

# 2016 APCCMPD ANNUAL MEMBER SURVEY

The **2016** Annual Member Survey was distributed to **194** Program Directors between January 27, 2017 and February 21, 2017, with a response rate of **57.2%**.

## SECTION 1: PROGRAM CHARACTERISTICS & LEADERSHIP

### 1. What type of Fellowship Program(s) do you direct? (Choose all that apply)

Program Type	Count	% of Total
Pulmonary and Critical Care Medicine	81	77.1%
Critical Care Medicine Only	17	16.2%
Pulmonary Medicine Only	7	6.7%
<b>GRAND TOTAL</b>	<b>105</b>	<b>100.0%</b>

• 7.1% of respondents direct **both** PCCM and CCM programs (n = 98)

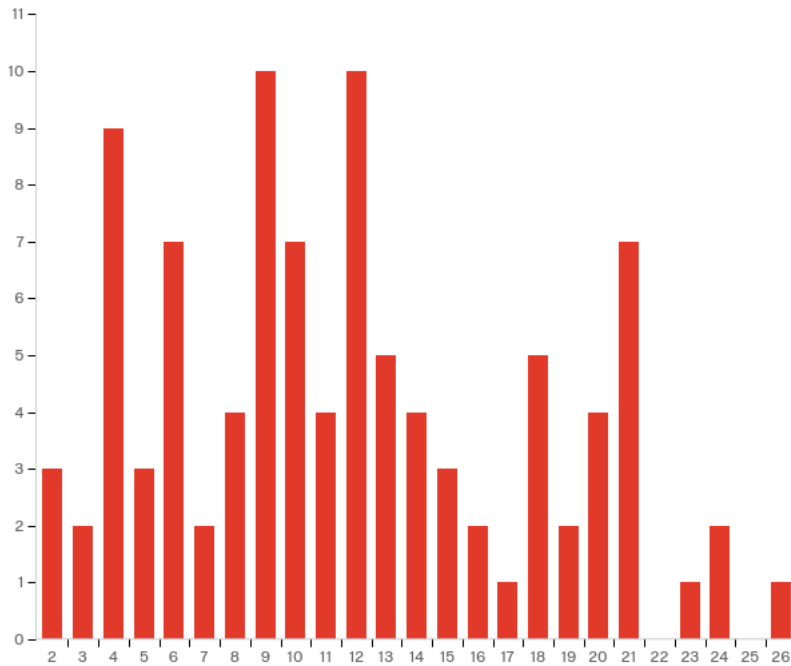
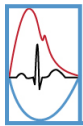
### 2. Type of Occasional Positions Offered by PCCM Fellowships (Re: Question #1)

Type of Occasional Positions	Count	% of Total
Neither, all candidates are PCCM	42	47.2%
Critical Care Medicine Only	36	40.4%
Pulmonary Medicine Only	11	12.4%
<b>GRAND TOTAL</b>	<b>89</b>	<b>100.0%</b>

• 9.9% of respondents have offered **both** Pulmonary-only and CCM-only occasional positions (n = 81)

### 3. Total Number of Fellows Currently in Program (among all years, not per year)

Total # of Fellows	Count	% of Total
2	3	3.1%
3	2	2.0%
4	9	9.2%
5	3	3.1%
6	7	7.1%
7	2	2.0%
8	4	4.1%
9	10	10.2%
10	7	7.1%
11	4	4.1%
12	10	10.2%
13	5	5.1%
14	4	4.1%
15	3	3.1%
16	2	2.0%
17	1	1.0%
18	5	5.1%
19	2	2.0%
20	4	4.1%
21	7	7.1%
23	1	1.0%
24	2	2.0%
26	1	1.0%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>



**GROUPED:**

Total # of Fellows	Count	% of Total
0-5	17	17.4%
6-10	30	30.6%
11-15	26	26.6%
16-20	14	14.3%
21-25	10	10.1%
26-30	1	1.0%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**4. Do you have an Assistant or Associate Program Director for your fellowship?**

Has Assistant/Associate Program Director	Count	% of Total
Yes	73	74.5%
No	25	25.5%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**5. What type of support do you get from your institution as a Program Director?**

Type of Institutional Support	Count	% of Total
Protected time with salary support	71	72.5%
Protected time only	12	12.2%
No support	6	6.1%
Other	9	9.2%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

