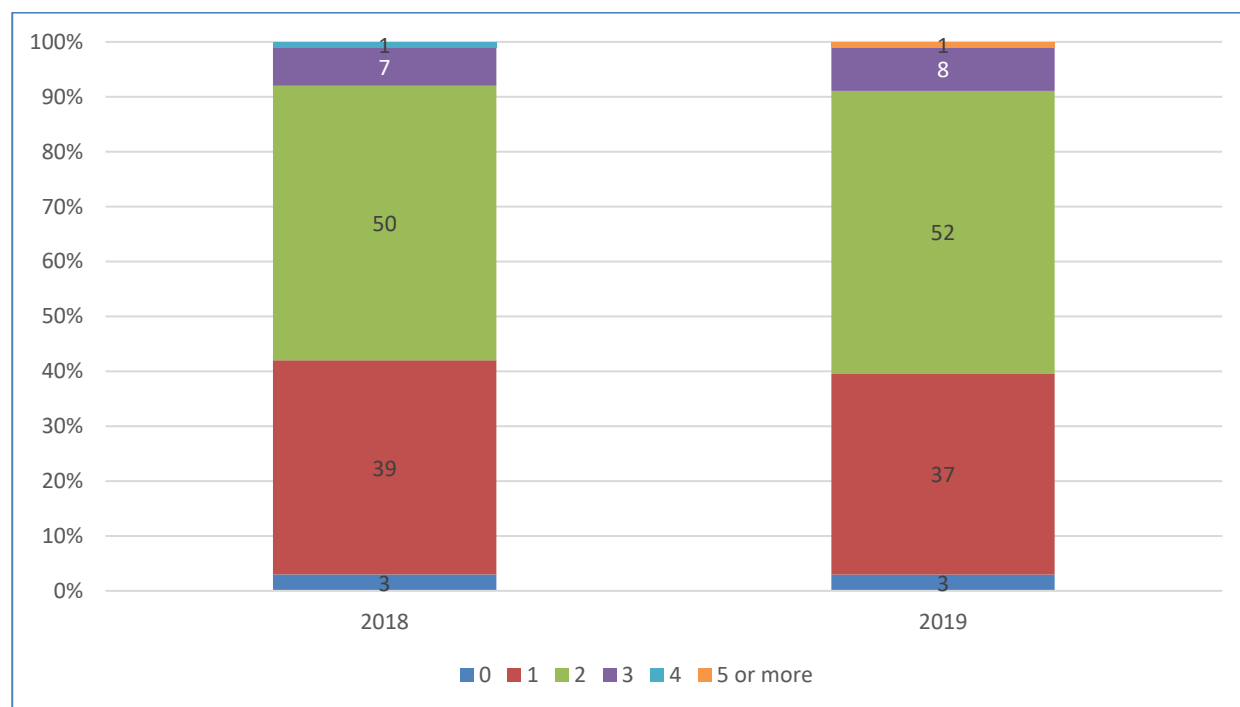
## Deanery



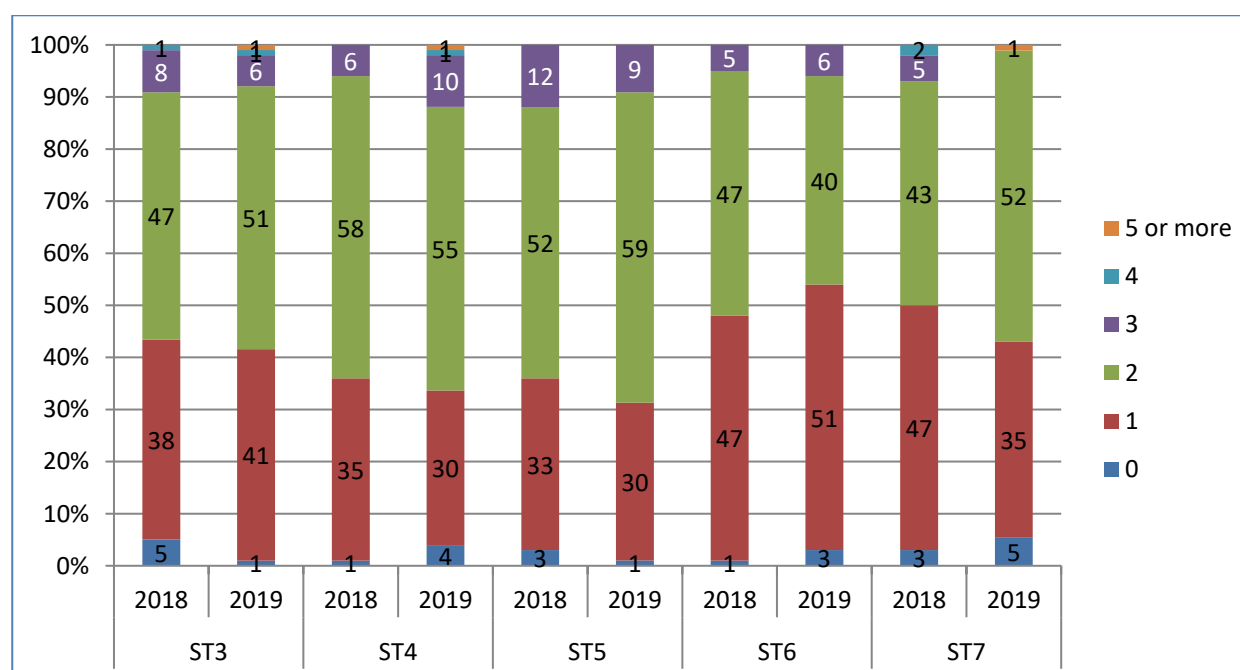
## 9) In an average week, how many outpatient clinics do you attend?

(This question was presented to trainees of the following grades: ST3, ST4, ST5, ST6, ST7) 2018: n=584, 2019: n=595

