

Appendix 1: Survey for Fellowship Directors

Program Characteristics

1. What is your subspecialty?

- A. Adolescent Medicine
- B. Cardiology
- C. Child Abuse
- D. Critical care
- E. Developmental-behavioral
- F. Emergency Medicine
- G. Endocrinology
- H. Gastroenterology
- I. Hematology-Oncology
- J. Infectious Diseases
- K. Neonatal-perinatal medicine
- L. Nephrology
- M. Pulmonology
- N. Rheumatology
- O. Other (Please describe)

2. How many total fellows do you currently have in your program?

3. How many fellows have you graduated from your program in the last 5 years?

4. How would you describe your program setting? (Please check all that apply)

- A. Academic medical center
- B. Free standing children's hospital
- C. Community hospital
- D. Military
- E. Other (please specify)

5. In what region of the country is your program located?

- A. Northeast (ME, NH, MA, CT, VT, RI, PA, NY, NJ)
- B. Midwest (WI, MI, IL, IN, OH, MO, ND, SD, NE, KS, MN, IA)

- C. South (TX, OK, LA, AR, MS, AL, TN, KY, WV, VA, NC, SC, GA, FL, MD, DE, DC, Puerto Rico)
- D. West (ID, MT, UT, AZ, WY, CO, NM, CA, NV, OR, WA, HI, AK)

6. In the past 5 years, **approximately** what percentage of graduating fellows pursued the following initial positions after graduation?

	None	1-25%	26-50%	51-75%	76-100%
Non-academic or private practice career: 100% clinical					
Career in Industry (Pharmaceutical, Healthcare Consulting)					
Academic career: 100% clinical					
Academic career with basic/translational/clinical research as primary non- clinical component					
Academic career with QI/ safety as primary non- clinical component					
Academic career with education as primary non- clinical component					

Scholarly Activity Engagement and Work Products

7. Over the past 5 years, please report which scholarly activities you proposed to the American Board of Pediatrics (ABP) for your graduating fellows? (check all that apply):

	None	1-25%	26-50%	51-75%	76-100%	This is not acceptable to fulfill the scholarly activity requirement in my program
Basic science research						
Clinical research						

Translational research						
Health services and policy research						
Medical education research						
Quality improvement activities (excluding any requirements for participation in QI that apply to all fellows and are separate from individual scholarly activity requirements)						
Clinical care guideline development						
Bioethics						
Pursuit of an additional degree (such as an MS or MPH)						

8. In the past 5 years, **approximately** what percentage of fellows have done the following (either during or after fellowship, **based on scholarly work from fellowship**):

	None	1-25%	26-50%	51-75%	76-100%
Presented their scholarly work from fellowship at a national or international meeting					

Had a manuscript accepted in a peer-reviewed journal based on work completed during fellowship					
Had an extramural grant application submitted or accepted during fellowship					
Obtained an additional degree (such as an MSc)					
Failed to complete a scholarly project					

Resources:

9. What resources are currently available in your program to support scholarly activity? Please check all that apply.

- A. A research curriculum specific to the fellows in your division
- B. A common research curriculum for fellows across specialties in your Department
- C. Statistical support for fellow projects
- D. Funding for fellows to conduct scholarly activity
- E. Funding to present accepted work at a conference
- F. Funding to support an extra research year for interested fellow(s)
- G. A T32 training grant

10. How is time for clinical and scholarly activity allocated in each year of fellowship? (Please write number of months in the space provided).

Note: If your program structure requires a more detailed explanation, please describe it in the box marked "other."

	Clinical Activity Months Only	Scholarly months mixed in with clinical obligations	Scholarly months with reduced clinical obligations (i.e. only continuity clinics and call)	Scholarly months free of all clinical obligations	Vacation
First Year					

Second Year					
Third Year					

Other (free text):

11. Do you think this amount of time for scholarly activity is sufficient?

- a. Yes
- b. No

12. Why not (free text)?

13. How adequate are the resources overall in your program to support the scholarly activity training component of your fellowship?

- a. Extremely adequate
- b. Very adequate
- c. Somewhat adequate
- d. Not at all adequate

Barriers:

14. How much of a barrier is each of the following for fellows to complete scholarly activity during fellowship:

	Major Barrier	Minor Barrier	Not a Barrier
Competing clinical responsibilities			
Lack of adequate expertise on the fellowship SOC			
Lack of an adequate core research curriculum			

Lack of sufficient faculty mentorship within the Division			
Lack of sufficient faculty mentorship within the Department			
Lack of sufficient faculty mentorship within the Institution			
Lack of statistical support			
Lack of funding to conduct scholarly projects			

15. What resources do you currently lack that, if attained, would greatly improve the scholarly activity training experience for fellows in your program? (Free text)

Beliefs about Fellowship Training and Scholarly Activity

16. Please rate your level of agreement with the following statements. We are interested in your personal beliefs, regardless of current ACGME or ABP program requirements.

	Strongly Agree	Agree	Disagree	Strongly Disagree
Training future researchers is an important component of fellowship training				
All fellows in my subspecialty should complete a scholarly activity project as part of fellowship training				
Fellowship training in my subspecialty should be shortened to two years for those interested in pursuing clinical or clinician-educator careers				
Fellowship training in my subspecialty should be shortened to two years for all fellows in my subspecialty, regardless of career intentions				
Financial insecurity makes funding fellows				

in my program difficult				
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17. Please provide any other comments that you wish to share regarding beliefs about fellowship training and scholarly activity. (Free text)

Satisfaction

18. Please rate your level of satisfaction with the following:

	Extremely satisfied	Very Satisfied	Somewhat Satisfied	Not at all Satisfied
The quality of the scholarly activity curriculum your program provides to fellows				
The scholarly activity mentorship your program provides for fellows				
The scholarly activity opportunities your program provides for fellows				
The scholarly activity products from fellows				
The overall scholarly activity training experience provided to your fellows				

Fellowship Director Scholarship

19. In the past 3 years, how many of the following have you had:

	0	1	2-5	6-10	>10
Total publications					