

2018 NATIONAL TRAINEE SURVEY RESULTS

CARDIOLOGY

SPECIALTY SPECIFIC QUESTIONS

OCTOBER 2018

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.

Deanery / LETB	Year	ST3 – ST5	ST6 - ST8	TOTAL	% Difference
Defence Postgraduate Medical Deanery	2017	2	2	4	+ 0%
	2018	2	2	4	
Health Education East Midlands	2017	25	8	33	+ 9%
	2018	27	9	36	
Health Education East of England	2017	24	12	36	+ 22%
	2018	34	10	44	
Health Education Kent, Surrey and Sussex	2017	18	12	30	- 3%
	2018	21	8	29	
Health Education N, C & E London	2017	37	18	55	- 22%
	2018	33	10	43	
Health Education North East	2017	21	2	23	+ 13%
	2018	18	8	26	
Health Education North West	2017	34	22	56	+ 7%
	2018	44	16	60	
Health Education NW London	2017	21	6	27	+ 96%
	2018	39	14	53	
Health Education South London	2017	25	19	44	- 9%
	2018	22	18	40	
Health Education South West	2017	19	11	30	- 20%
	2018	14	10	24	
Health Education Thames Valley	2017	10	6	16	+ 25%
	2018	12	8	20	
Health Education Wessex	2017	21	5	26	+ 0%
	2018	19	7	26	
Health Education West Midlands	2017	24	12	36	- 6%
	2018	23	11	34	
Health Education Yorkshire and the Humber	2017	20	16	36	+ 6%
	2018	21	17	38	
NHS Education for Scotland	2017	34	11	45	+ 22%
	2018	32	23	55	
Northern Ireland Medical & Dental Training Agency	2017	9	7	16	+ 13%
	2018	12	6	18	
Wales Deanery	2017	27	9	36	- 6%
	2018	27	7	34	
TOTAL	2017	371	178	549	+ 6%
	2018	400	184	584	
	Reduction of >10% of trainees completing the NTS in 2018 compared to 2017				

Executive Summary

There were significant regional differences in trainee responses for many of the 20 Cardiology specialty specific questions asked in 2018

97% of ST6-ST8 trainees overall agreed they were undertaking their first choice modules, with 12/16 regions receiving 100% trainee agreement. Trainee agreement in the remaining four regions was: London (South) and North West (94%), Thames Valley (88%) and West Midlands (82%).

90% of ST3-ST8 trainees agreed their educational supervisor at appropriate times and who understood their curricular training needs. Wessex had 100% trainee agreement with North West lowest at 75% agreement.

89% of trainees overall reported their training as Highly Effective or Effective in equipping them for independent practice as a consultant cardiologist with 10/16 regions reporting 100% Highly Effective or Effective. **Wales was however an outlier with only 33% of trainees reporting their training as Highly Effective or Effective with the remaining 67% reporting Neither effective nor ineffective.**

85% of trainees overall reported the quality of the clinical supervision (including feedback) they had received when dealing with outpatients was Very good or Good.

84% of trainees reported undergoing a formal or informal competitive selection process. The most likely advanced modules selected by ST3-ST5 trainees were as follows:

- Coronary Intervention (47% of all trainees, up 1% on 2017)
- Echocardiography Level 1 (29% of all trainees, no change on 2017)
- Heart Failure (26% of all trainees, up 2% on 2017)
- Devices (24% of all trainees, no change on 2017)
- MRI (22% of trainees, no change on 2017)

2% of ST3-ST5 trainees overall were anticipating Nuclear Cardiology as their first choice advanced module, followed closely by ACHD at 4%.

44% of ST6-ST8 trainees reported they spent in excess of 60% of their working time training in their advanced modules, a 9% decrease on 2017.

59% of ST6-ST7 trainees agreed they could easily complete core competencies in ST3 to ST5, up 2% on 2017. Agreement was lowest in West Midlands at 27%.

58% of ST3-ST8 trainees overall attended at least two outpatient clinics on average per week with a further 39% of trainees attending one clinic per week. No trainees reported attending 5 or more outpatient clinics on average per week.

39% of ST3-ST5 trainees reported using BSE Accreditation to complete core echocardiography training, with a further 34% reporting using both BSE Accreditation and Curriculum based elearning/logbook.

Specialty Specific Questions

Specialty Specific Questions	% trainees agreeing overall	2017/2018 Difference	Agreement Highest in 2018	Agreement Lowest in 2018	% difference [Range]
1) How often do you attend joint cardiology/cardiothoracic multidisciplinary or 'Heart team' meetings? (ST3 – ST7)	2017: 2018: >1/wk: 10% 8% 1/wk: 39% 37% 1-3/mth: 21% 25% <1/mth: 13% 17% N/A: 17% 13%	- 2% - 2% +4% +4% - 4%	London (N, C & E) 33% London (NW) 55% Northern Ireland 50% West Midlands 29% North West 32%	North East, South West 0% North West 22% Wales, North West 15% Northern Ireland 6% Yorkshire & Humber 0%	33% [0-33] 33% [22-55] 35% [15-50] 23% [6-29] 32% [32]
2) How did you secure access to sub-specialty training in your chosen advanced modules? (ST6, ST7 only)	2017: 2018: • Formal selection interview 48% • Informal arrangement locally with ES 36% • No formal arrangement 15%	2018 only	LDN (NW & Sth), WMD 100% North East 100% Thames Valley 38%	EoE, NE 0% KSS, LDN (NW & Sth), WMD 0% 6/16 regions 0%	100% [0-100] 100% [0-100] 38% [0-38]
3) Are you undertaking your first choice module(s)? (ST6, ST7 only) Strongly agree/Agree	2017: 2018: 96% 97%	+1%	12/16 regions 100% LDN (S), NW 94%	West Midlands 82% Thames Valley 88%	18% [82-100]
4) I could easily complete all my core competencies in ST3 to 5 (ST6, ST7 only) Strongly agree/Agree	2017: 2018: 57% 59%	+2%	London (NC&E) 90% Northern Ireland 84% Kent, Surrey & Sussex 76% Wessex 72%	West Midlands 27% London (S) 39% SWN, THA 50% Scotland 52%	63% [27-90]
5) On average, what proportion of your working time involves training in your advanced modules? (ST6, ST7 only)	2017: 2018: 0%: 1% 1% 1-20%: 4% 5% 21-40%: 12% 16% 41-60%: 30% 35% 61-80%: 35% 29% 81-100%: 18% 15%	+0% +1% +4% +5% -6% -3%	Thames Valley 13% Kent, Surrey & Sussex 25% Scotland 39% Yorkshire & Humber 59% North East 75% London (N, C & E) 40%	15/16 regions 0% 8/16 regions 0% 4/16 regions 0% North West 6% Northern Ireland 0% 5/16 regions 0%	13% [0-13] 25% [0-25] 39% [0-39] 53% [6-59] 75% [0-75] 40% [0-40]

Specialty Specific Questions	% trainees agreeing overall	2017/2018 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)	2017: 2018:				
• Yes, fulfilling core curriculum	72% 67%	-5%	Wessex 100%	Northern Ireland 17%	83 [17-100]
• Yes, not fulfilling curriculum	24% 26%	+2%	Northern Ireland 83%	LDN (NW), Wessex 0%	83 [0-83]
• Not at all	4% 7%	+3%	Thames Valley 25%	9/16 regions 0%	25 [0-25]
7) Please select your likely advanced modules (to add up to 4 or 5 units) (ST3, ST4, ST5 only)	See graphs and tables on pages 14 - 18				
8) 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)	2017: 2018:				
	0%: 0% 0%	+0%	East Midlands 4%	15/16 regions 0%	4 [0-4]
	1-20%: 14% 10%	- 4%	North West 18%	KSS, LDN (S), THV 0%	18 [0-18]
	21-40%: 35% 31%	- 4%	London (S) 45%	LDN (N, C & E) 15%	30 [15-45]
	41-60%: 27% 32%	+5%	Thames Valley 50%	North West 18%	32 [18-50]
	61-80%: 17% 18%	+1%	Scotland 34%	London (NW) 5%	29 [5-34]
	81-100%: 6% 9%	+3%	Thames Valley 25%	North East, South West 0%	25 [0-25]
9) In which area do you usually work when you are on call? (ST3 – ST7)	2017: 2018:				
• Acute Medicine	38% 38%	+0%	South West 54%	LDN (NW), THV 25%	29 [25-54]
• Cardiology with primary PCI	55% 55%	+0%	West Midlands 74%	East of England 43%	31 [43-74]
• Cardiology w/o primary PCI	6% 6%	+0%	East of England 16%	EMD, NE, SW, WAL, WMD 0%	16 [0-16]
• Other	1% 1%	+0%	London (N, C & E) 9%	14/16 regions 0%	9 [0-9]
10) I am able to meet with an educational supervisor at appropriate times who understands the curriculum and my training needs (ST3 – ST7) Strongly agree/Agree	2017: 2018:				
	91% 90%	-1%	Wessex 100%	North West 75%	
			West Midlands 97%	Wales 79%	
			EoE, THV 95%	East Midlands 81%	
			LDN (NW), NI 94%	North East 88%	
			KSS, LDN (N,C&E/S), SCO 93%	Yorkshire & Humber 89%	
			South West 92%		25 [75-100]

Specialty Specific Questions	% trainees agreeing overall	2017/2018 Difference	Agreement Highest	Agreement Lowest	% difference [Range]
11) In an average week, how many outpatient clinics do you attend? (ST3 – ST7)	2017: 2018: 0: 2% 3% 1: 33% 39% 2: 54% 50% 3: 10% 7% 4: 1% 1% 5+: 0%	+1% +6% -4% -3% +0%	North East 19% LDN (NW), Scotland 62% North East 73% East of England 18% Thames Valley 5%	7/16 regions 0% North East 19% London (NW) 26% SW, THV, Wessex 0% 12/16 regions 0% 16/16 regions 0%	19 [0-19] 43 [19-62] 47 [26-73] 18 [0-18] 5 [0-5] 0
12) How effective has your training been in equipping you for independent practice as a consultant cardiologist? (ST7 only) Highly Effective/Effective	2018: 89%	2018 only	10/16 regions 100% Scotland 89% Yorkshire & Humber 86% East of England 80%	Wales 33% London (S) 69% South West 75%	67 [33-100]
13) Within the last year how many non-clinical management meetings have you attended? (ST6, ST7 only)	2018: 0: 37% 1-5: 51% 6-10: 8% 11+: 5%	2018 only	South West 80% Kent, Surrey & Sussex 75% East Midlands 33% London (N, C & E) 50%	London (N, C & E) 10% South West 20% KSS, LDN(S), SCO, SW, WAL 0% 12/16 regions 0%	70 [10-80] 55 [20-75] 33 [0-33] 50 [0-50]
14) Which of the following are you using to complete core echocardiography training? (ST3, ST4, ST5 only)	2018: 39% 27% 34%	2018 only	London (NW) 77% North East 61% Northern Ireland 67%	Kent, Surrey & Sussex 5% London (NW) 3% Yorkshire & Humber 14%	72 [5-77] 58 [3-61] 53 [14-67]
15) What proportion of your outpatient clinics have a consultant available for consultation? (ST3 – ST7)	2018: 0%: 1% 1-20%: 1% 21-40%: 1% 41-60%: 9% 61-80%: 14% 81-100%: 74%	2018 only	East of England 7% East of England 9% South West 8% Wales 24% London (S) 25% Thames Valley 95%	13/16 regions 0% 12/16 regions 0% 11/16 regions 0% LDN (N,C&E) NE, THV 0% Northern Ireland 0% Wales 56%	7 [0-7] 9 [0-9] 8 [0-8] 24 [0-24] 25 [0-25] 39 [56-95]

Specialty Specific Questions	% trainees agreeing overall	2017/2018 Difference	Agreement Highest	Agreement Lowest	% difference [Range]
<p>16) In this post how would you rate the quality of the clinical supervision (including feedback) you have received when dealing with outpatients? (ST3 – ST7)</p> <ul style="list-style-type: none"> Very good/Good: N/A (No outpatients dealt with) 	<p>2018:</p> <p>85%</p> <p>1%</p>	2018 only	<p>Wessex 100%</p> <p>West Midlands 94%</p> <p>South West 91%</p> <p>KSS, LDN (NC&E), THV 90%</p> <p>Northern Ireland 89%</p> <p>LDN (NW), NE 85%</p>	<p>East Midlands 72%</p> <p>East of England 77%</p> <p>North West 80%</p> <p>Wales 82%</p> <p>London (S) 83%</p> <p>SCO, Y & H 84%</p>	28 [72-100]
<p>17) In your ordinary working week are you able to find time for supporting professional activities such as audit or quality improvement? (ST3-ST7)</p>	<p>2018:</p> <p>Yes: 52%</p> <p>No: 48%</p>	2018 only	<p>North East 69%</p> <p>Northern Ireland 67%</p> <p>London (NC&E) 65%</p> <p>Yorkshire & Humber 61%</p> <p>Scotland 60%</p> <p>Wessex 58%</p> <p>Thames Valley 55%</p>	<p>London (S) 35%</p> <p>East Midlands 36%</p> <p>West Midlands, NW 47%</p> <p>Kent, Surrey & Sussex 48%</p> <p>London (NW) 49%</p> <p>Wales 50%</p> <p>East of England 52%</p> <p>South West 54%</p>	34 [35-69]
<p>18) If you have taken out of programme time for research, training or experience (OOPR/T/E), or intend to in the future, to what extent do you agree with the following statement? My local Deanery/LETB is supportive of trainees taking OOPR/T/E (ST3 – ST7)</p> <ul style="list-style-type: none"> Strongly agree/agree 	<p>2018:</p> <p>57%</p>	2018 only	<p>LDN (NW), NIR 87%</p> <p>London (NC&E) 84%</p> <p>North East 82%</p> <p>Wessex 81%</p> <p>Thames Valley 80%</p> <p>Scotland 79%</p> <p>Yorkshire & Humber 72%</p> <p>Kent, Surrey & Sussex 71%</p>	<p>North West 32%</p> <p>EMD, EOE 51%</p> <p>West Midlands 60%</p> <p>South West 67%</p> <p>London (S) 70%</p>	55 [32-87]