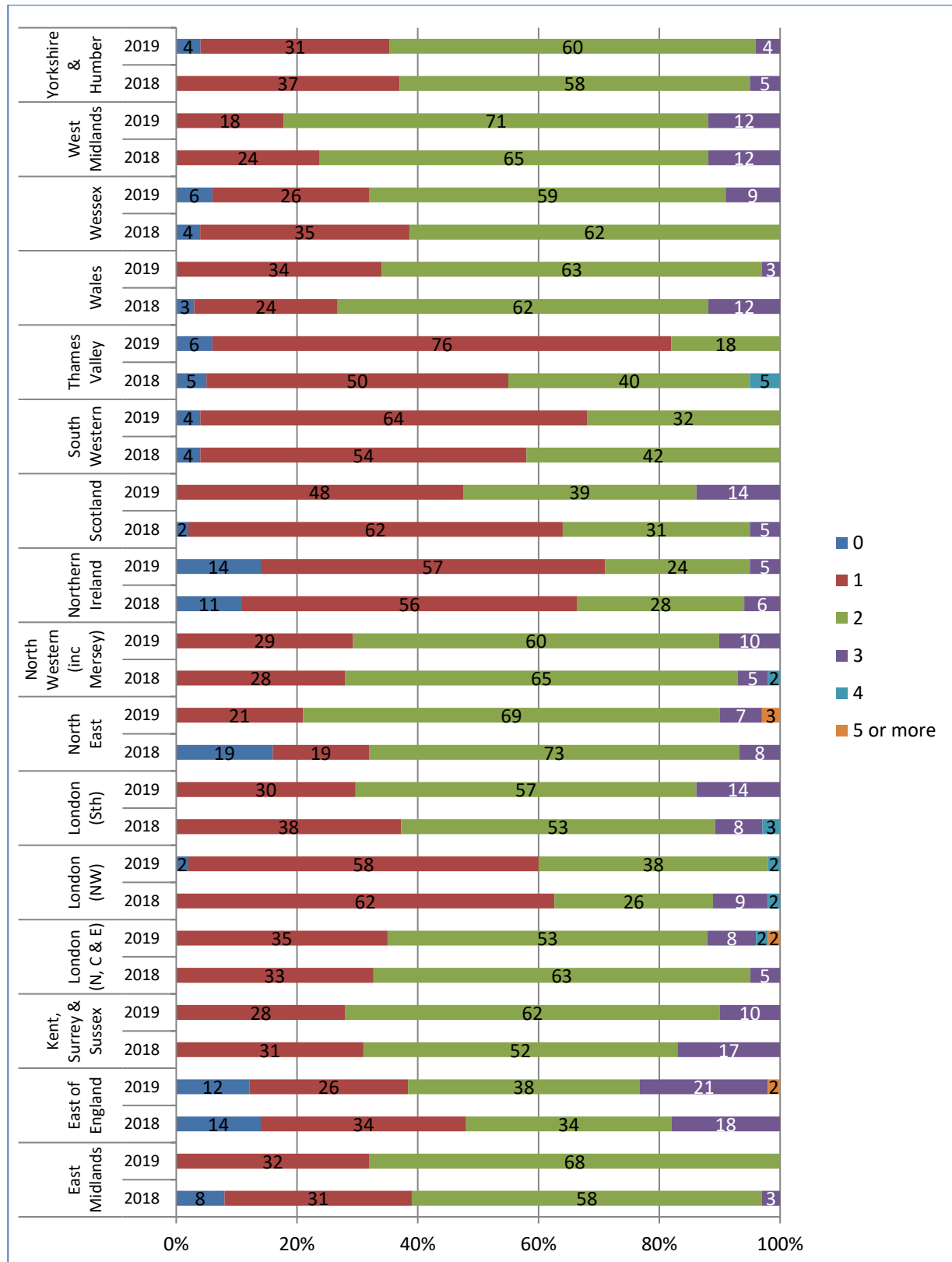
### All



### Grade



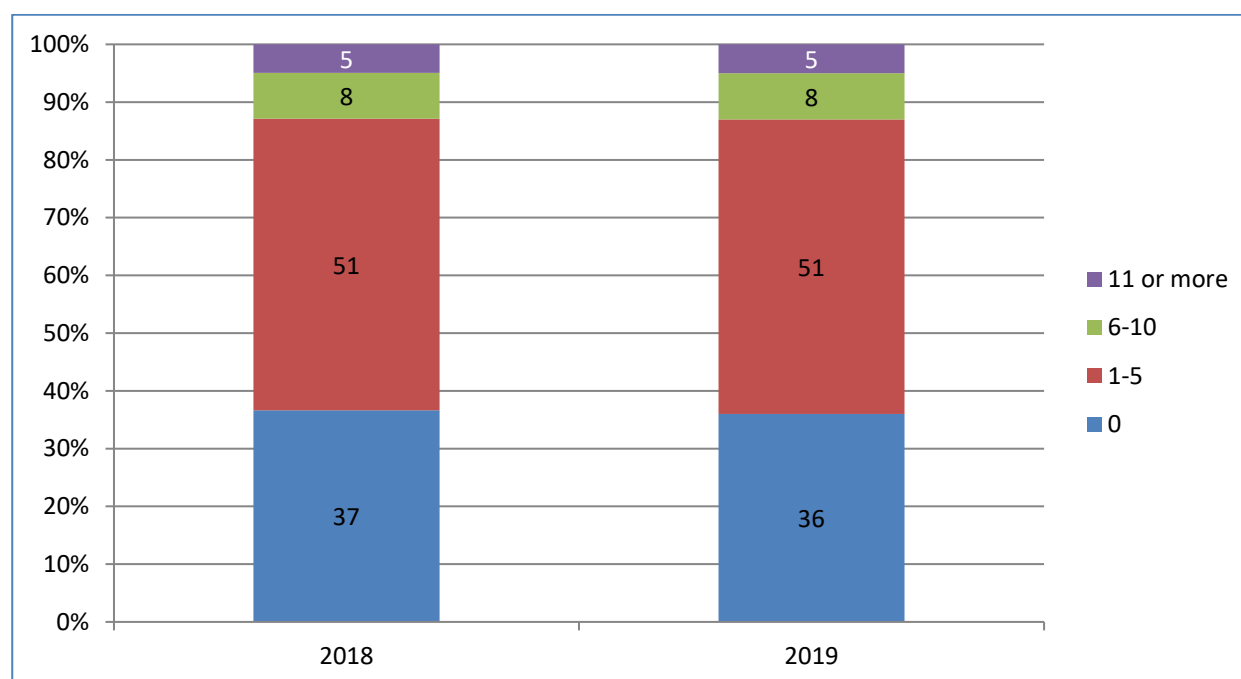
## Deanery



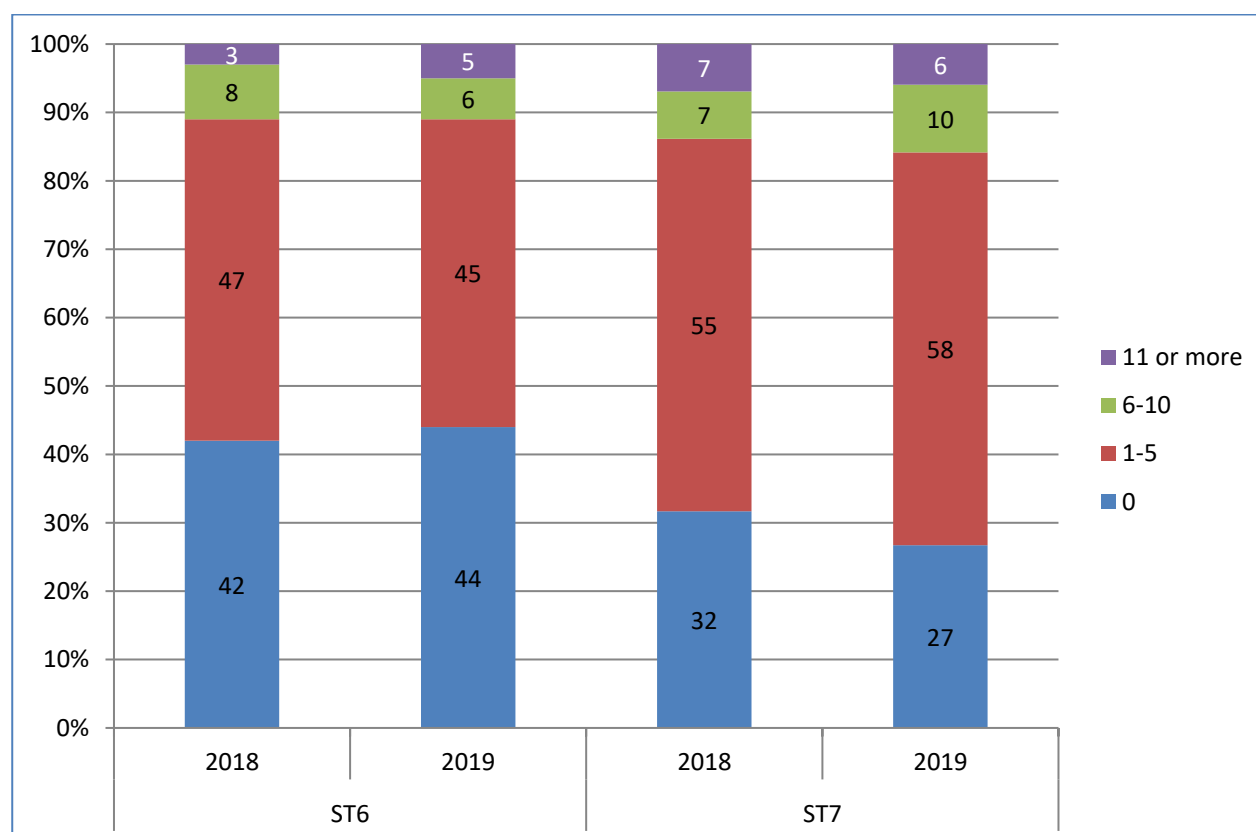
## 11) Within the last year how many non-clinical management meetings have you attended?