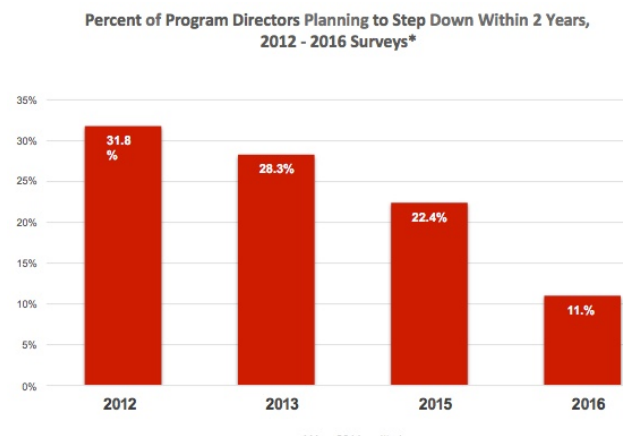
**6. Is the level of support provided adequate? (Re: Question #5)**

Level of Support Is Adequate	Count	% of Total
Yes	49	50.0%
No	49	50.0%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**7. How many months of protected research time does your program offer?**

Protected Research Time	Count	% of Total
1-3 months	25	25.5%
4-6 months	33	33.7%
7-9 months	6	6.1%
10-12 months	11	11.2%
> 12 months	23	23.5%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

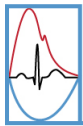
**8. Within the next 2 years do you plan to step down as Program Director?**



Plan to Step Down	Count	% of Total
Yes	11	11.2%
No	87	88.8%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

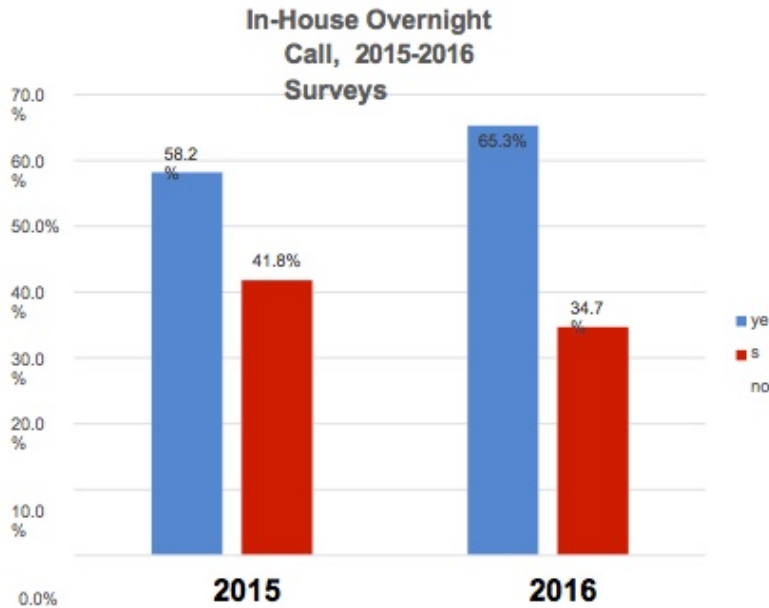
**9. What is your primary reason for doing so? (Choose one) (Re: Question #6)**

Primary Reason for Stepping Down	Count	% of Total
Another career opportunity	2	18.1%
Burden of regulations	0	0%
Clinical time demands	3	27.3%
Retirement	3	27.3%
Other	3	27.3%
<b>GRAND TOTAL</b>	<b>11</b>	<b>100.0%</b>



## SECTION 2: ICU STAFFING

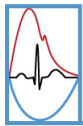
**10. Do your Fellows take in-house, overnight call at any point during their fellowship? (Other than elective moonlighting)**