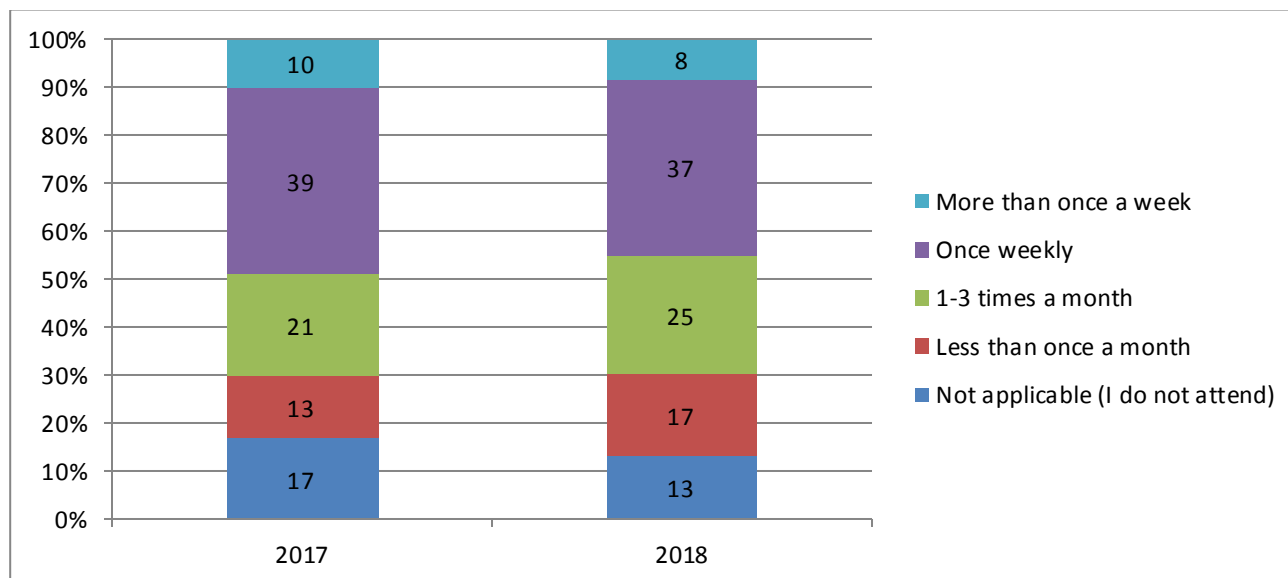
Specialty Specific Questions	% trainees agreeing overall	2017/2018 Difference	Agreement Highest	Agreement Lowest	% difference [Range]
19) If you have been approved for OOPR/T/E when are you allowed to leave the programme? (ST3 – ST7) <ul style="list-style-type: none"> At any time 3 mths notice 6 mths notice Only on rotation date 	2018: 5% 24% 56% 15%	2018 only	West Midlands 73% Thames Valley 83% Kent, Surrey & Sussex 86% Wessex 60%	7/16 regions 0% KSS, NW, Wessex, WMD 0% Wessex, WMD 0% EMD, SW, THV, Wales 0%	
20) Have you unsuccessfully applied for OOPR/T/E in the last 12 months? (ST3-ST7)	2018: Yes: 4% No: 45% N/A 51%	2018 only	Unsuccessful appln London (NW) 8% EMD, NW, WMD 6% LDN (N,C&E) NW, SCO 5% Wales, Y & H 3% East of England 2%	Unsuccessful appln Kent, Surrey & Sussex 0% London (S) 0% North East 0% Thames Valley 0% Wessex 0%	

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

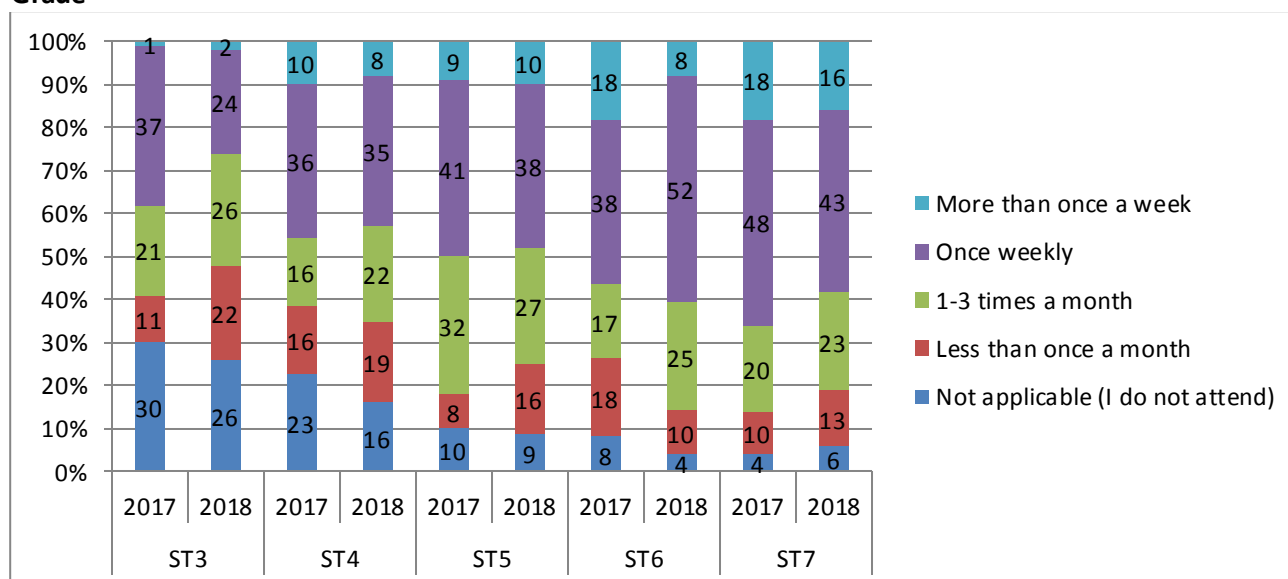
(This question was presented to trainees of the following grades: ST3, ST4, ST5, ST6, ST7) 2017: n=549

2018: n=584

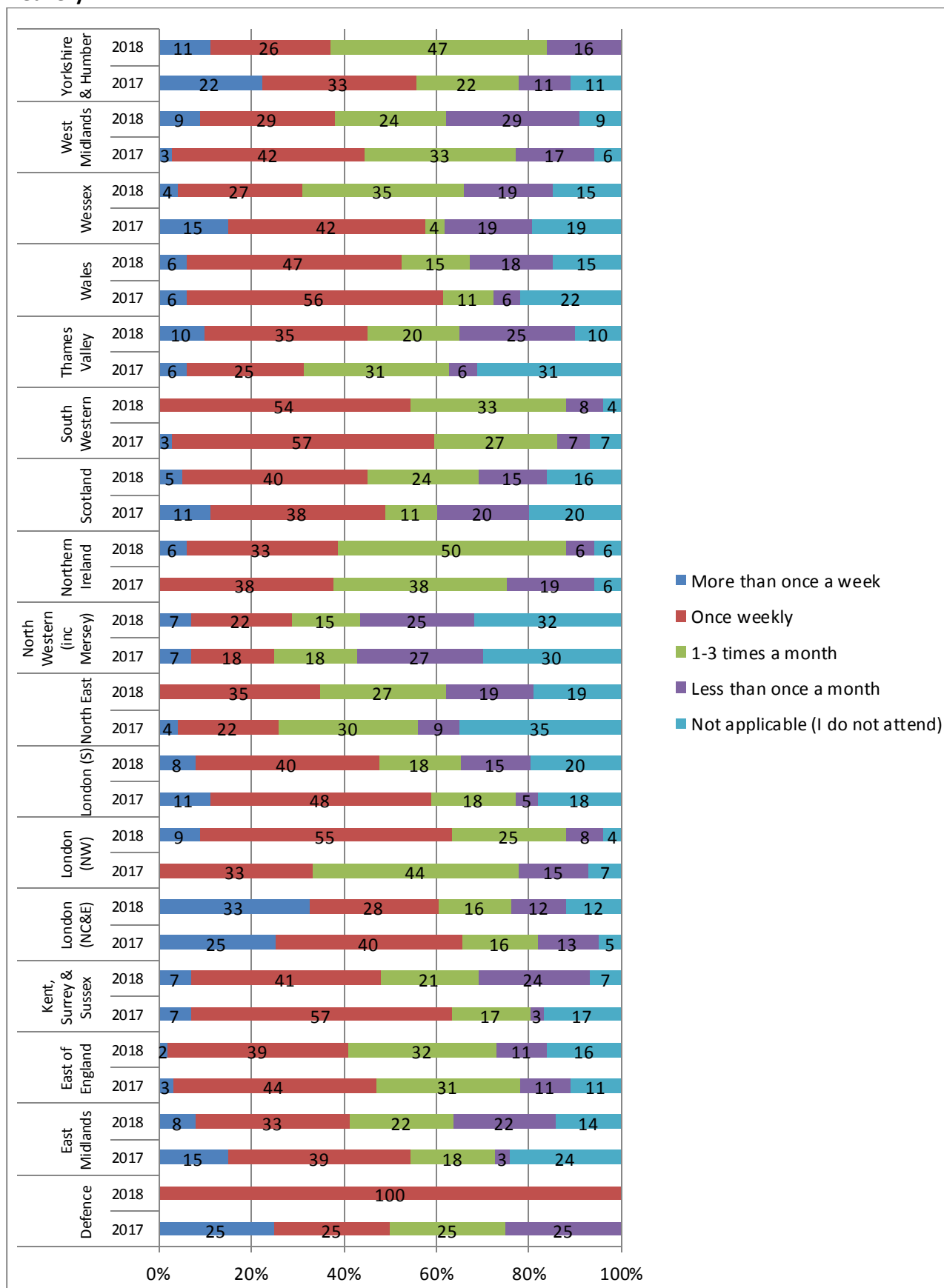
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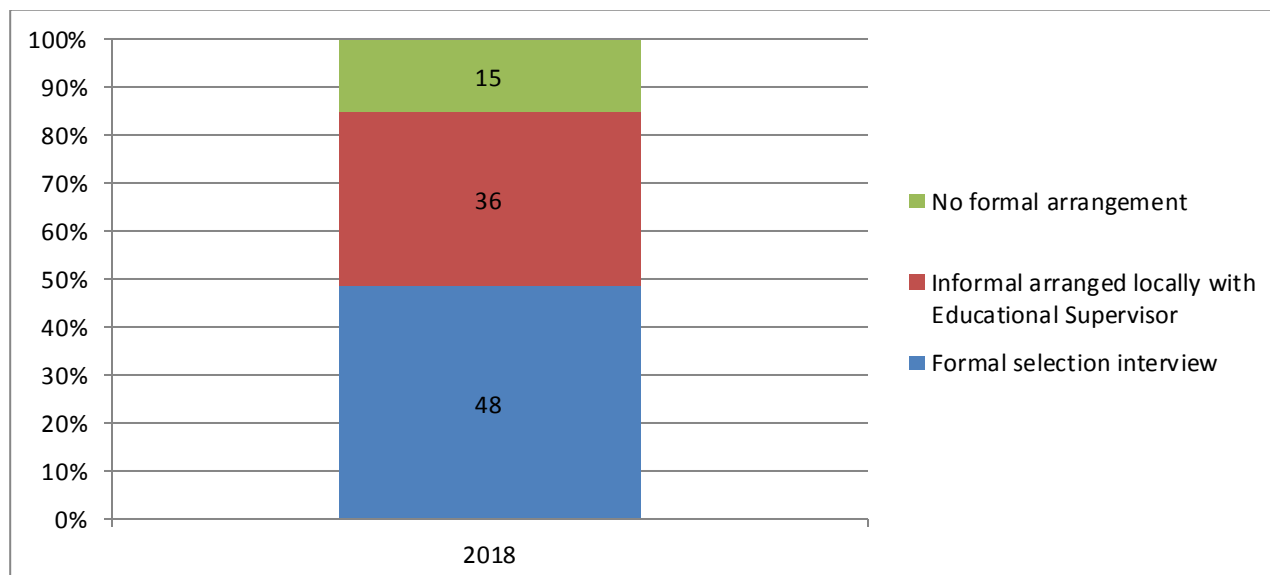
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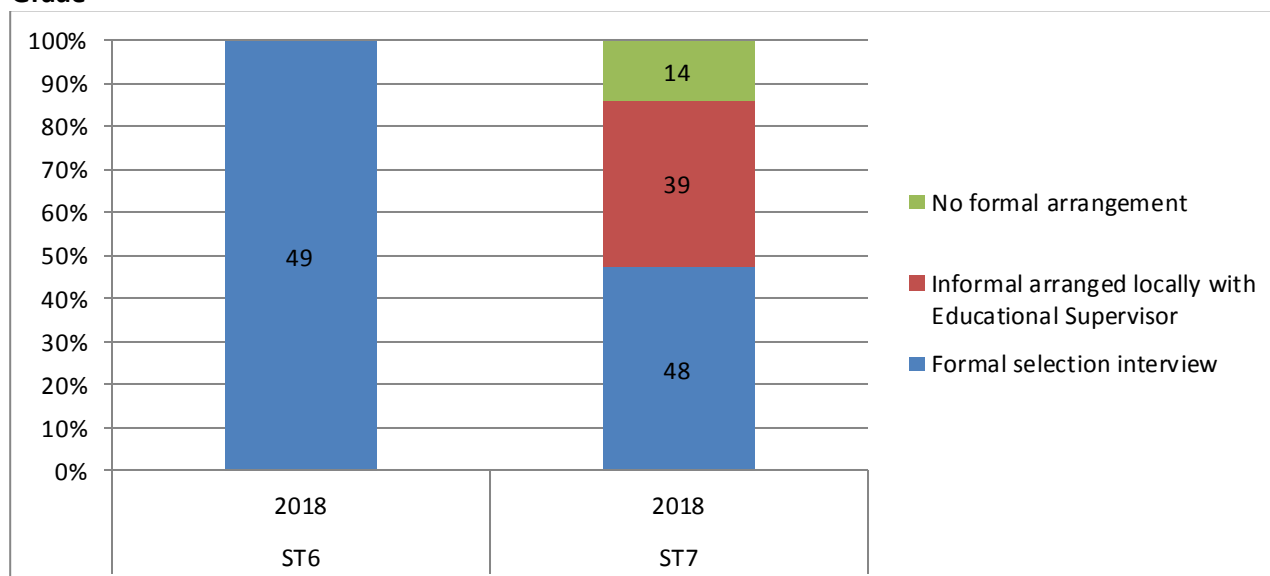
2) How did you secure access to sub-specialty training in your chosen advanced modules?