(This question was presented to trainees of the following grades: ST6, ST7) 2018: n=184, 2019: n=183

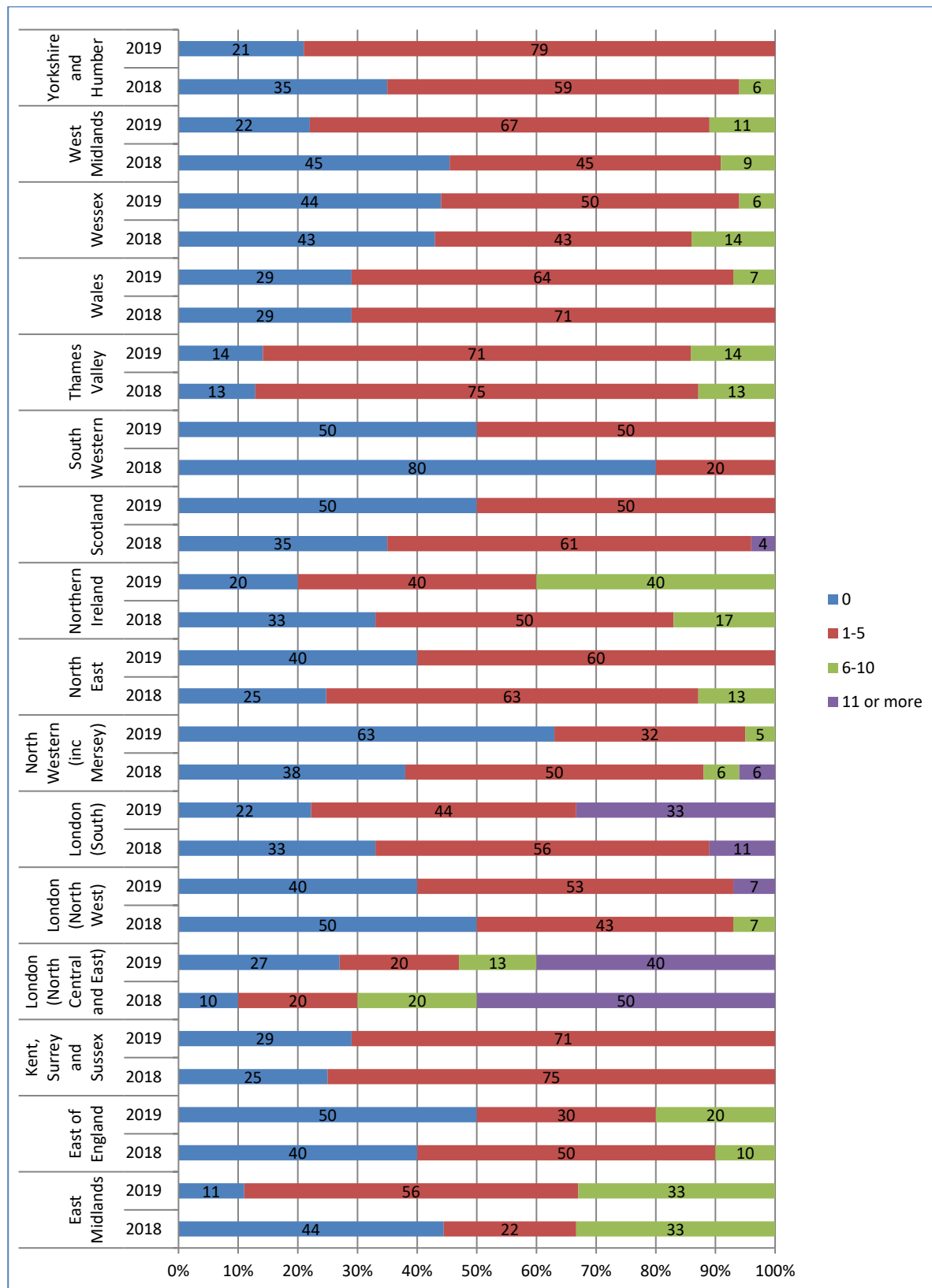
### All



### Grade



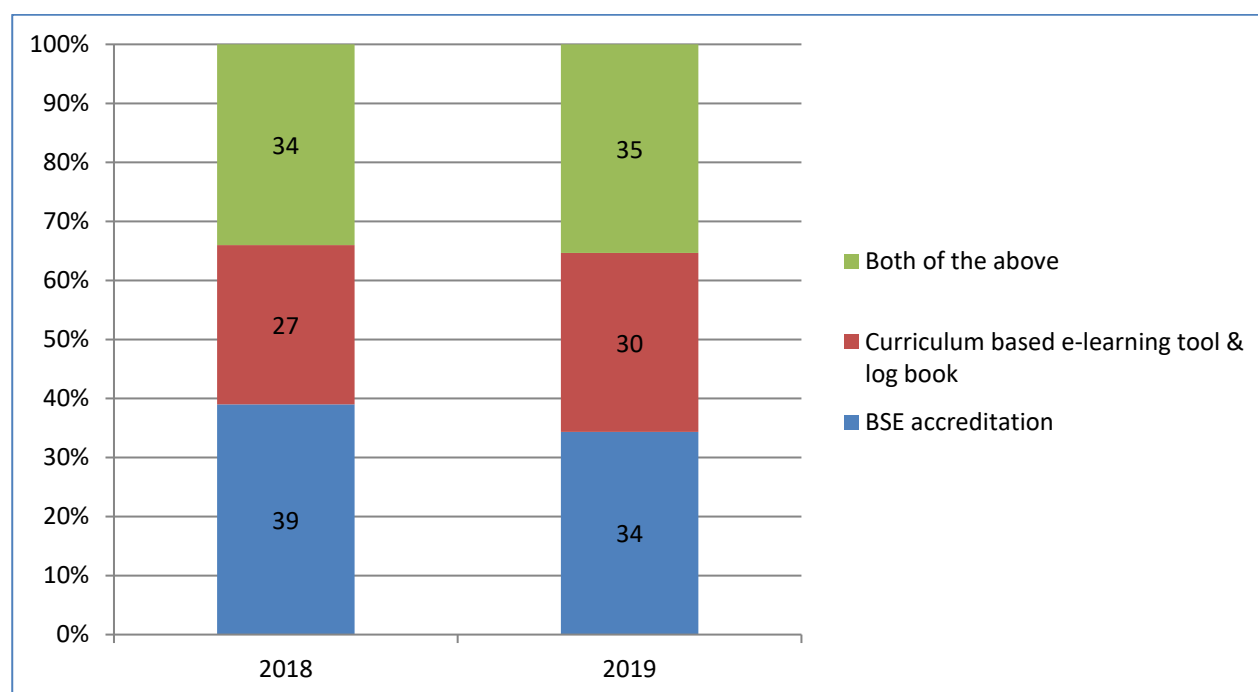
## Deanery



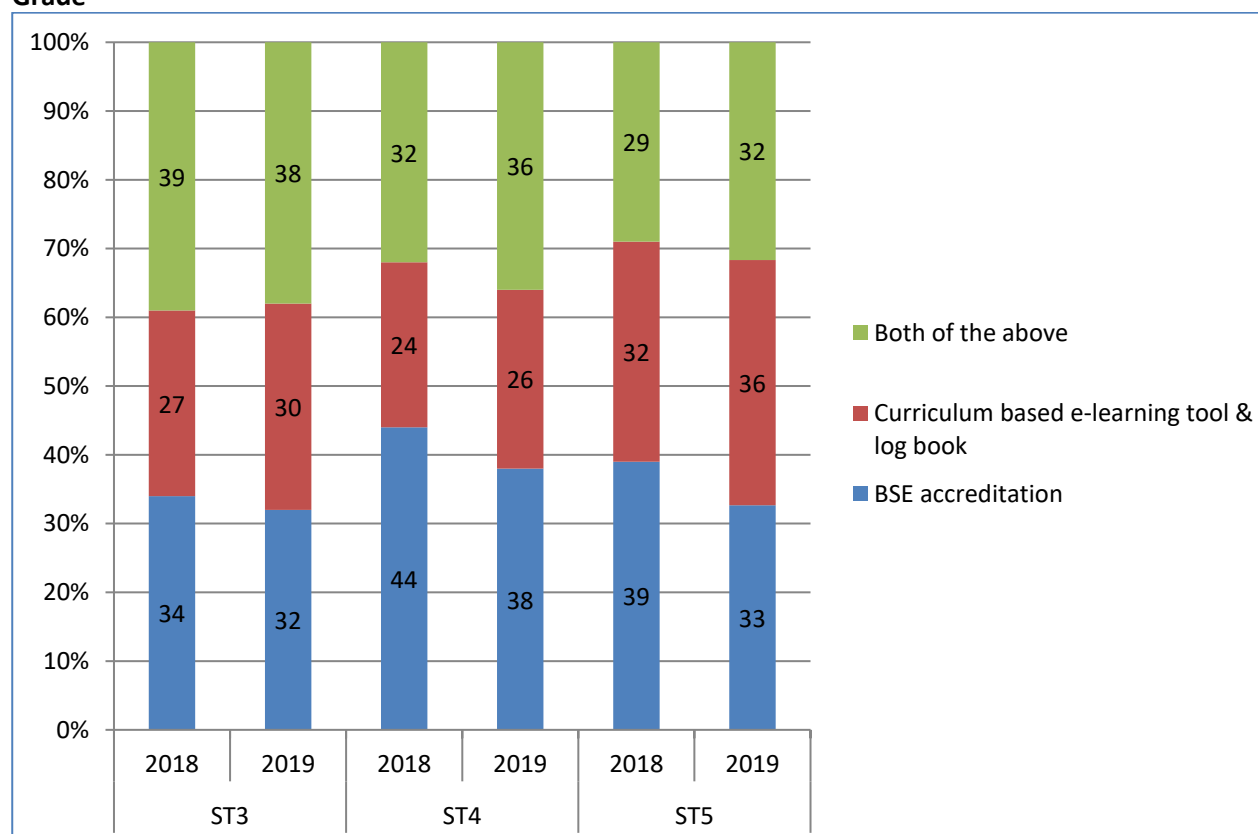
## 12) Which of the following are you using to complete core echocardiography training?