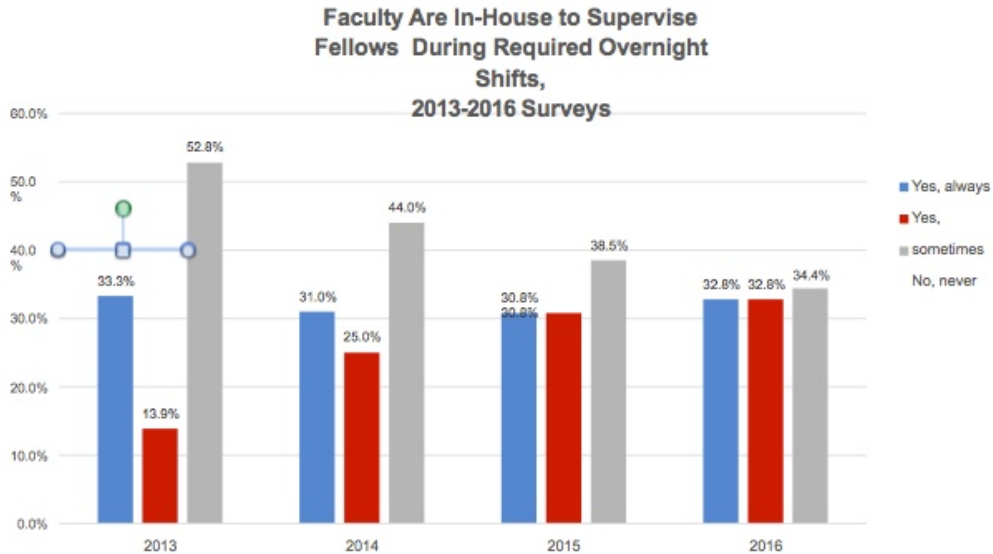
In-House, Overnight Call	Count	% of Total
Yes	64	65.3%
No	34	34.7%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**11. How many total nights of required in-house coverage, on average, do they take during their fellowship? (Re: Question #10)**

Total Nights	Count	% of Total
≤ 2 weeks	6	9.3%
Between 2 weeks and 1 month	12	18.8%
Between 1 and 2 months	16	25.0%
> 2 months	30	46.9%
<b>GRAND TOTAL</b>	<b>64</b>	<b>100.0%</b>



**12. Are faculty in-house to supervise the Fellows during these shifts?**  
(Re: Question #10)



Faculty In-House to Supervise	Count	% of Total
Yes, always	21	32.8%
Yes, sometimes	21	32.8%
No, never	22	34.4%
<b>GRAND TOTAL</b>	<b>64</b>	<b>100.0%</b>

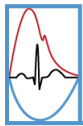
**13. Do Faculty receive additional compensation for staffing these required shifts?**

Receive Additional Compensation	Count	% of Total
Yes	17	40.5%
No	25	59.5%
<b>GRAND TOTAL</b>	<b>42</b>	<b>100.0%</b>

**14. Do Fellow(s) and/or Faculty staff the ICU at night?**

Staffing ICU at Night	Count	% of Total
Yes, present the entire month	65	66.4%
Yes, present part of the month	11	11.2%
No, not present	22	22.4%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**15. Do you have hospital staff (ie, respiratory therapist, tech, other staff) set up the travel cart and staff bronchoscopy procedures outside of the bronchoscopy suite?**



Bronchoscopy Suite Staff	Count	% of Total
Yes – 24 hours a day, 7 days a week	55	56.1%
Yes – during daytime hours, 7 days a week	11	11.2%
Yes – during weekday business hours only	20	20.4%
No – Fellows are required to bring and set up travel cart	12	12.3%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

### SECTION 3: EBUS TRAINING

**16. What percentage of your Fellows receive sufficient experience and training in the performance of EBUS to perform that procedure independently upon conclusion of fellowship?**

Percentage of Fellows with Sufficient EBUS Experience//Training	Count	% of Total
0% are competent ( <i>this is not taught in our program</i> )	13	13.3%
1-24% are competent	6	6.1%
25-49% are competent	7	7.1%
50-99% are competent	38	38.8%
100% are competent ( <i>this is a requirement of our program</i> )	34	34.7%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**17. Do you certify your Fellows as competent to perform EBUS upon graduation?**

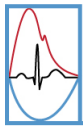
Have Certified Fellows in EBUS	Count	% of Total
Yes	70	71.4%
No	28	28.6%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**18. How do you assess Fellow competency in EBUS? (Choose all that apply for each procedure) (Re: Question #17)**

Methods to Assess EBUS Competency (by Procedure)	Count	% of Total
Global Assessment by Faculty	84	51.9%
Medical Knowledge Examination	18	11.1%
Direct Observation/Assessment Tool	60	37.0%
<b>GRAND TOTAL</b>	<b>162</b>	<b>100.0%</b>

• % of Responses, by Procedure (n = 650)

Method to Assess EBUS Competency (by Respondent)	Count	% of Total
Global Assessment by Faculty	84	85.7%
Medical Knowledge Examination	18	18.4%
Direct Observation/Assessment Tool	60	61.2%
<b>GRAND TOTAL</b>	<b>162</b>	<b>100.0%</b>