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

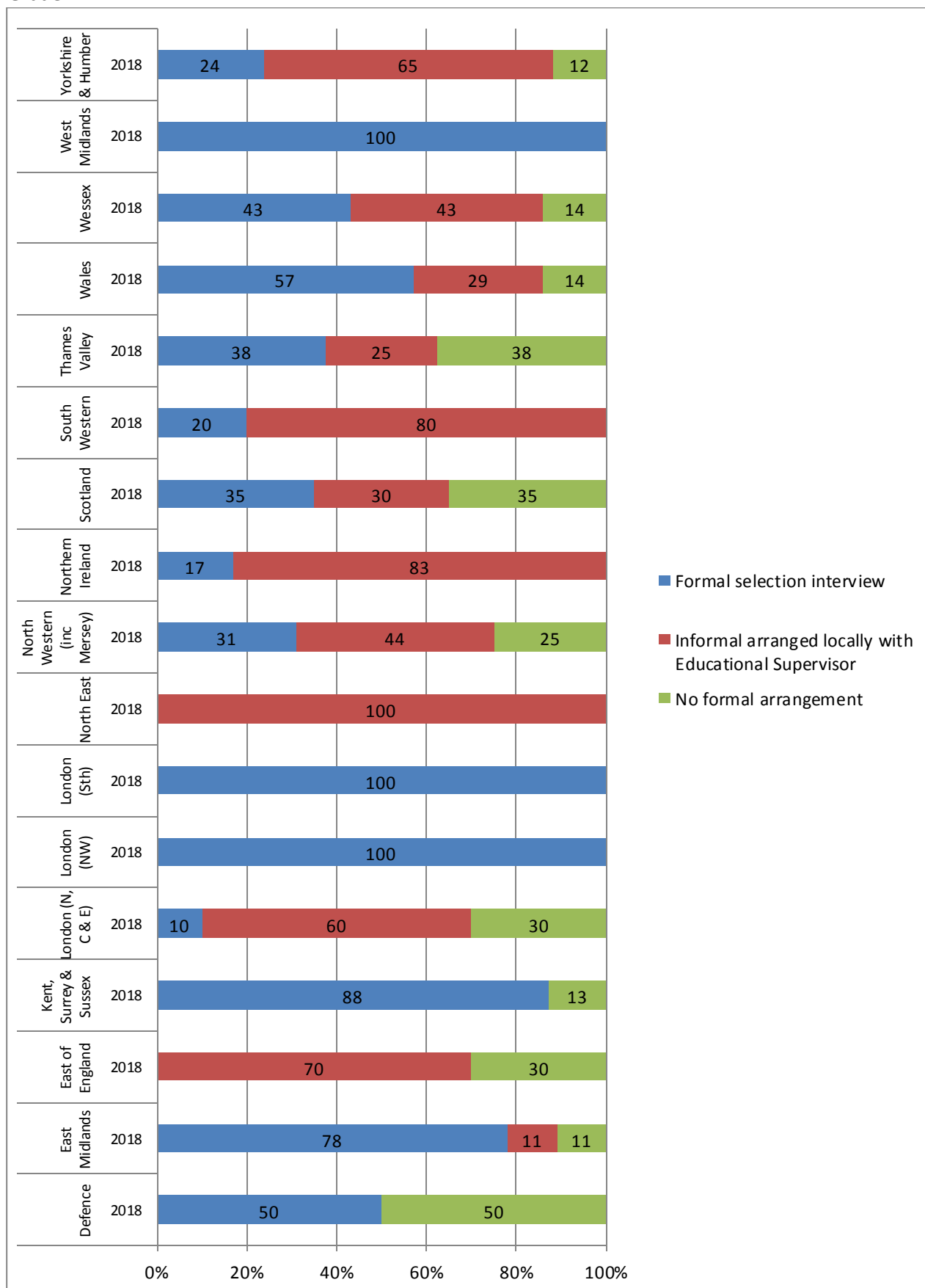
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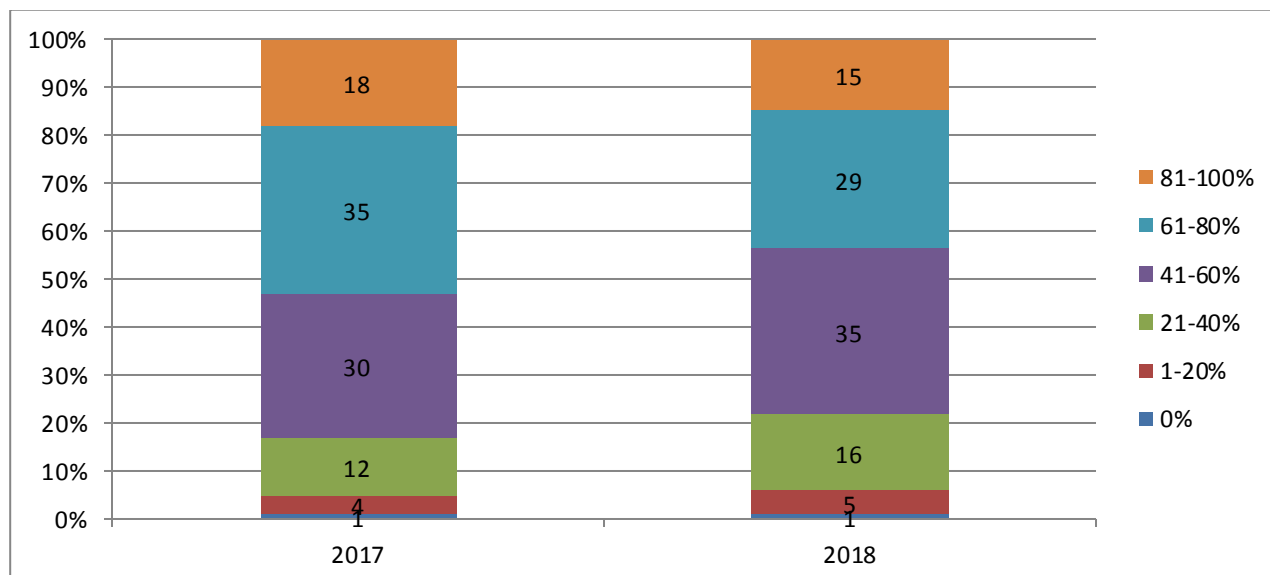


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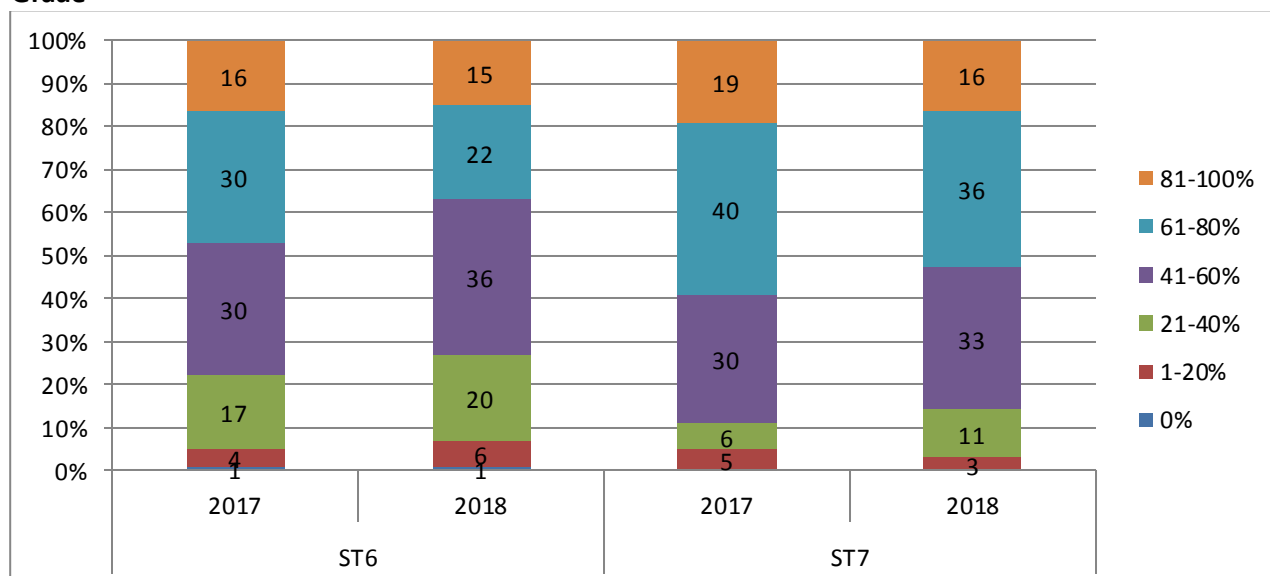


5) On average, what proportion of your working time involves training in your advanced modules? (This question was presented to trainees in the following grades: ST6, ST7) 2017: n=178, 2018: n=184

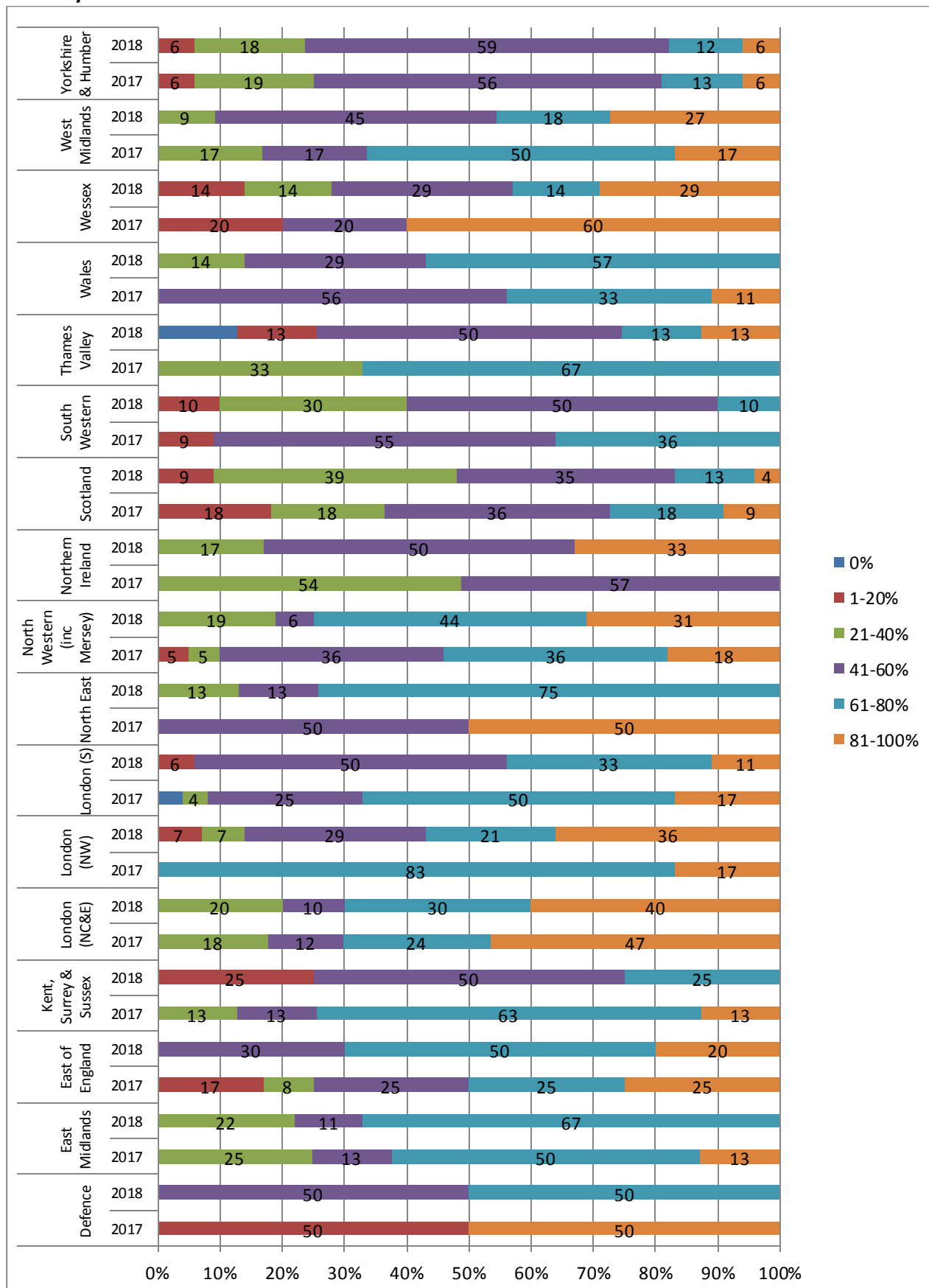
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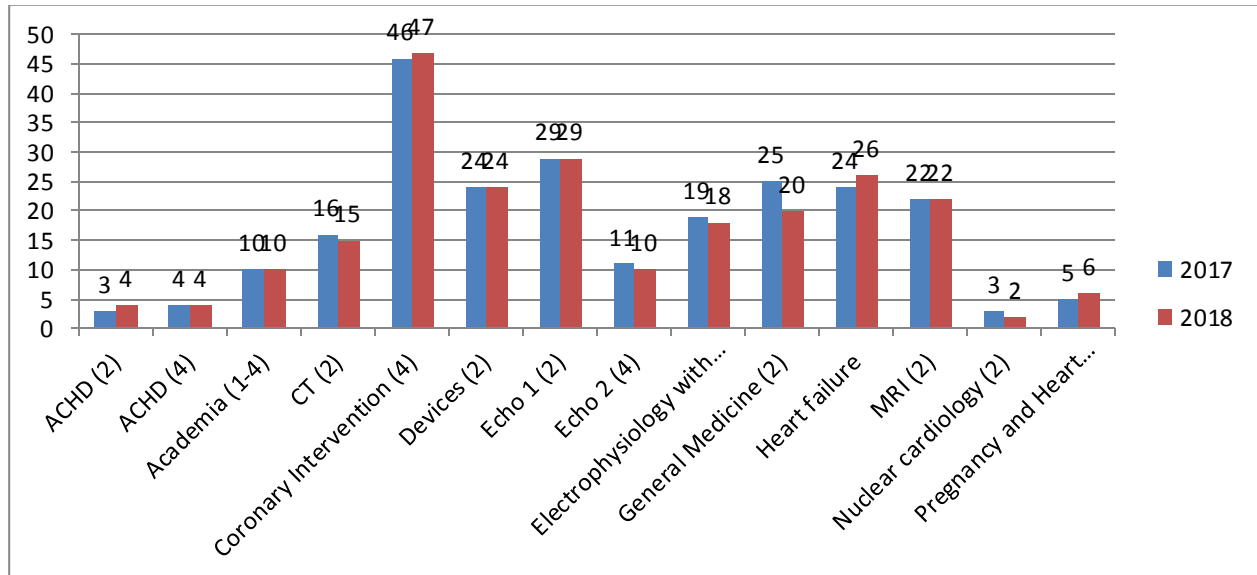
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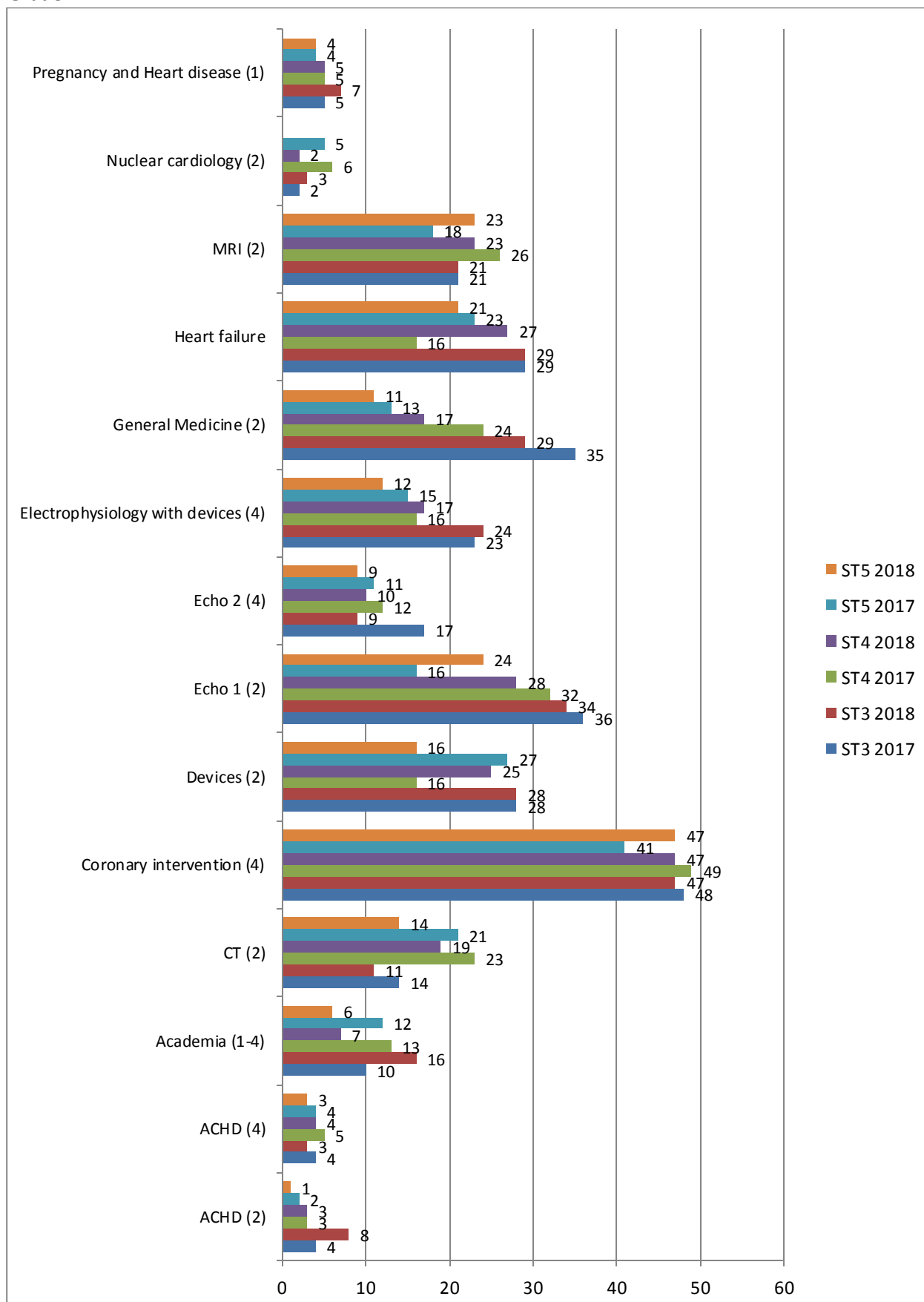
7) Please select your likely advanced modules so that they add up to 4 or 5 units (select all that apply)