(This question was presented to trainees of the following grades: ST3, ST4, ST5) 2018: n=400, 2019: n=412

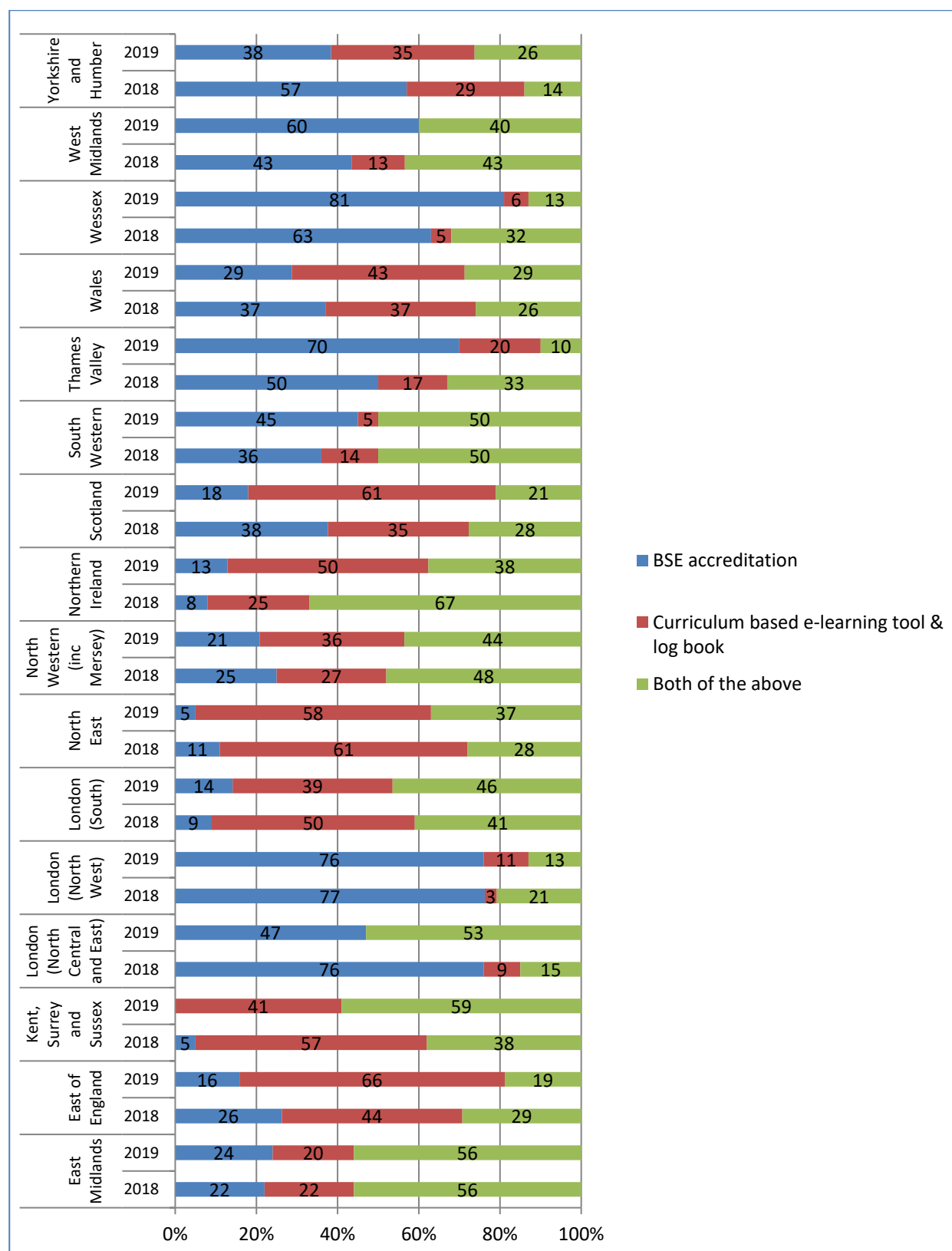
### All



### Grade



## Deanery

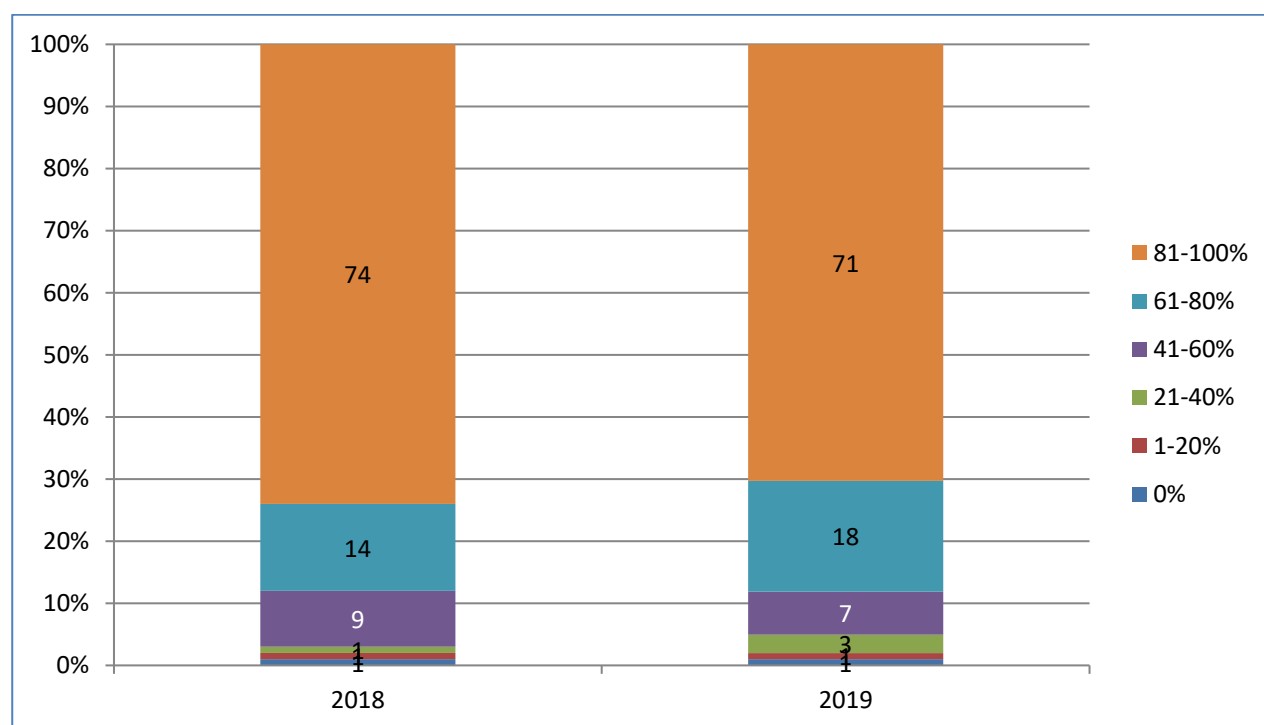