• % of Responses, by Respondent (n = 98)

**19. What percentage of the Faculty who supervise your trainees do you believe to be competent to teach and perform EBUS?**

Faculty Competency: EBUS	Count	% of Total
< 10% are competent	17	17.0%
10-24% are competent	36	37.0%
25-49% are competent	24	25.0%
> % are competent	21	21.0%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

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**SECTION 4: BEDSIDE TRACHEOSTOMY**

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**20. What percentage of your Fellows receive sufficient experience and training in the performance of bedside tracheostomy to perform that procedure independently upon conclusion of fellowship?**

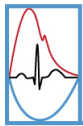
Percentage of Fellows with Sufficient Bedside Tracheostomy Experience/Training	Count	% of Total
0% are competent ( <i>this is not taught in our program</i> )	39	39.8%
1-24% are competent	26	26.5%
25-49% are competent	6	6.1%
50-99% are competent	20	20.5%
100% are competent ( <i>this is a requirement of our program</i> )	7	7.1%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**21. Do you certify your Fellows as competent to perform bedside tracheostomy upon graduation?**

Have Certified Fellows in Bedside Tracheostomy	Count	% of Total
Yes	26	26.5%
No	72	73.5%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**22. What percentage of your Fellows receive sufficient experience and training in the performance of insertion of indwelling pleural catheters (ie, PleurX catheter) to perform that procedure independently upon conclusion of fellowship?**

Percentage of Fellows with Sufficient Indwelling Pleural Catheter Insertion Experience/Training	Count	% of Total
0% are competent ( <i>this is not taught in our program</i> )	21	21.5%
1-24% are competent	17	17.3%
25-49% are competent	17	17.3%
50-99% are competent	24	24.5%
100% are competent ( <i>this is a requirement of our program</i> )	19	19.4%



<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>
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**23. Do you certify your Fellows as competent to perform insertion of indwelling pleural catheters (ie, PleurX catheter) upon graduation?**

<b>Have Certified Fellows in Indwelling Pleural Catheter Insertion</b>	<b>Count</b>	<b>% of Total</b>
Yes	42	42.9%
No	56	57.1%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**24. How do you assess Fellow competency in insertion of indwelling pleural catheters (ie, PleurX catheter)? (Choose all that apply for each procedure)**

(Re: Question #23)

<b>Methods to Assess Insertion of Indwelling Pleural Catheter Competency (by Procedure)</b>	<b>Count</b>	<b>% of Total</b>
Global Assessment by Faculty	82	56.9%
Medical Knowledge Examination	9	6.3%
Direct Observation/Assessment Tool	53	36.8%
<b>GRAND TOTAL</b>	<b>144</b>	<b>100.0%</b>

• % of Responses, by Procedure (n = 650)

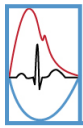
<b>Method to Assess Insertion of Indwelling Pleural Catheter Competency (by Respondent)</b>	<b>Count</b>	<b>% of Total</b>
Global Assessment by Faculty	82	83.7%
Medical Knowledge Examination	9	9.2%
Direct Observation/Assessment Tool	53	54.1%
<b>GRAND TOTAL</b>	<b>144</b>	<b>100.0%</b>

• % of Responses, by Respondent (n = 98)

**25. What percentage of the Faculty who supervise your trainees do you believe to be competent to teach and perform insertion of indwelling pleural catheters (ie, PleurX catheter)?**

<b>Faculty Competency: Insertion of Indwelling Pleural Catheters</b>	<b>Count</b>	<b>% of Total</b>
< 10% are competent	40	41.0%
10-24% are competent	23	24.0%
25-49% are competent	19	19.0%
> % are competent	16	16.0%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>





**26. What percentage of your Fellows receive sufficient experience and training in the performance of insertion of subclavian catheters to perform that procedure independently upon conclusion of fellowship?**

<b>Percentage of Fellows with Sufficient Subclavian Catheter Insertion Experience/Training</b>	<b>Count</b>	<b>% of Total</b>
0% are competent ( <i>this is not taught in our program</i> )	3	3.1%
1-24% are competent	7	7.1%
25-49% are competent	14	14.3%
50-99% are competent	32	32.7%
100% are competent ( <i>this is a requirement of our program</i> )	42	42.8%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**27. How do you assess Fellow competency in insertion of subclavian catheters?**  
(Choose all that apply for each procedure)