(This question was presented to trainees of the following grades: ST3, ST4, ST5) 2017: n=371, 2018: n=1400

All



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	Defence		East Midlands		East of England		Kent, Surrey & Sussex		London (NC&E)		London (NW)	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
ACHD (2)			4	3	8		6	14	8		10	6
ACHD (4)						2			14	2	14	6
Academia (1-4)			8	6	4	5	11	3	14	16	10	13
CT (2)		50	8	11	12	5	6		24	14	19	11
Coronary intervention (4)	50	50	52	33	58	45	50	41	32	26	43	32
Devices (2)			44	17	25	20	33	28	24	19	14	13
Echo 1 (2)	50	50	33	28	21	20	28	21	41	23	38	21
Echo 2 (4)			20	6	4	7			16	7		15
Electrophysiology with devices (4)			24	14	8	14	17	14	19	21	14	11
General Medicine (2)	100	50	36	17	17	9	44	21	22	12	24	15
Heart failure			32	19	21	27	17	21	32	23	14	15
MRI (2)	50	50	28	19	21	16	11	7	27	16	19	19
Nuclear cardiology (2)					4				5	2		
Pregnancy and Heart disease (1)			4	3	8			7	8	9	6	2

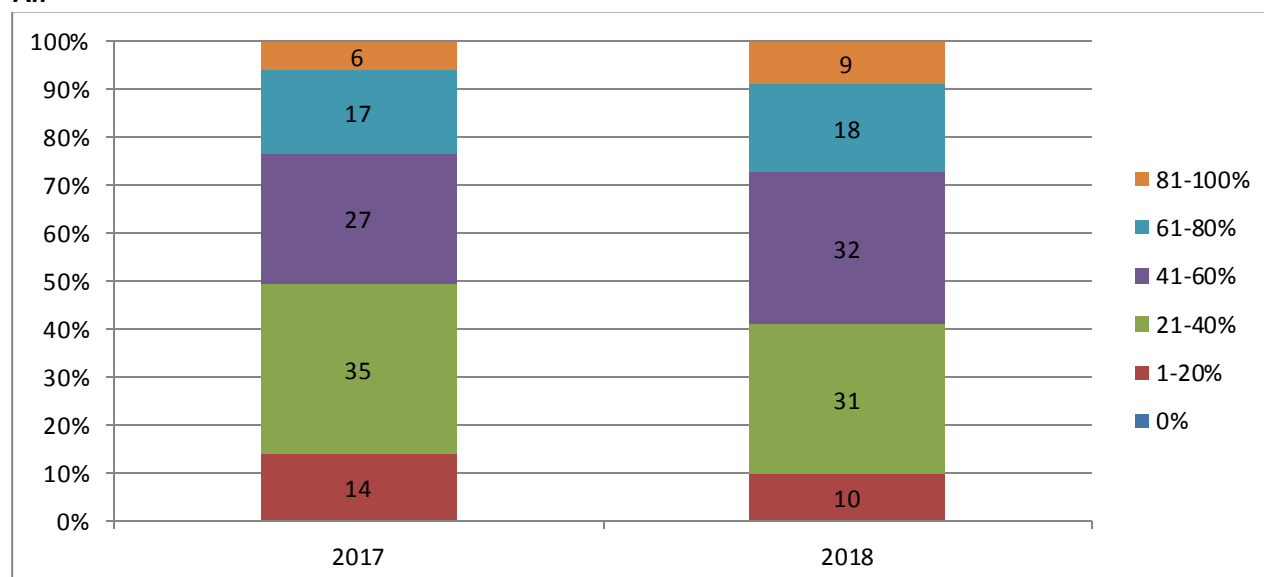
	London (S)		North East		North Western (inc Mersey)		Northern Ireland		Scotland		South Western	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
ACHD (2)		45	5			2		5		6	5	7
ACHD (4)	4			6		2		2	3	6	5	7
Academia (1-4)	24	9		6	3	5			21	13	5	14
CT (2)	8	9	19		26	20		2	35	25	16	29
Coronary intervention (4)	56	59	52	50	26	32	44	14	59	44	42	71
Devices (2)	12	14	14	11	32	34	33	5	24	19	26	7
Echo 1 (2)	16	18	38	17	26	36	56	7	35	44	26	29
Echo 2 (4)	12	5	19		9	11		2	21	22	5	14
Electrophysiology with devices (4)	20	14	19	22	29	18	11	5	9	16	16	14
General Medicine (2)	20	14	24	11	29	30	33	7	24	16	16	29
Heart failure	16	27	29	22	29	27	44	9	24	31	21	
MRI (2)		23	43	22	24	30	11	7	26	34	21	7
Nuclear cardiology (2)			14		3	2		2		3		
Pregnancy and Heart disease (1)				6	9	7		2	3	13	5	7

	Thames Valley		Wales		Wessex		West Midlands		Yorkshire & Humber	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
ACHD (2)				4						5
ACHD (4)							8	11	10	5
Academia (1-4)	20	17	4	4	5		12	26	15	10
CT (2)	30	17	15	11		16	8	32	10	5
Coronary intervention (4)	30	33	59	44	52	53	37	63	45	57
Devices (2)		42	26	22	19	21	25	26	25	33
Echo 1 (2)	20	25	26	26	14	21	21	16	25	38
Echo 2 (4)	30	17	19	7	5	11	4		10	
Electrophysiology with devices (4)	30	33	11	11	29	16	21	26	25	10
General Medicine (2)	10	25	41	26	29	21	12		15	19
Heart failure	10	17	22	37	19	21	17	5	30	33
MRI (2)	20	25	15	11	10	14	25	16	20	24
Nuclear cardiology (2)		17	11	4						
Pregnancy and Heart disease (1)			4	7	5		4	5	10	5

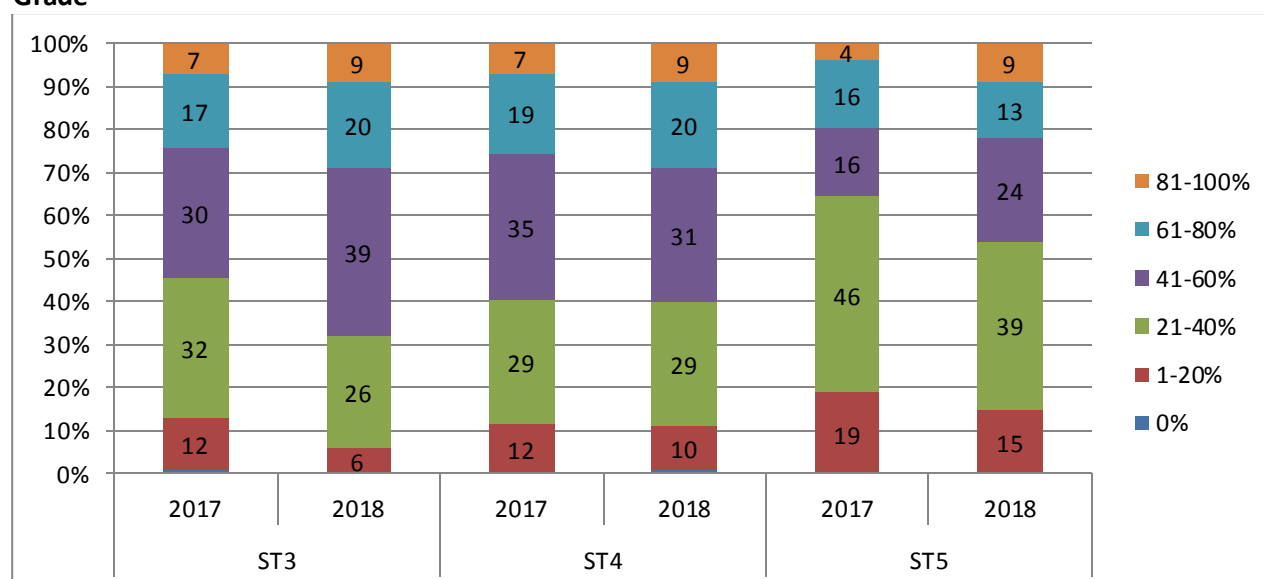
8) On average, what proportion of your time involved managing cardiac patients in an acute setting (CCU, A&E, Acute Medical Unit)

(This question was presented to trainees of the following grades: ST3, ST4, ST5) 2017: n=371, 2018: n=400