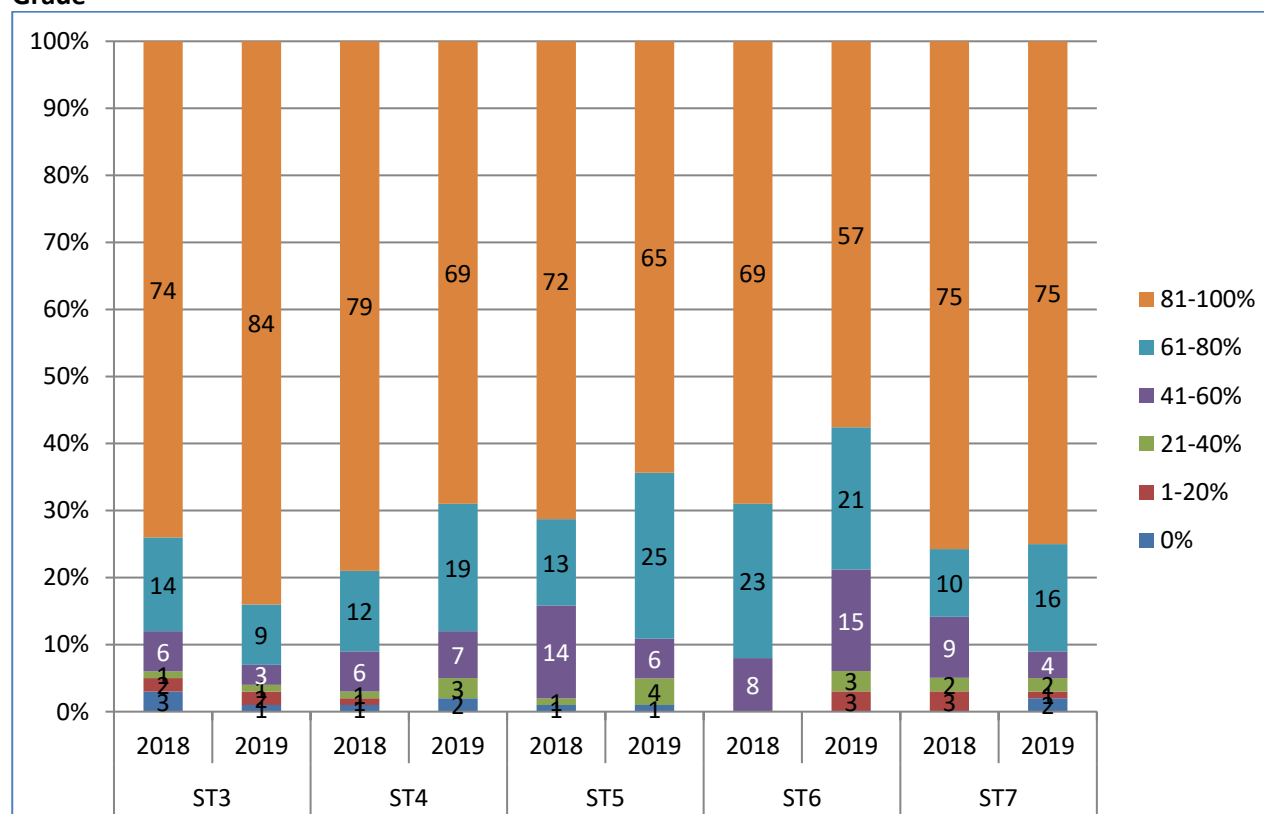
## 13) What proportion of your outpatient clinics have a consultant available for consultation?

(This question was presented to the following grades: ST3, ST4, ST5, ST6, ST7) 2018: n=584, 2019: n=595