<b>Methods to Assess Insertion of Subclavian Catheter Competency (by Procedure)</b>	<b>Count</b>	<b>% of Total</b>
Global Assessment by Faculty	88	54.7%
Medical Knowledge Examination	10	6.2%
Direct Observation/Assessment Tool	63	39.1%
<b>GRAND TOTAL</b>	<b>161</b>	<b>100.0%</b>

• % of Responses, by Procedure (n = 650)

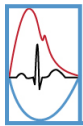
<b>Method to Assess Insertion of Subclavian Catheter Competency (by Respondent)</b>	<b>Count</b>	<b>% of Total</b>
Global Assessment by Faculty	88	89.8%
Medical Knowledge Examination	10	10.2%
Direct Observation/Assessment Tool	63	64.3%
<b>GRAND TOTAL</b>	<b>161</b>	<b>100.0%</b>

• % of Responses, by Respondent (n = 98)

**28. What percentage of the Faculty who supervise your trainees do you believe to be competent to teach and perform insertion of subclavian catheters?**

<b>Faculty Competency: Insertion of Subclavian Catheters</b>	<b>Count</b>	<b>% of Total</b>
< 10% are competent	0	0%
10-24% are competent	0	0%
25-49% are competent	0	0%
≥ % are competent	0	0%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**29. Upon graduation, Fellows are competent to perform subclavian central venous catheter placement by:**



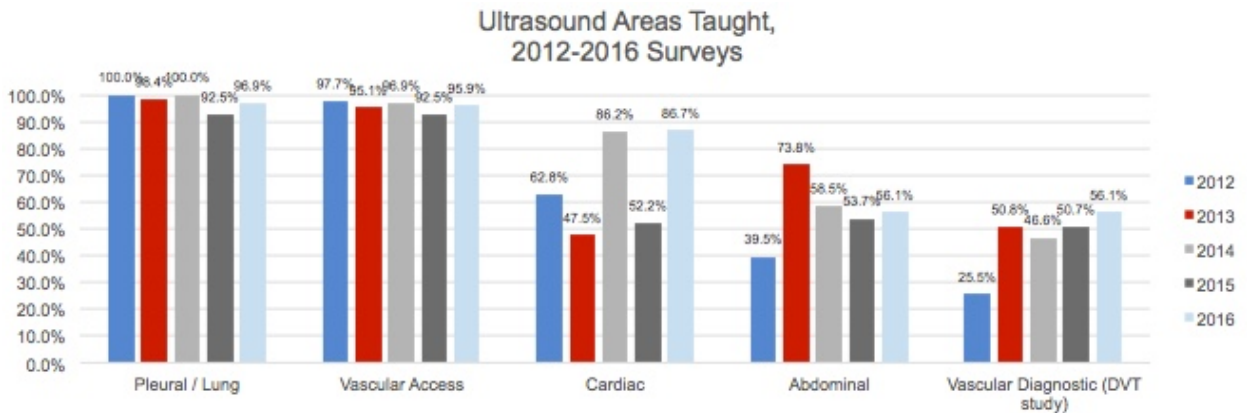
Fellow Competency (by Method)	Count	% of Total
Landmark	51	52.1%
Ultrasound Guided Placement	36	36.7%
Other	11	11.2%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

## SECTION 5: ULTRASOUND

### 30. Do you have a formal curriculum in critical care ultrasound for Fellows?

Have Formal Ultrasound Curriculum	Count	% of Total
Yes	76	77.6%
No	22	22.4%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

### 31. Which of the following areas of ultrasound use do you teach? (Choose all that apply)

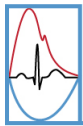


Ultrasound Areas Taught (2016)	Count	% of Total
Pleural/Lung	95	96.9%
Vascular Access	94	95.9%
Cardiac	85	86.7%
Abdominal	55	56.1%
Vascular Diagnostic (DVT study)	55	56.1%
None of the Above	2	2.0%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

• % of Responses, by Respondent (n = 98)

### 32. Do you certify your Fellows as competent to perform critical care ultrasound upon graduation?

Have Certified Fellows in Critical Care	Count	% of Total
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<b>Ultrasound</b>		
Yes	72	73.5%
No	26	26.5%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**33. How do you assess Fellow competency in Ultrasound?** (Choose all that apply for each procedure) (Re: Question #31)