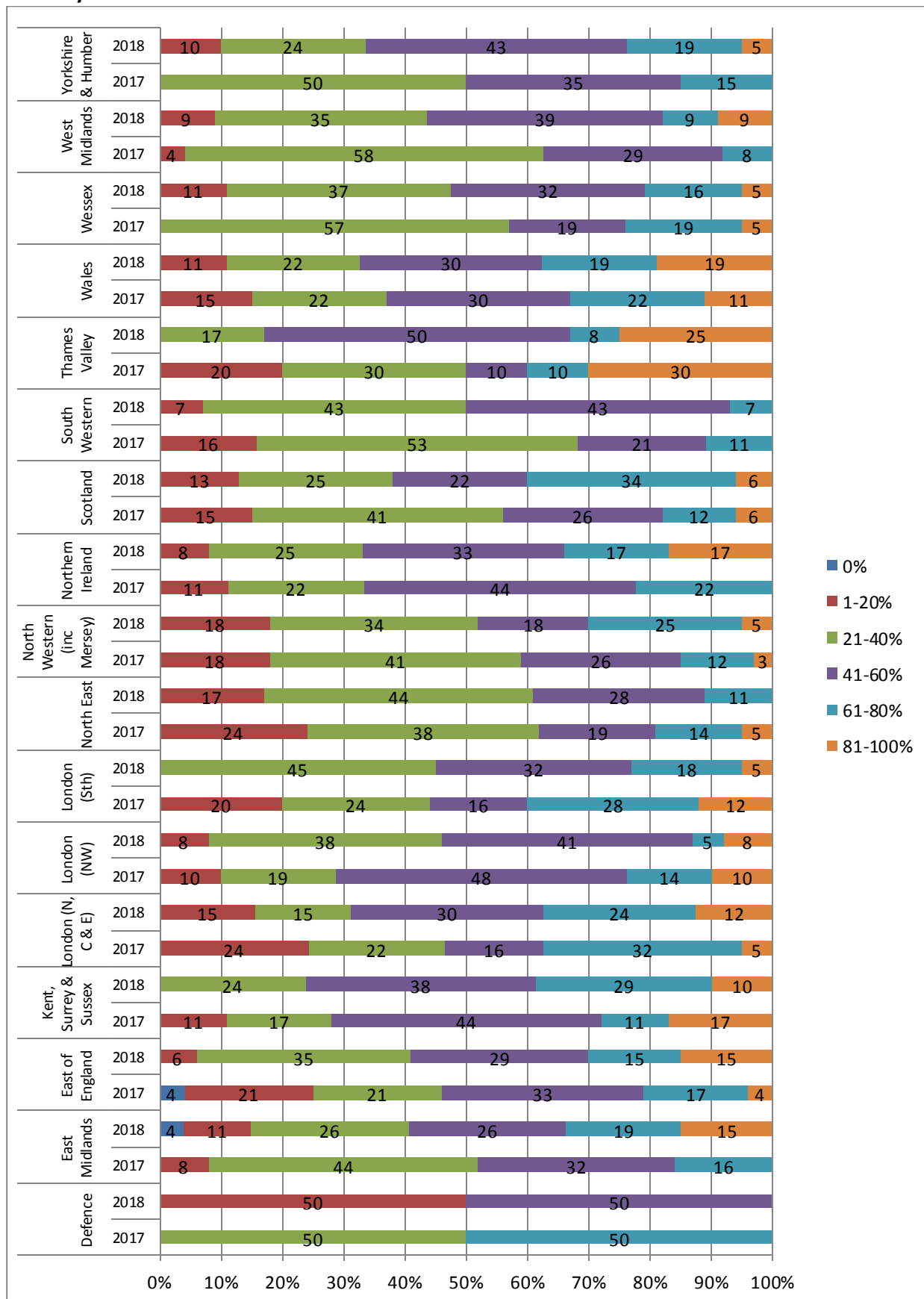
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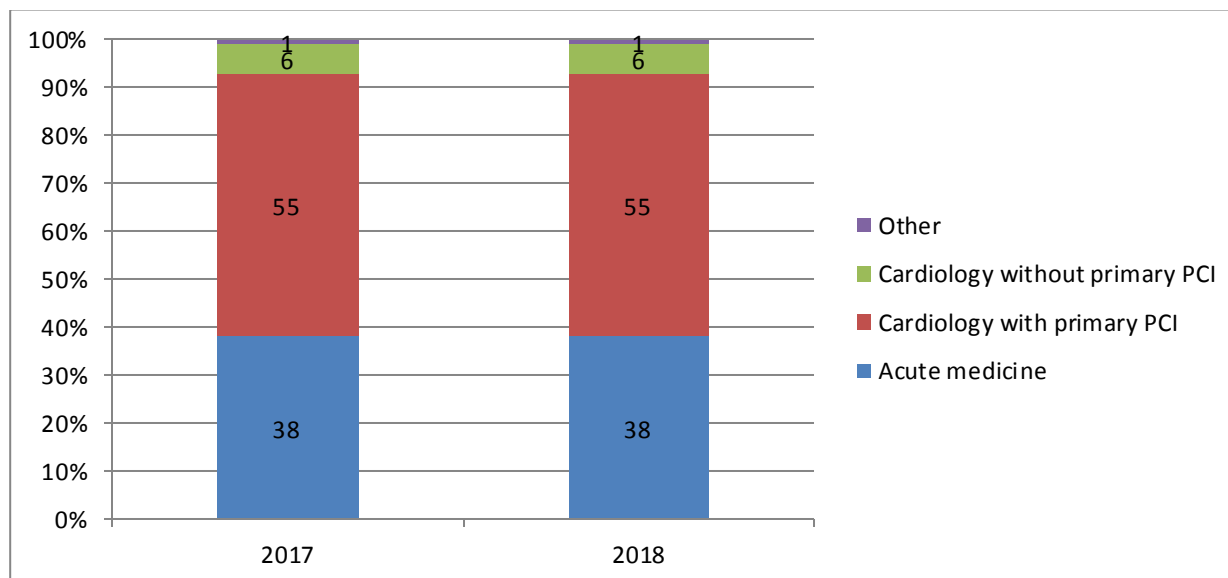
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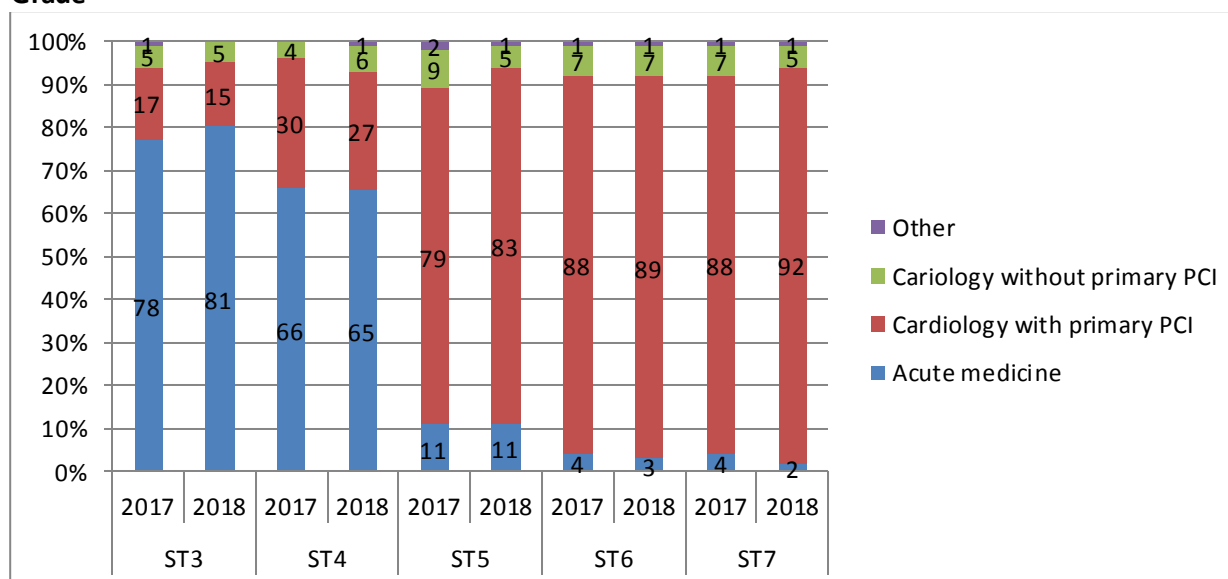
9) In which area do you usually work when you are on call?

(This question was presented to trainees of the following grades: ST3, ST4, ST5, ST6, ST7) 2017: n=549, 2018: n=584

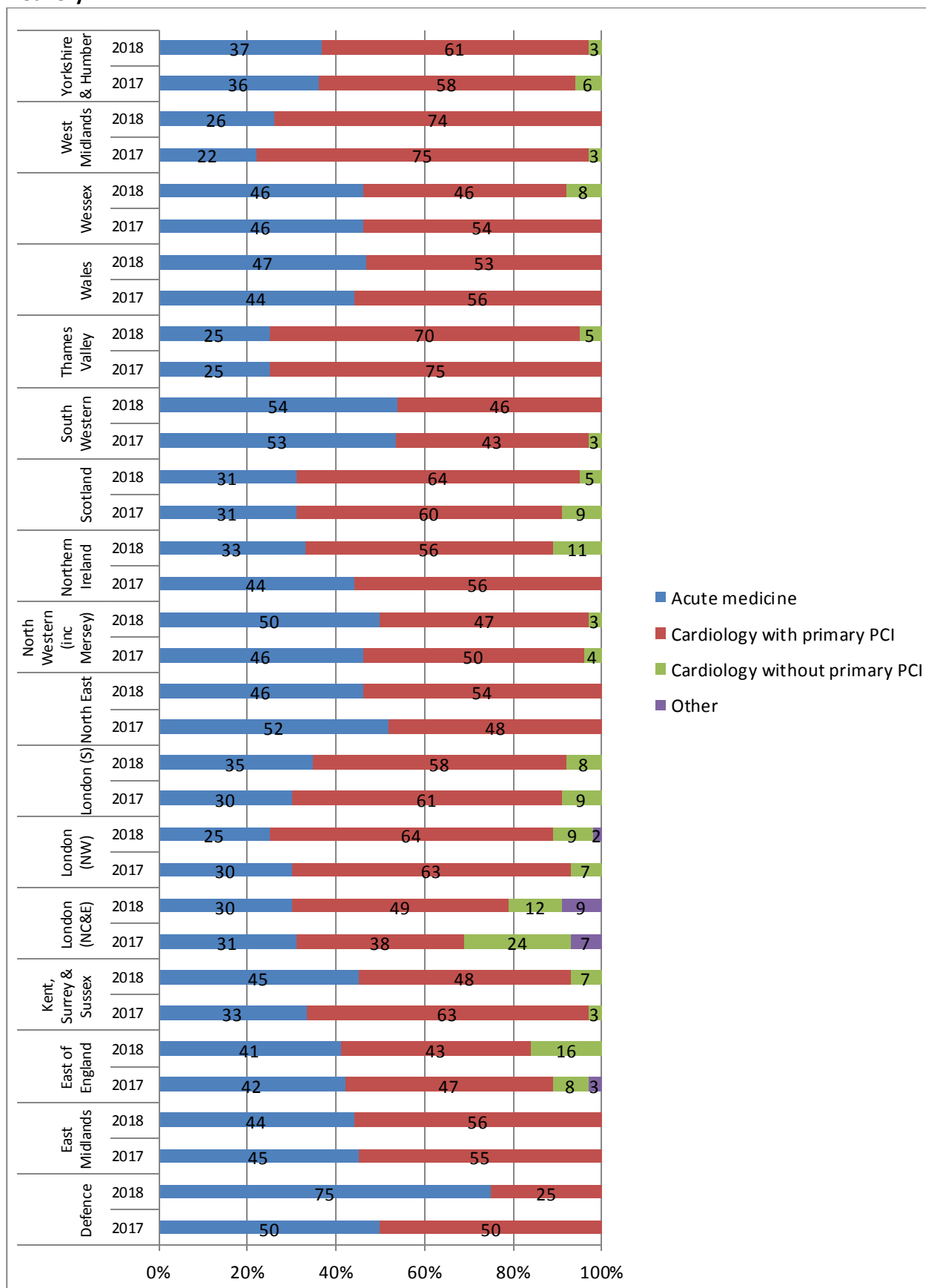
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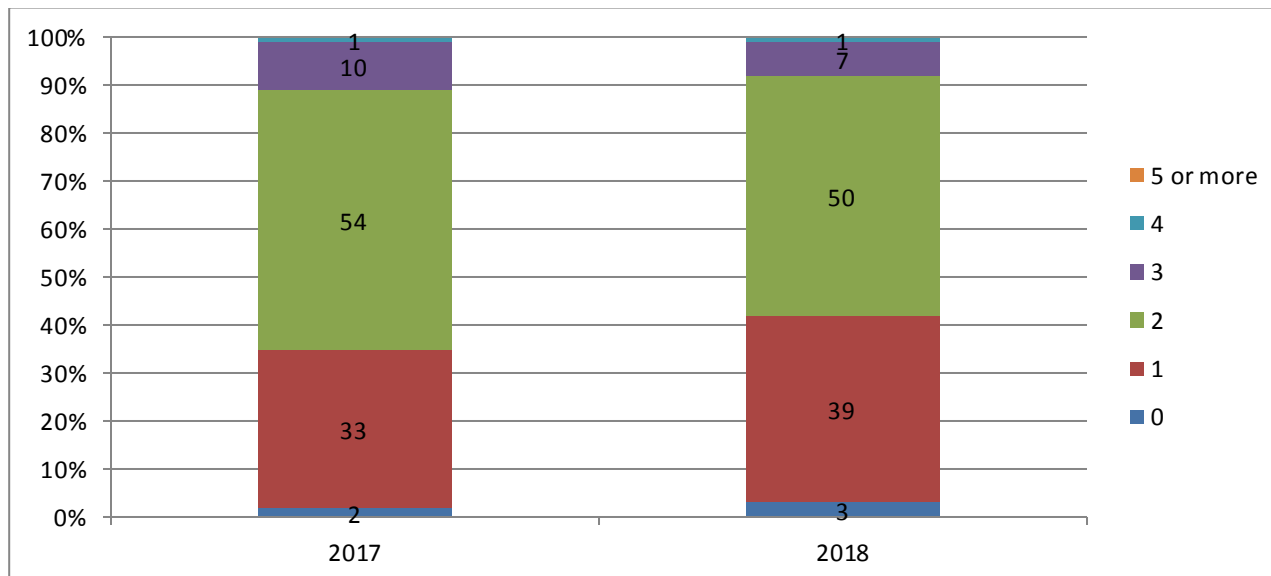
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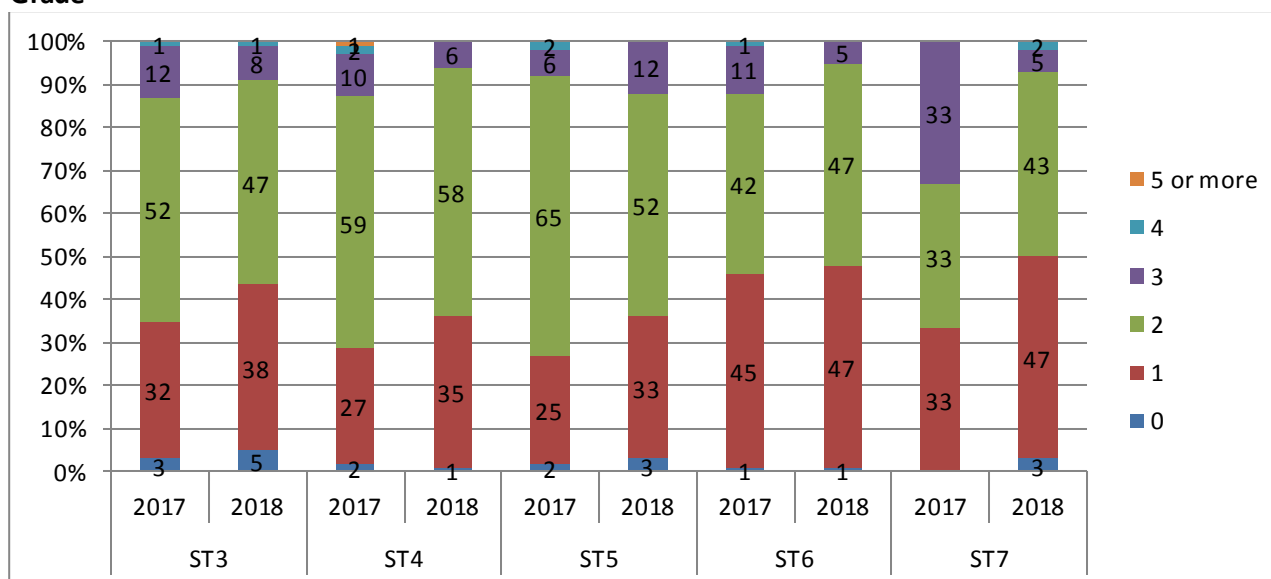
11) In an average week, how many outpatient clinics do you attend?