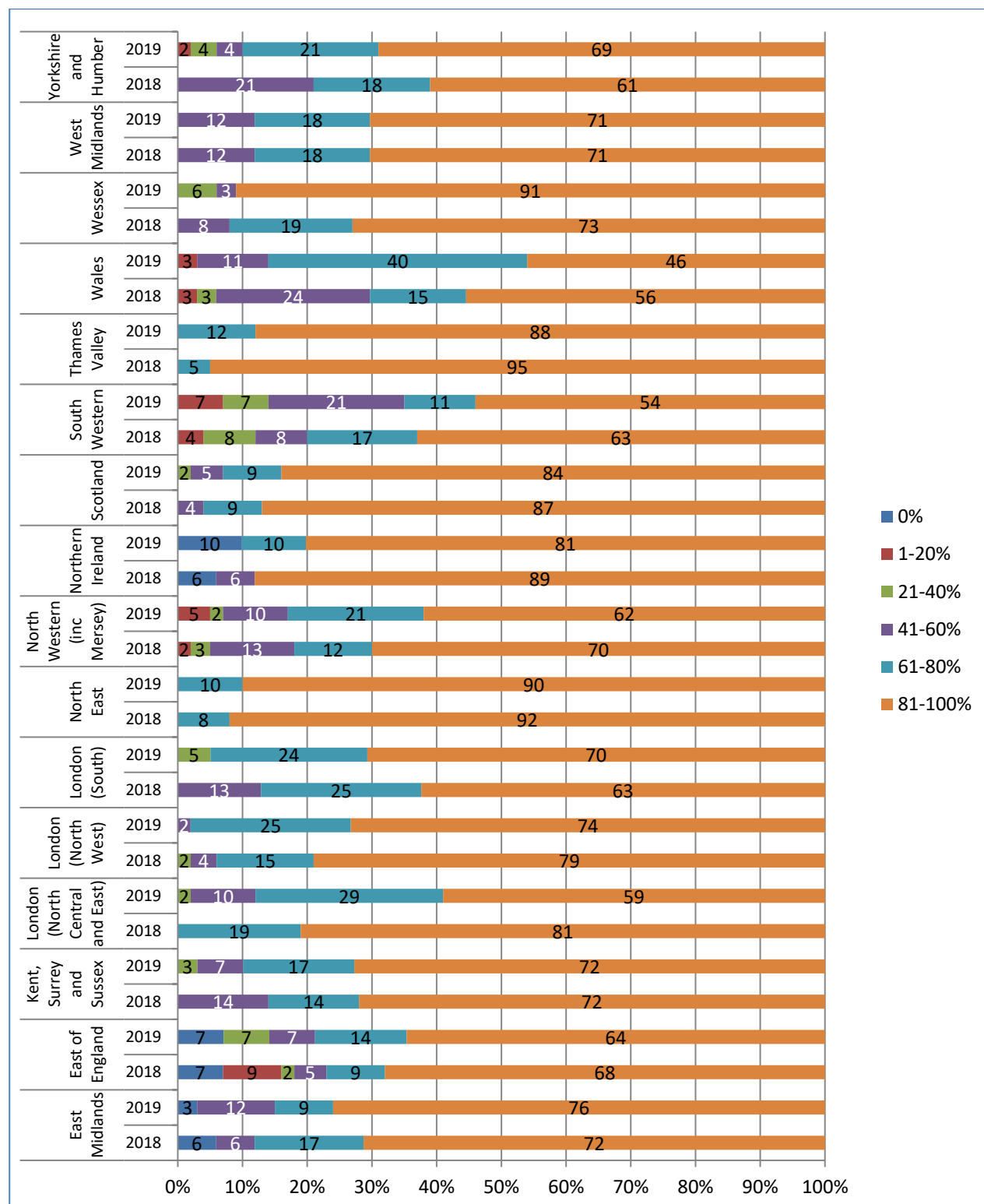
### All



### Grade



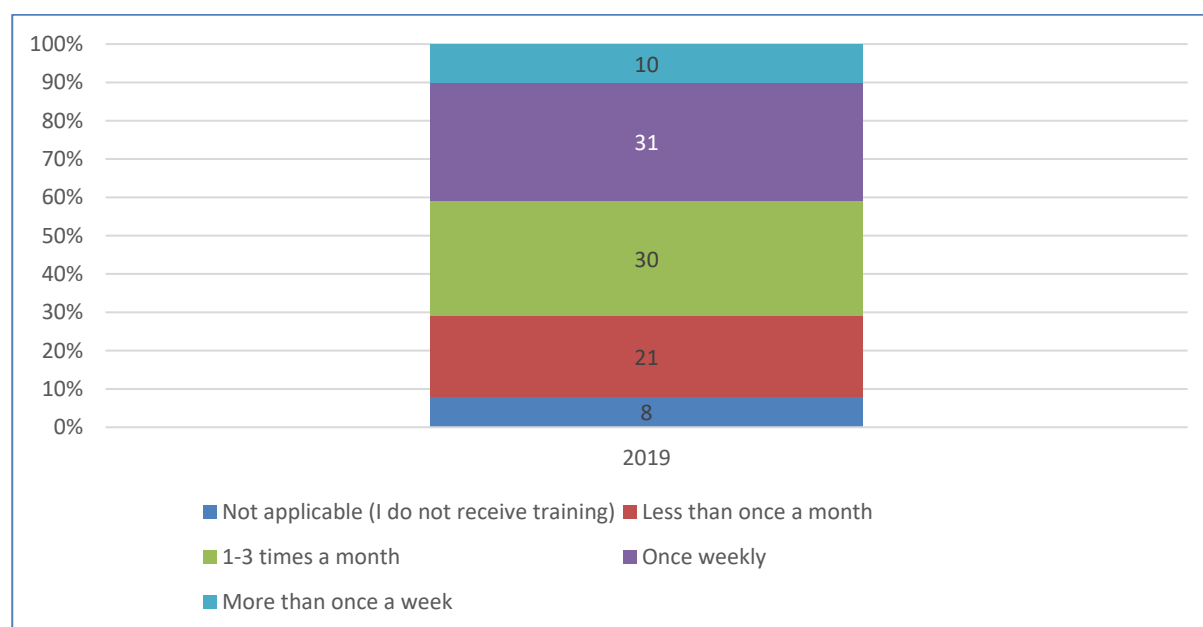
## Deanery



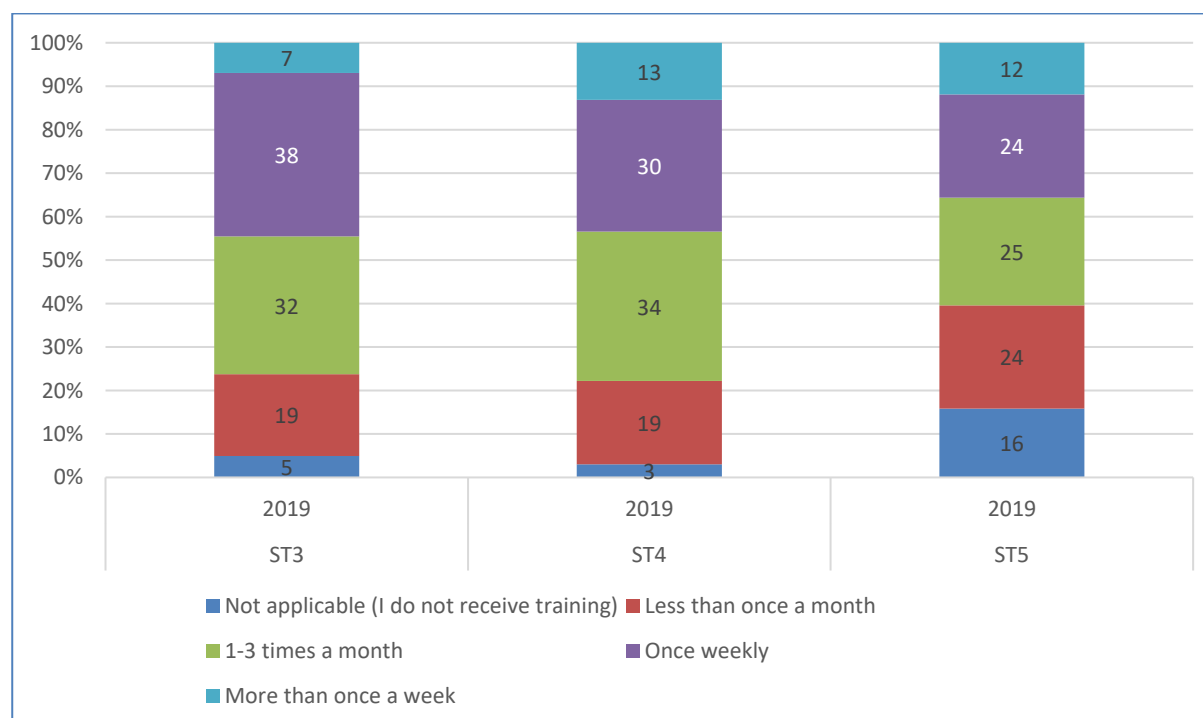
## 16) How often, if at all, do you receive bleep-free training in echocardiography?

(This question was presented to trainees of the following grades: ST3, ST4, ST5, ) 2019: n=412