<b>Methods to Assess Ultrasound Competency</b> (by Procedure)	<b>Count</b>	<b>% of Total</b>
Global Assessment by Faculty	88	48.1%
Medical Knowledge Examination	26	14.2%
Direct Observation/Assessment Tool	69	37.7%
<b>GRAND TOTAL</b>	<b>183</b>	<b>100.0%</b>

• % of Responses, by Procedure (n = 650)

<b>Method to Assess Ultrasound Competency</b> (by Respondent)	<b>Count</b>	<b>% of Total</b>
Global Assessment by Faculty	88	89.8%
Medical Knowledge Examination	26	26.5%
Direct Observation/Assessment Tool	69	70.4%
<b>GRAND TOTAL</b>	<b>183</b>	<b>100.0%</b>

• % of Responses, by Respondent (n = 98)

**34. What percentage of the Faculty who supervise your trainees do you believe to be competent to teach and perform ultrasound?**

<b>Faculty Competency: Ultrasound</b>	<b>Count</b>	<b>% of Total</b>
< 10% are competent	2	2.0%
10-24% are competent	31	32.0%
25-49% are competent	33	33.0%
≥ % are competent	32	33.0%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

• % of Responses (n = 386)

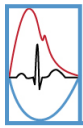
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## **SECTION 6: PULMONARY ARTERY CATHETERIZATION**

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**35. Do your Fellows insert enough pulmonary artery catheters to competently perform the procedure independently?**

<b>Fellows Competent in Independent Pulmonary Artery Catheter Procedure</b>	<b>Count</b>	<b>% of Total</b>
Yes	43	43.9%
No	55	56.1%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>



**36. Do you believe that competence to insert a pulmonary artery catheter should be a requirement of fellowship training in each of the following programs? (Choose one answer for each program)**

**A. For Pulmonary Programs**

Required to Insert for Pulmonary	Count	% of Total
Yes	23	23.5%
No	75	76.5%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**B. For PCCM/CCM Programs**

Required to Insert for PCCM/CCM	Count	% of Total
Yes	53	54.1%
No	45	45.9%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**37. Do you believe that competence to interpret and apply findings from a pulmonary artery catheter should be a requirement of fellowship training in each of the following programs? (Choose one answer for each program)**

**A. For Pulmonary Programs**

Required to Interpret and Apply for Pulmonary	Count	% of Total
Yes	83	84.7%
No	15	15.3%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

**B. For PCCM/CCM Programs**

Required to Interpret and Apply for PCCM/CCM	Count	% of Total
Yes	94	95.9%
No	4	4.1%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

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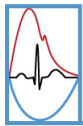
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**SECTION 7: SIMULATION EDUCATION**

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**38. Does your institution have a dedicated Simulation Center?**



<b>Dedicated Simulation Center</b>	<b>Count</b>	<b>% of Total</b>
Yes - unlimited access, with no charge to fellowship program	49	50.0%
Yes – unlimited access, but with charge to fellowship program	7	7.1%
Yes – limited access, with no charge to fellowship program	27	27.6%
Yes – limited access, but with charge to fellowship program	9	9.2%
49No	6	6.1%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

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## **SECTION 8: SLEEP EDUCATION**

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### **39. How many months of training do your Fellows get in sleep medicine?**

<b>Months of Training in Sleep Medicine</b>	<b>Count</b>	<b>% of Total</b>
0-1 month	49	50.0%
2-4 months	39	39.8%
> 4 months	1	1.0%
Other	9	9.2%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

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## **SECTION 9: FELLOWSHIP APPLICATION AND ORIENTATION**

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### **40. How do you review applicants for your fellowship program?**

<b>Methods Used to Review Fellowship Applicants</b>	<b>Count</b>	<b>% of Total</b>
Universal application form through ERAS	87	88.8%
Universal application form + institution-specific application form	6	6.1%
Institution-specific application form only	5	5.1%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>

### **41. Length of orientation? (Including boot camp activities)**

<b>Duration of New Fellow Orientation</b>	<b>Count</b>	<b>% of Total</b>
1 day	6	6.1%
2-3 days	33	33.7%
4-6 days	19	19.4%
1-2 weeks	23	23.5%
3-4 weeks	17	17.3%
<b>GRAND TOTAL</b>	<b>98</b>	<b>100.0%</b>