(This question was presented to trainees of the following grades: ST3, ST4, ST5, ST6, ST7) 2017: n=549, 2018: n=584

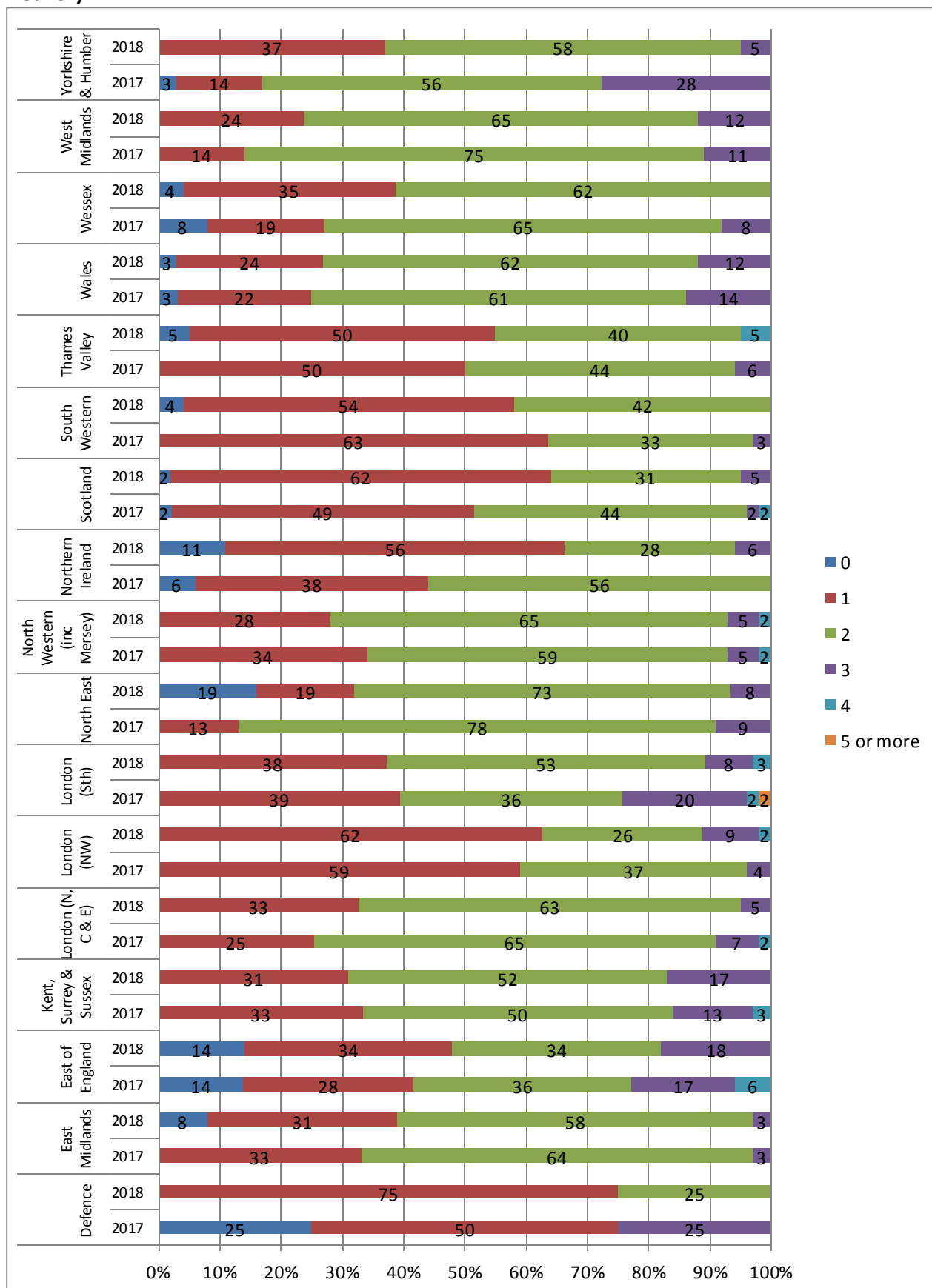
All



Grade



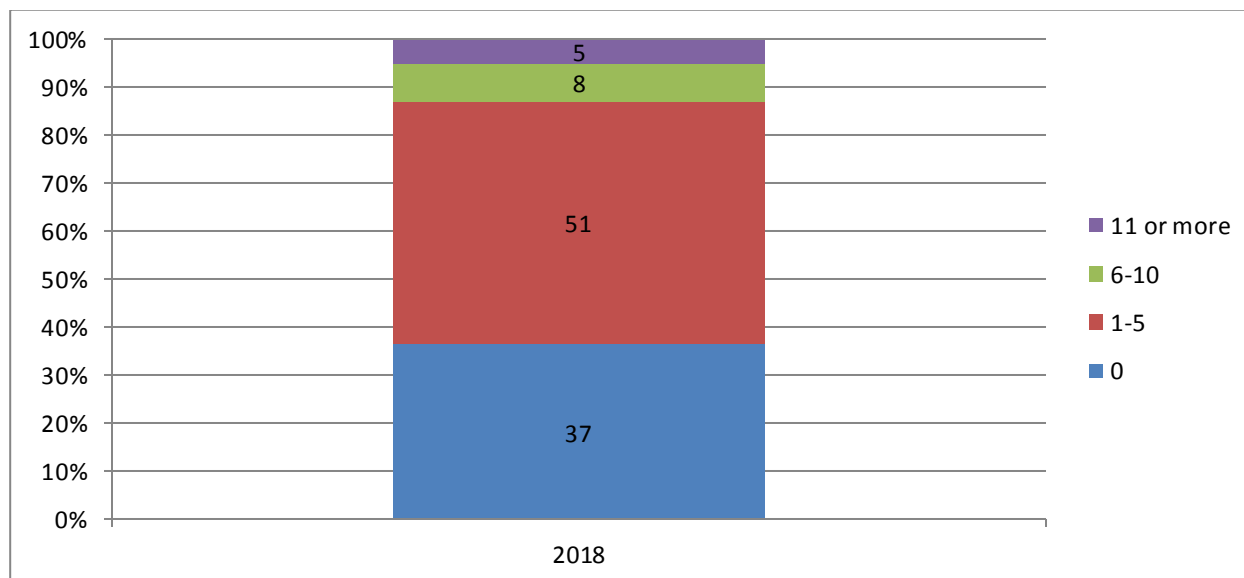
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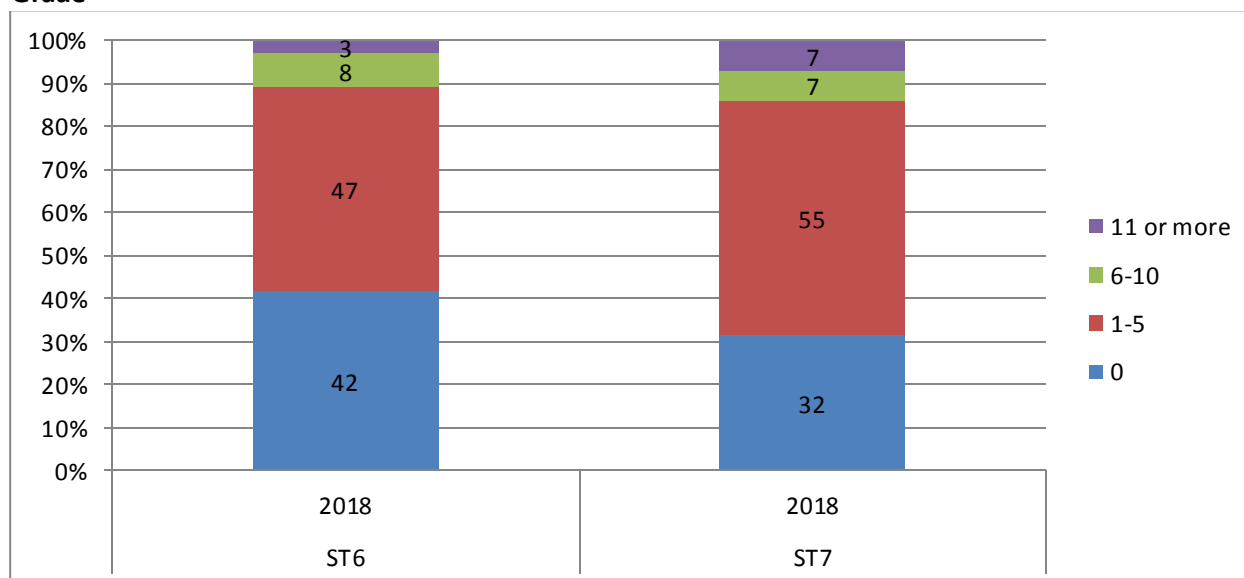
13) Within the last year how many non-clinical management meetings have you attended?