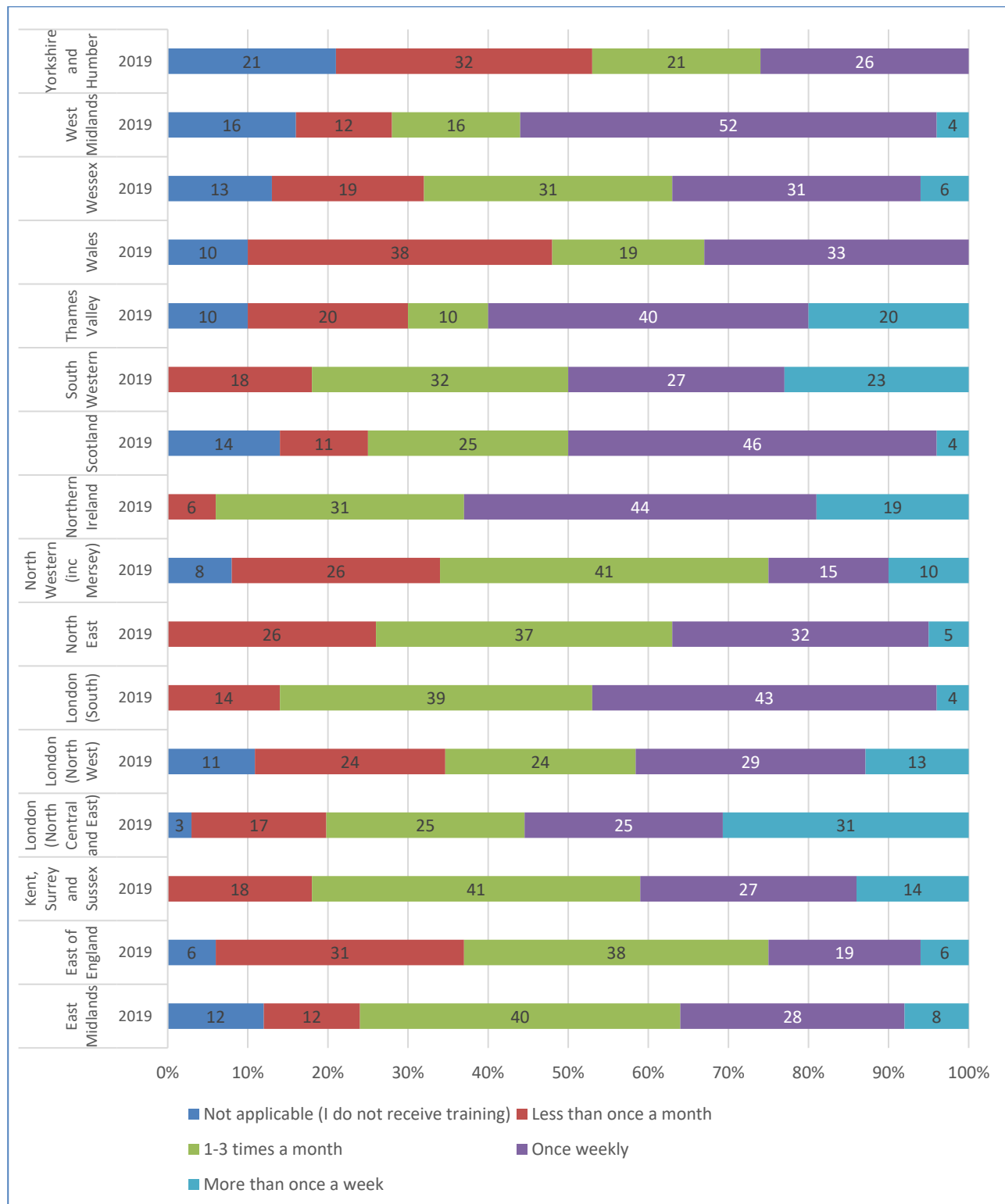
### All



### Grade



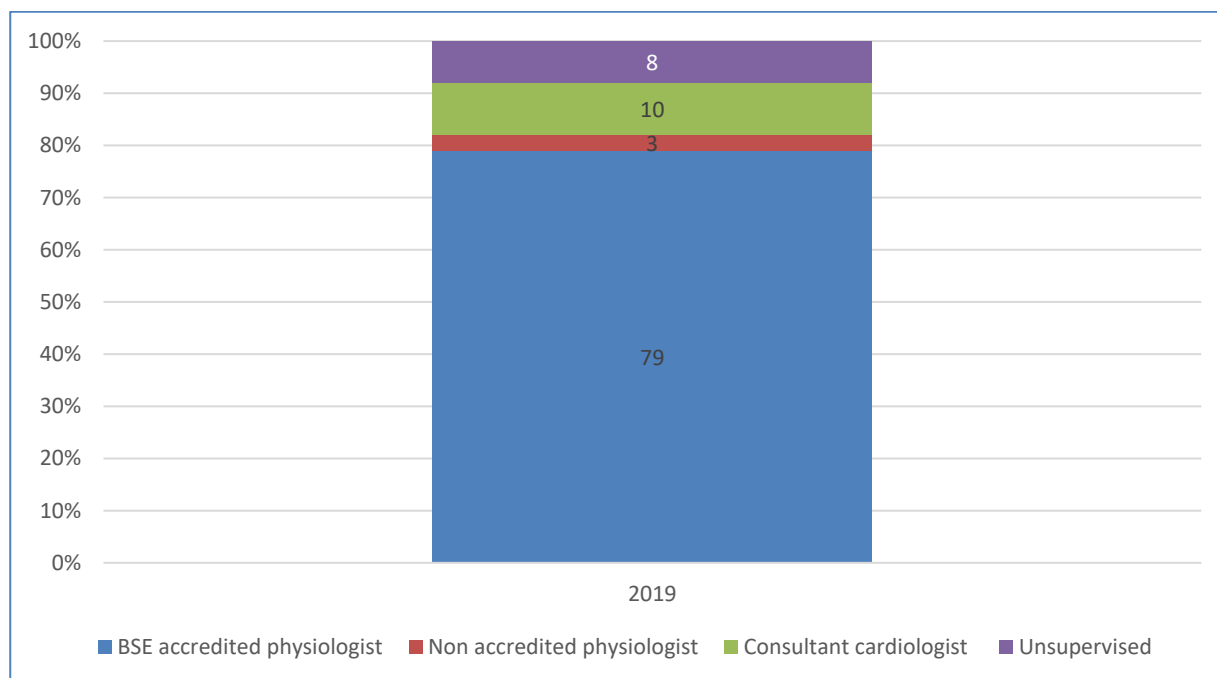
## Deanery



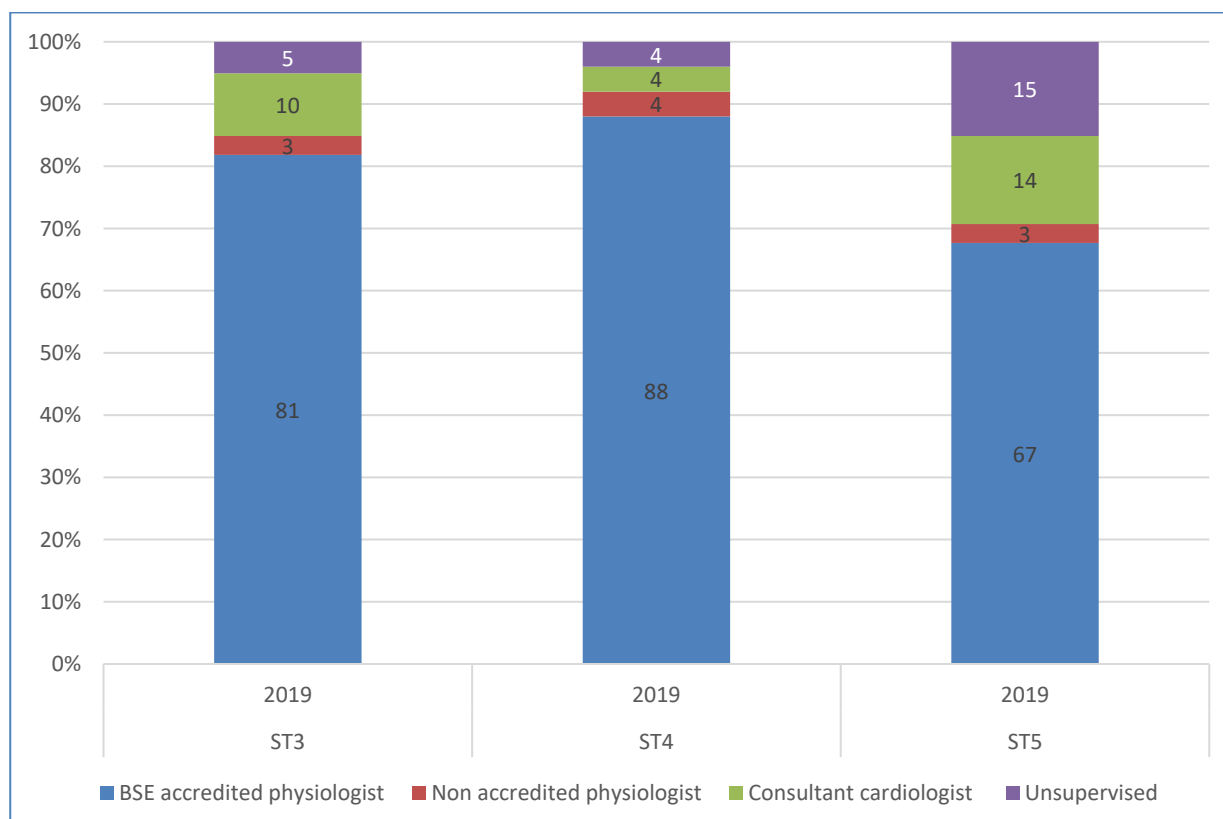
## 17) Who supervises this echo training?

(This question was presented to trainees of the following grades: ST3, ST4, ST5, ) 2018: n=412