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

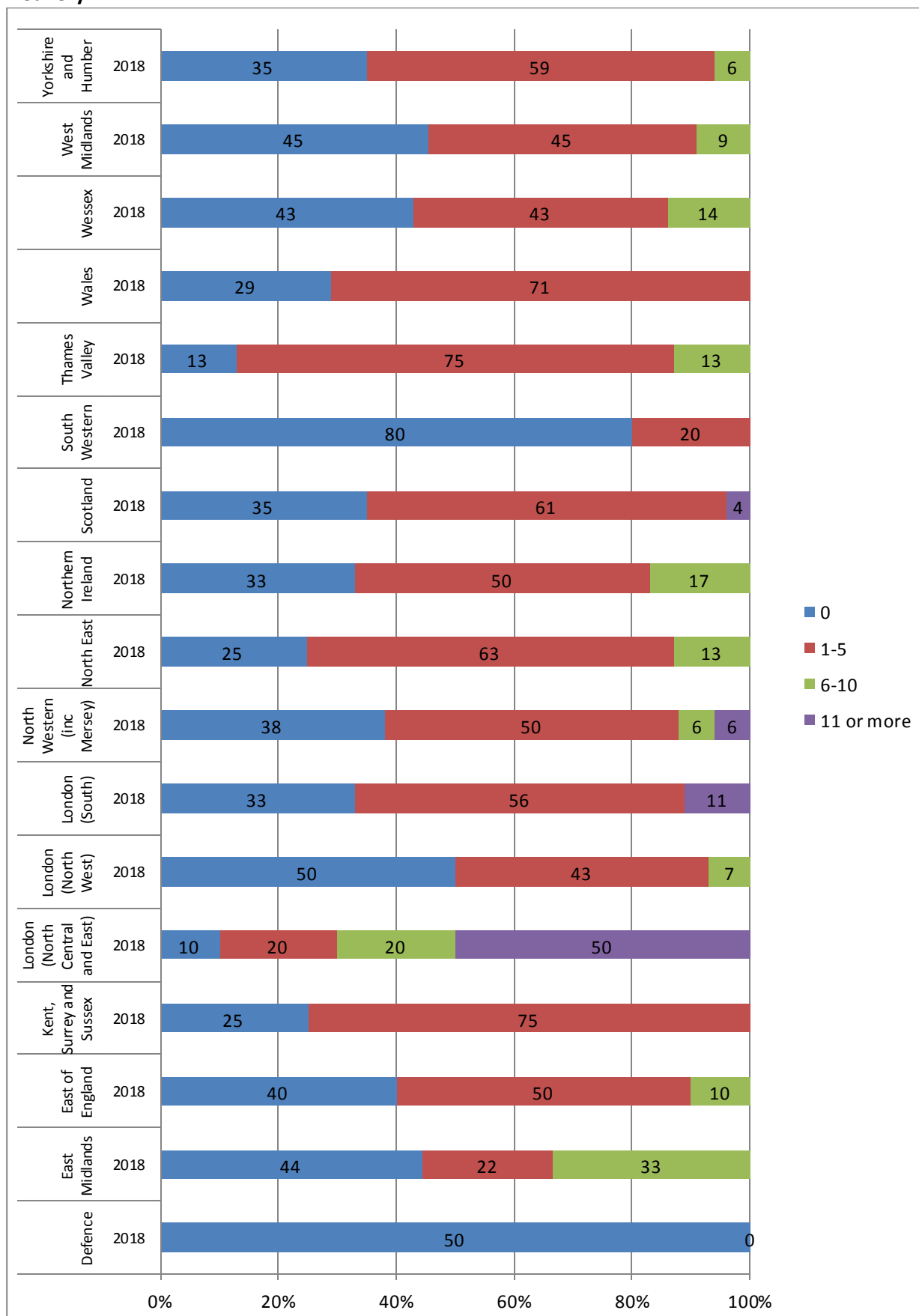
All



Grade



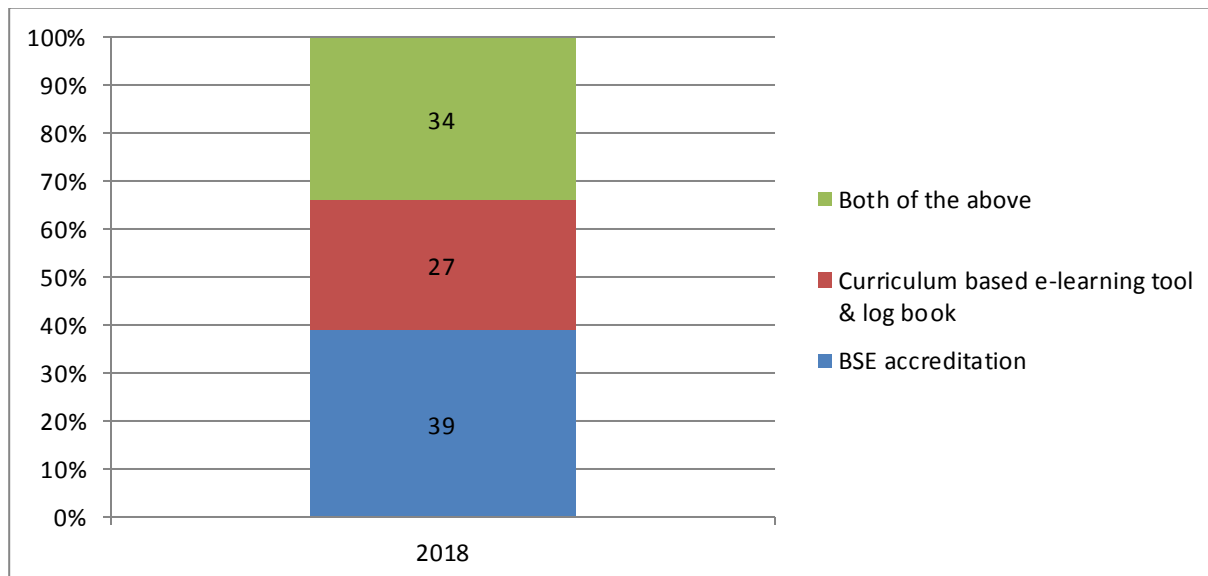
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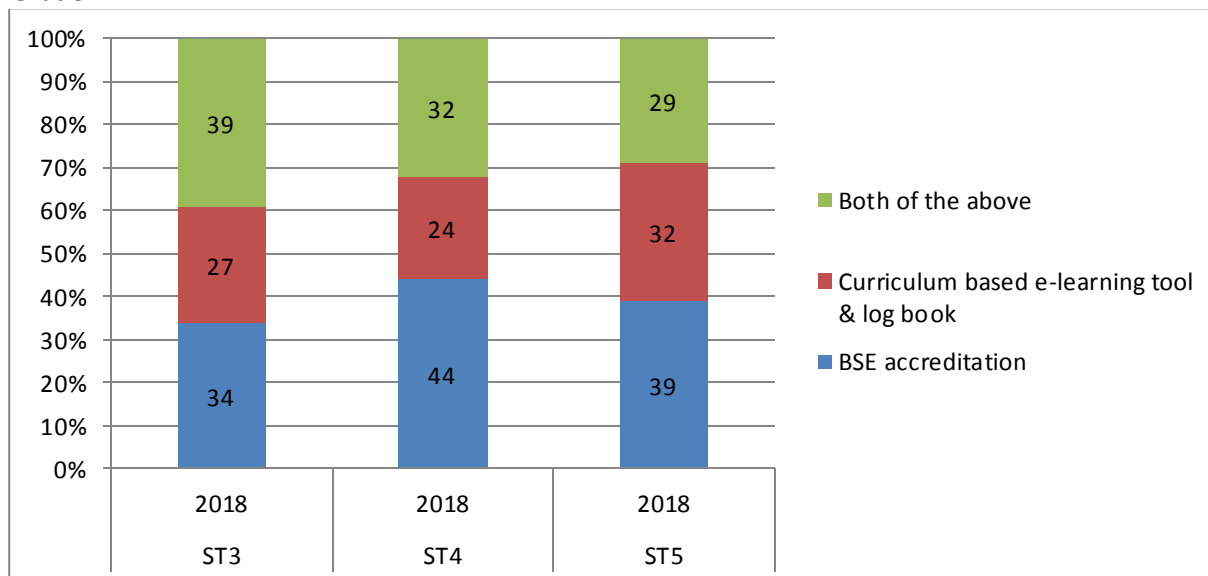
14) Which of the following are you using to complete core echocardiography training?

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

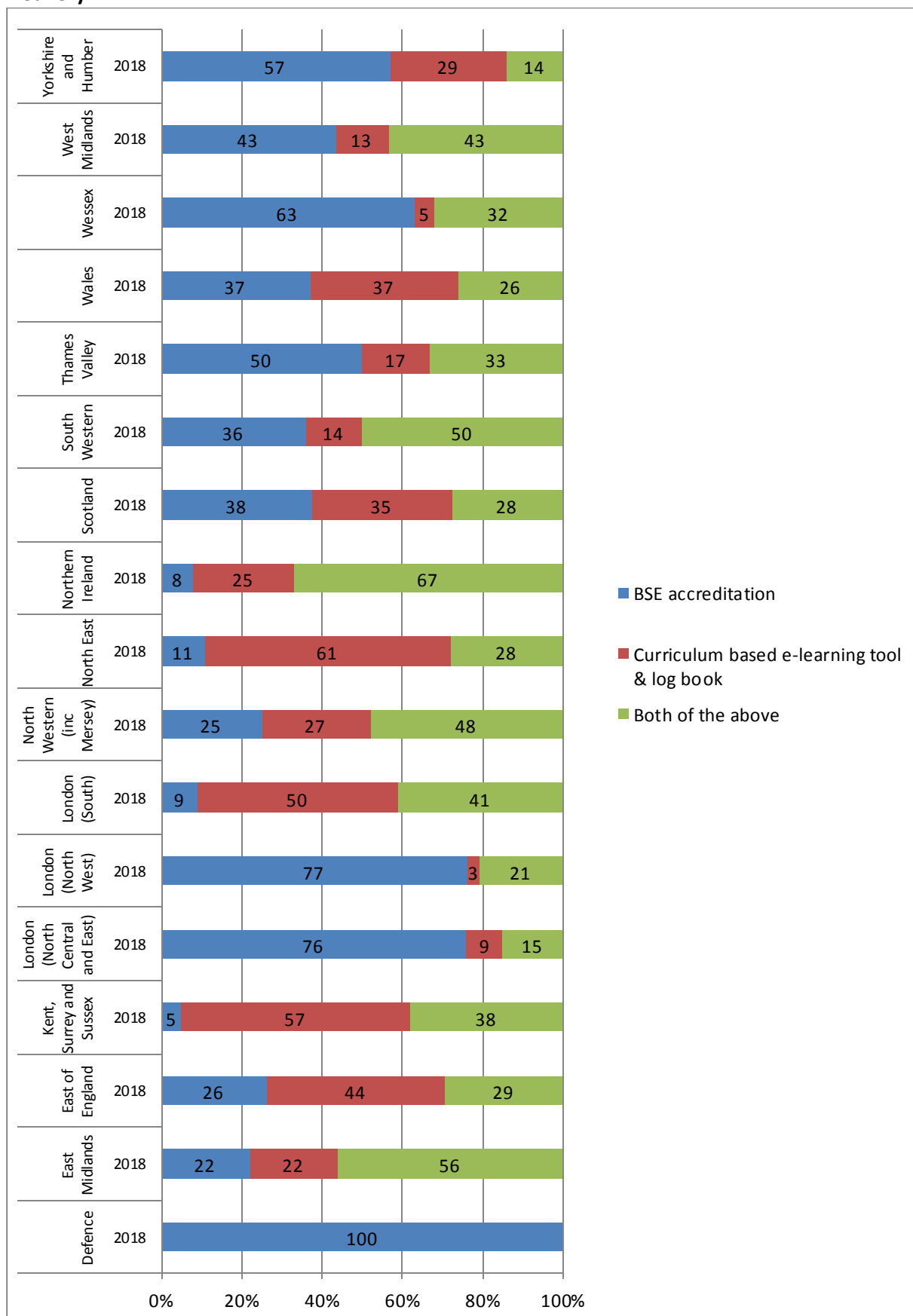
All



Grade



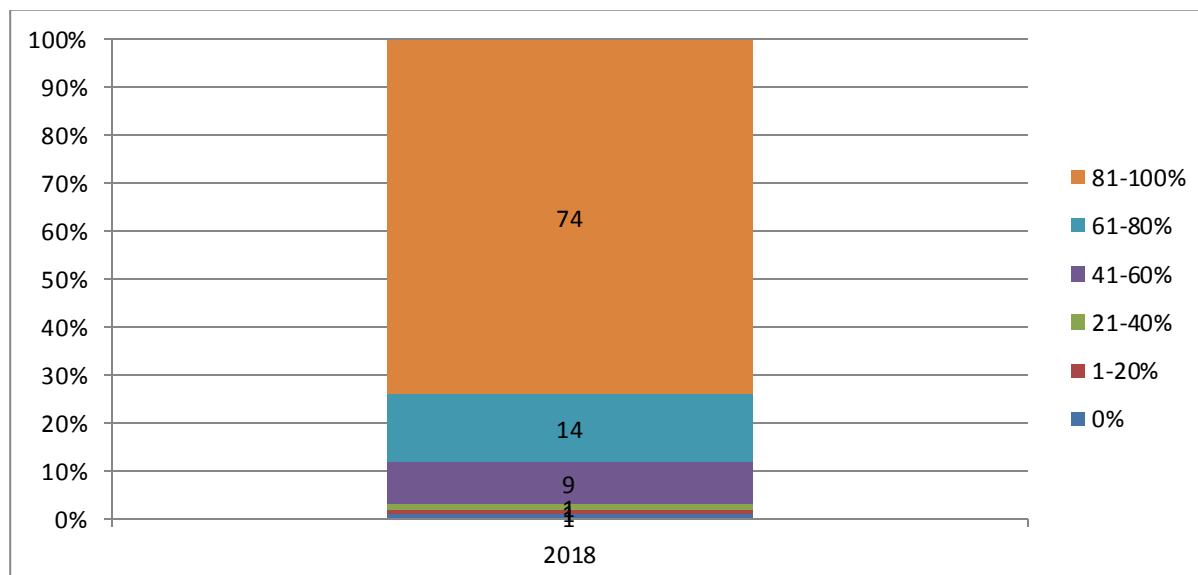
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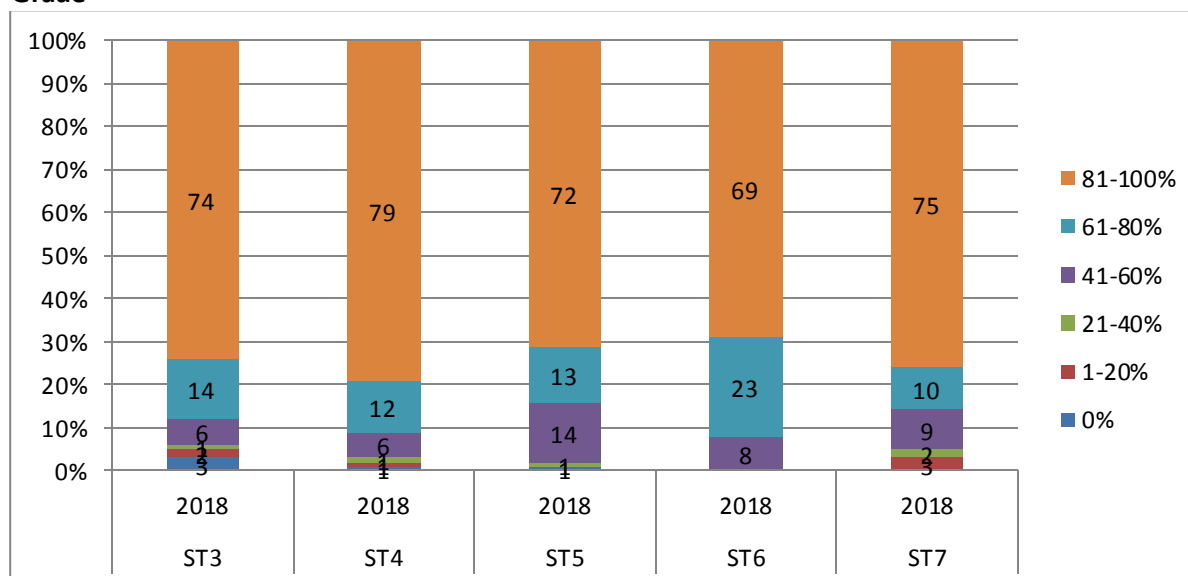
15) What proportion of your outpatient clinics have a consultant available for consultation?