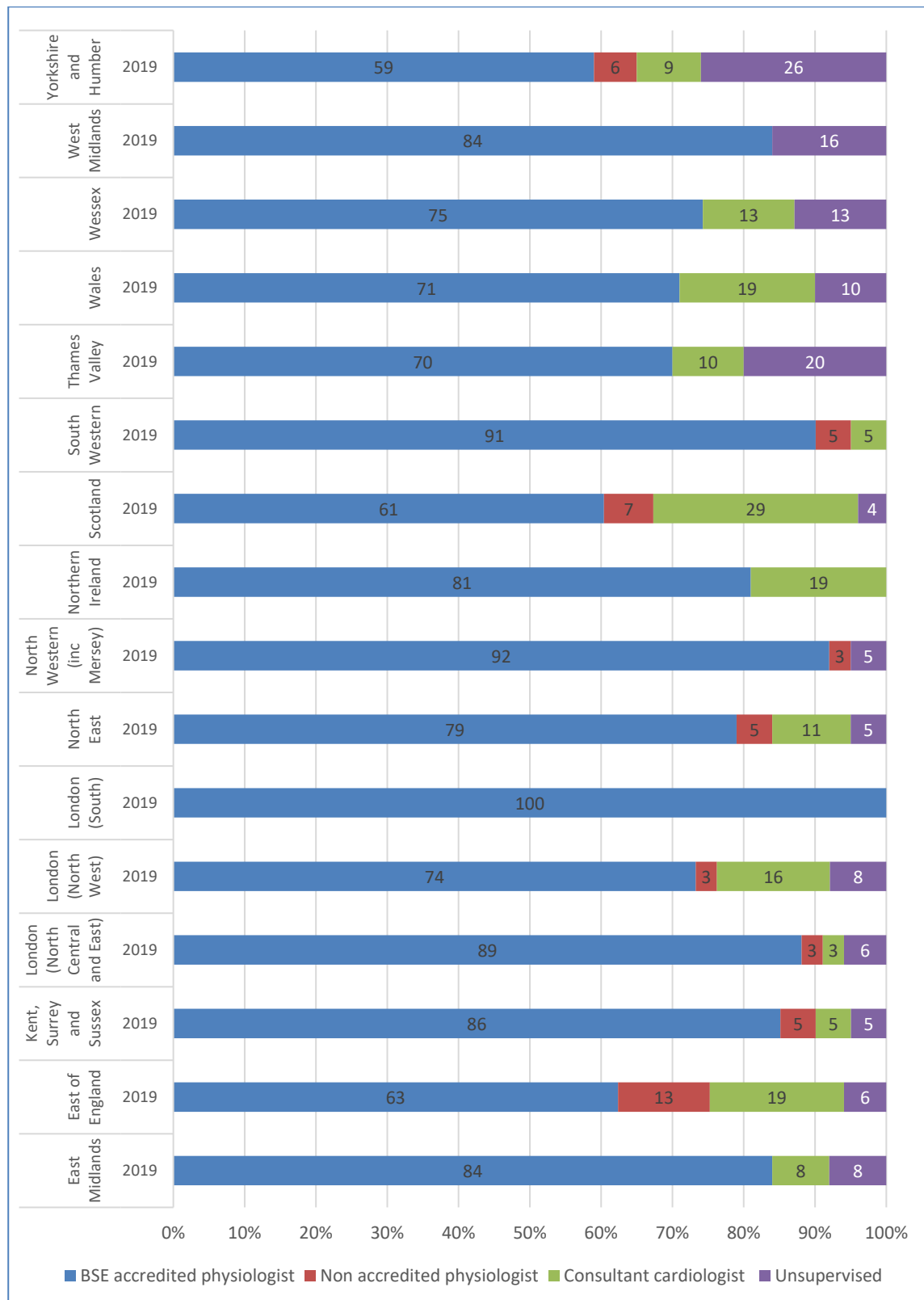
### All



### Grade



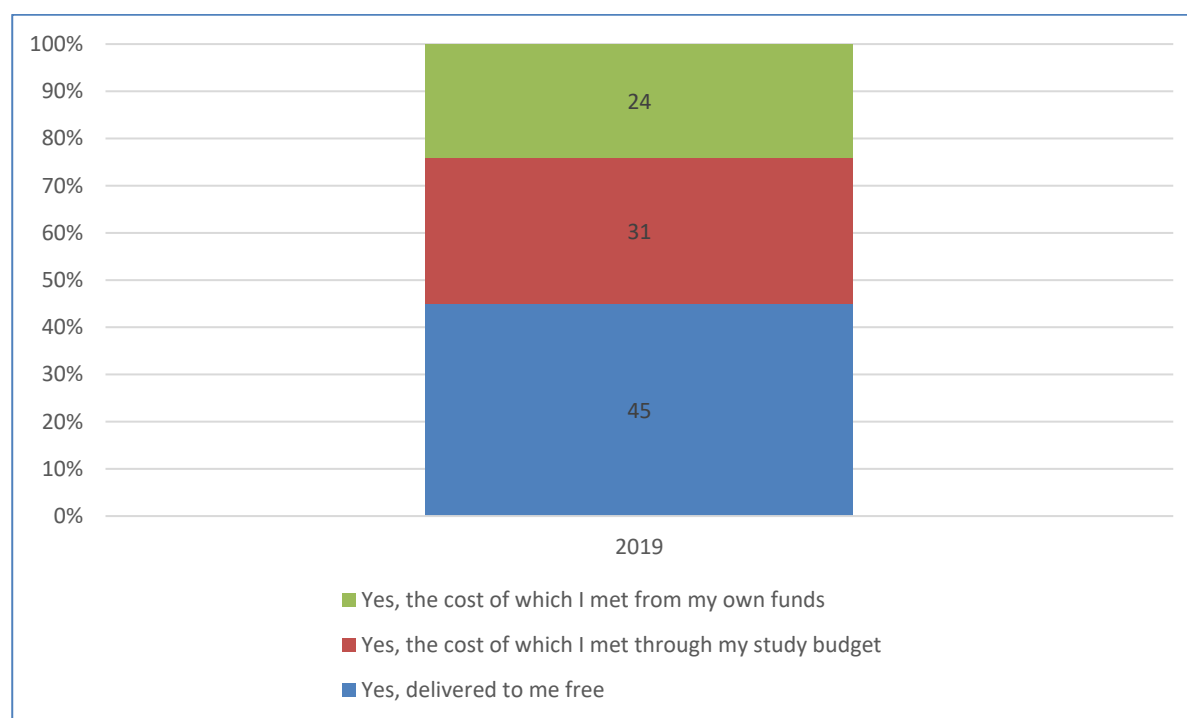
## Deanery



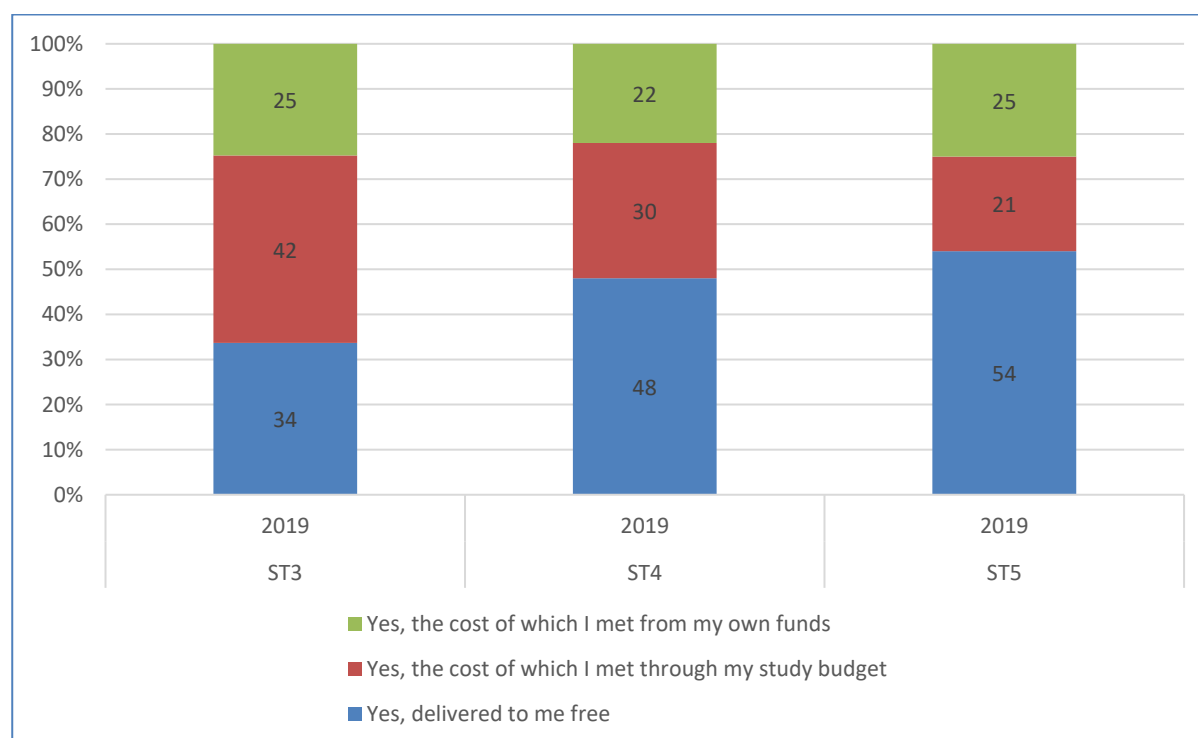
## 18) Did you receive simulation training in your ST3 year?

(This question was presented to trainees of the following grades: ST3, ST4, ST5, ) 2018: n=412

### All



### Grade



## Deanery