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

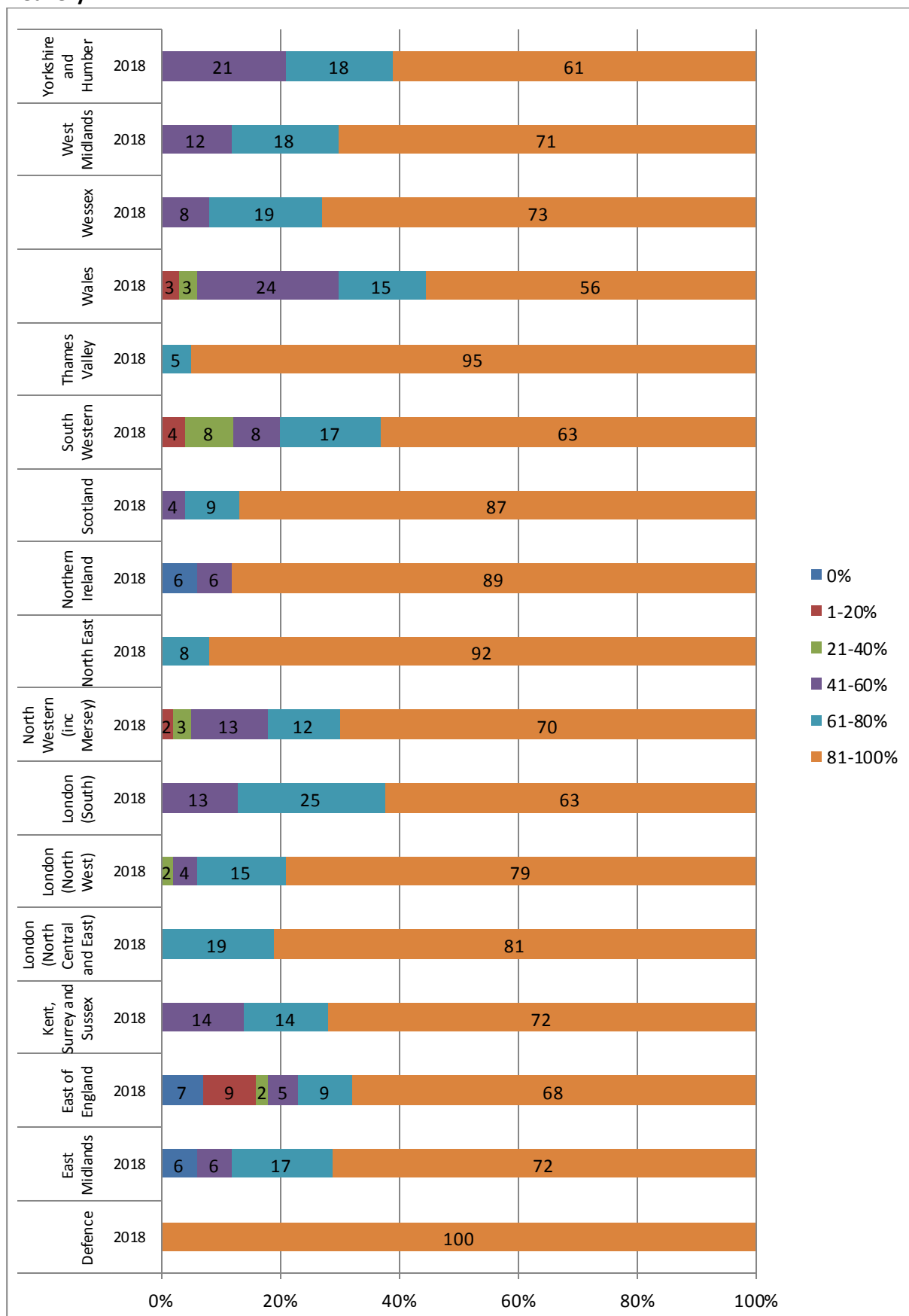
All



Grade



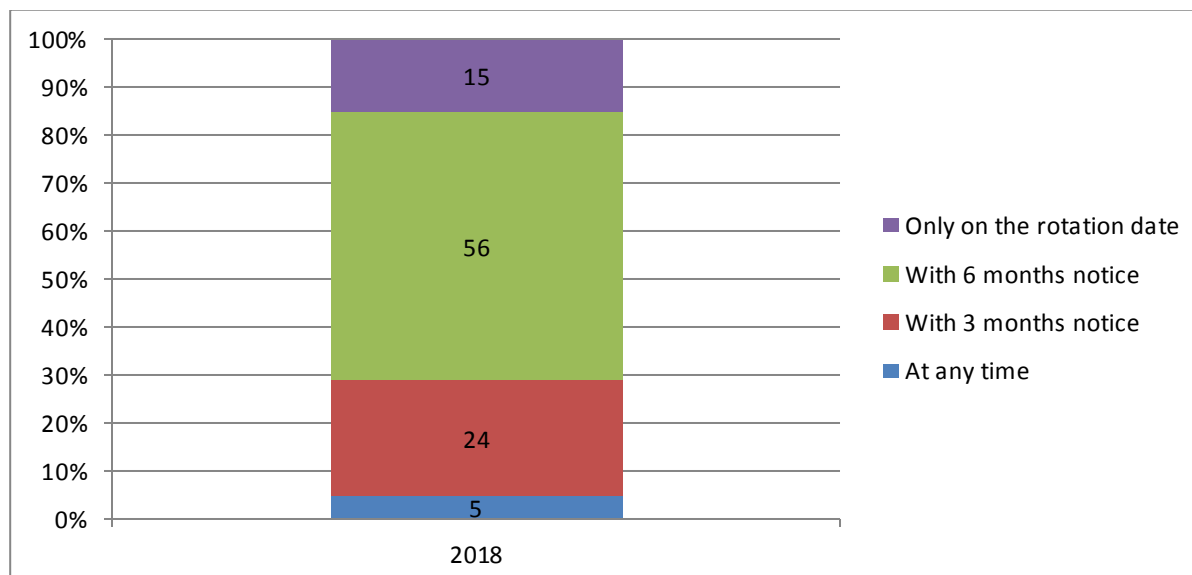
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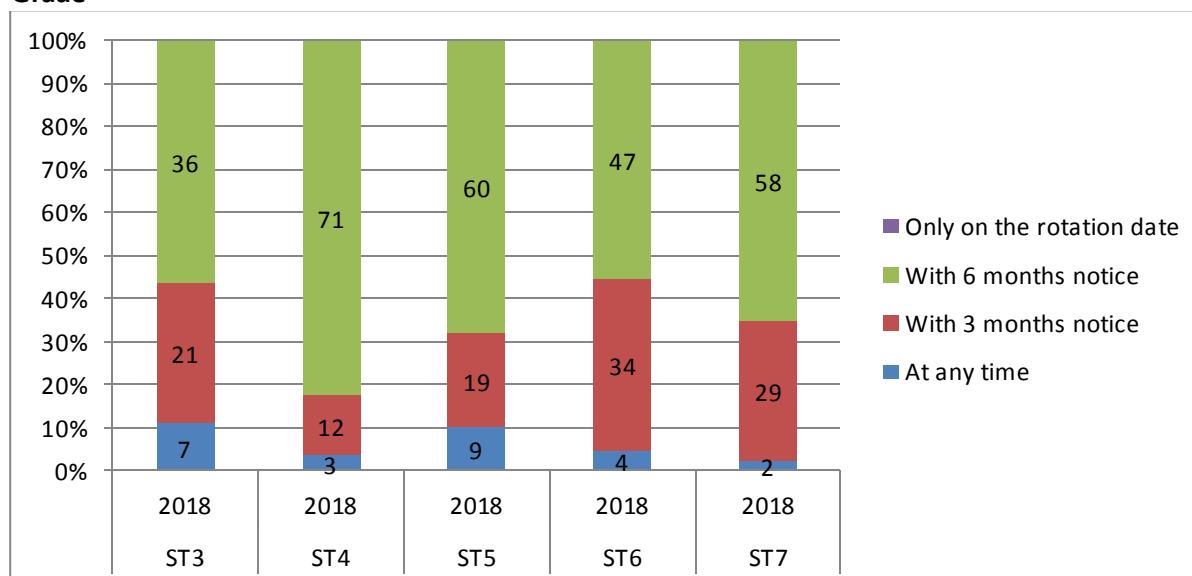
19) If you have been approved for OOPR/T/E when are you allowed to leave the programme?

(This question was presented to trainees of the following grades: ST3, ST4, ST5, ST6, ST7) 2018: n=200

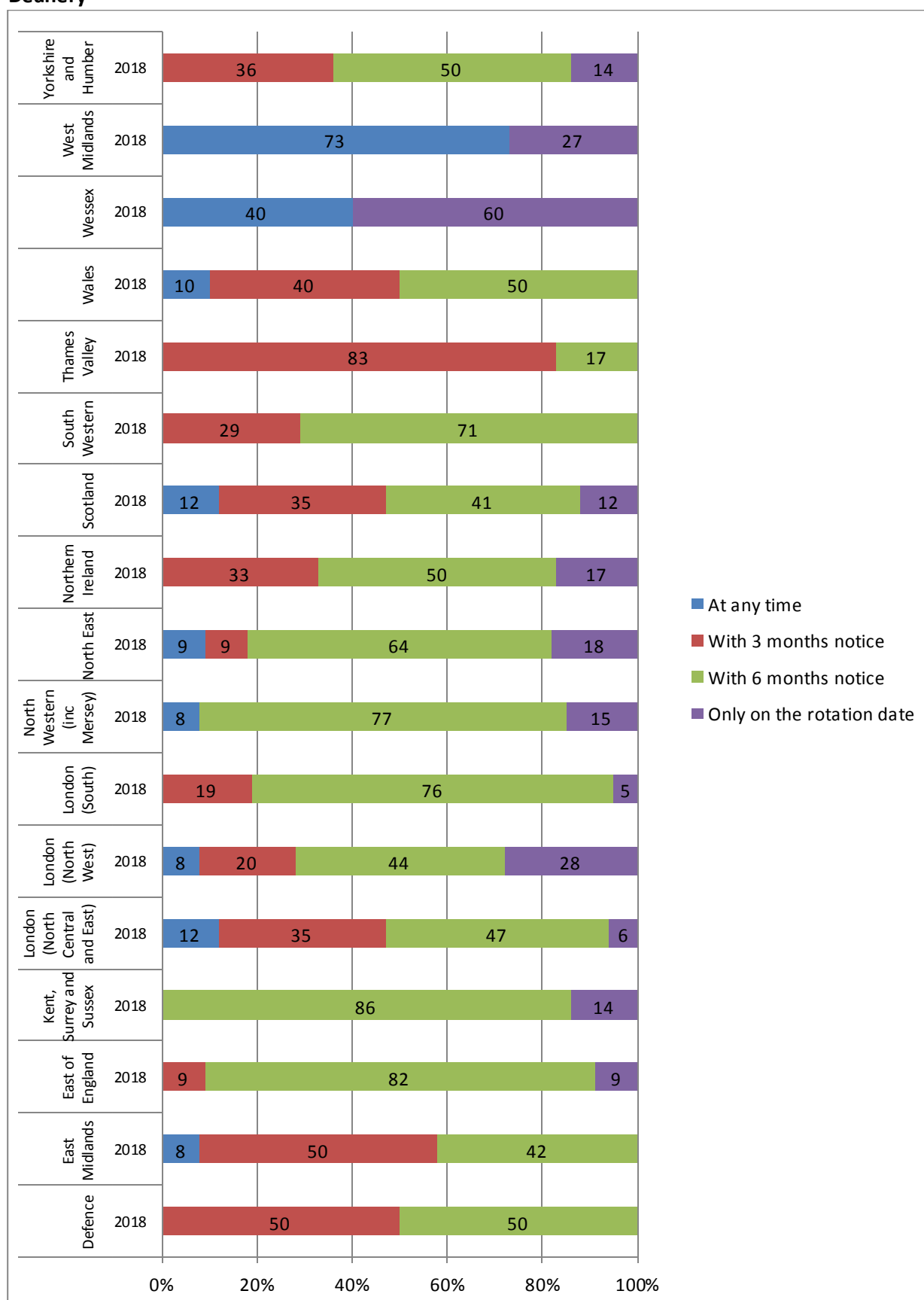
All



Grade



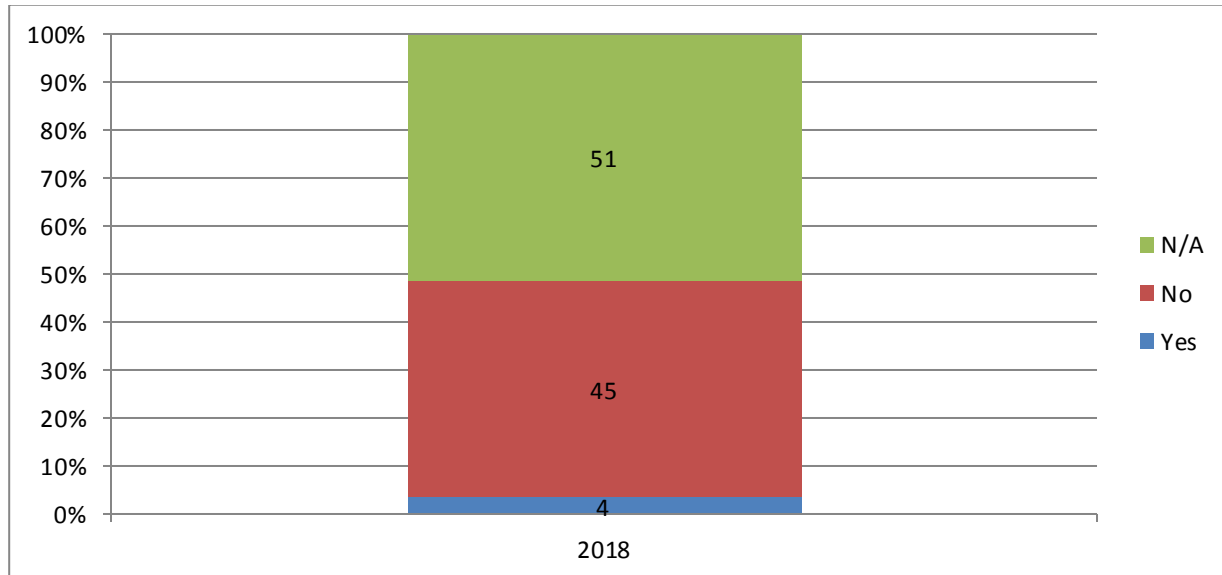
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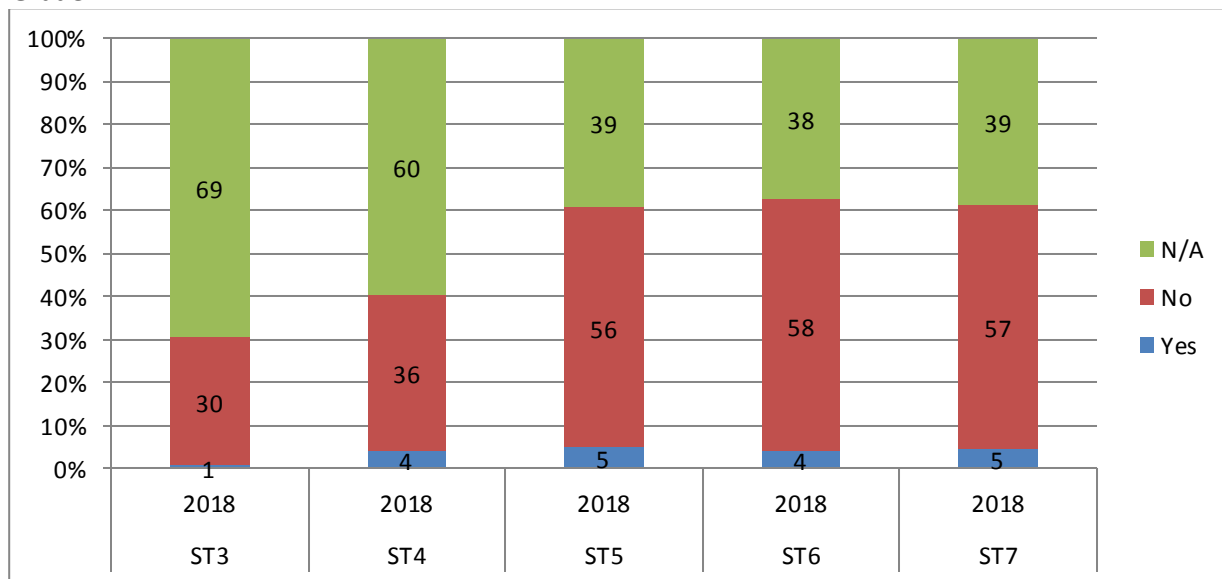
20) Have you unsuccessfully applied for OOPR/T/E in the last 12 months?

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

All



Grade



Deanery

