# Mentorship in Gastroenterology

## **Survey Flow**

Block: Default Question Block (71 Questions) Standard: Block 1 (0 Questions)

Page Break -

#### **Start of Block: Default Question Block**

#### Q2 Dear Colleague,

The purpose of this research study is to survey gastroenterologists in order to identify factors that influence the mentor-mentee relationship. You are being asked to take part in a research study because you are a current gastroenterology fellow, or a practicing gastroenterologist.

Being in a research study is completely voluntary. You can choose not to be in this research study. You can also say yes now, and change your mind later.

If you agree to take part in this research, you will be asked to complete the following survey. Your participation in this study will take about **5 minutes to complete**. We expect that 500 people will take part in this research study. You can also choose to stop taking the survey at any time.

The possible risks to you in taking part in this research are as follows: The possible risks or discomforts of this study are minimal. Feeling uncomfortable about answering any of the questions. You can choose not to answer any question you do not wish to answer. There is a risk of potential loss of confidentiality while participating in this study. We have taken all steps to mitigate this risk.

To protect your identity as a research subject, no identifiable information will be collected, the research data will not be stored with your name, the researcher(s) will not share your information with anyone. In any publication about this research, your name or other private information will not be used.

If you have any questions about this research, please contact our research group at 212-241-5985. You may also call the Program for the Protection of Human Subjects Office at Mount Sinai Hospital at 212-824-8200.

Sincerely,

Dave Greenwald, MD, Professor of Medicine in Gastroenterology at Mount Sinai, Director of Clinical Gastroenterology and Endoscopy

Loren Rabinowitz, MD, Gastroenterology Fellow at Mount Sinai

Lauren Tal Grinspan, MD, PhD, Gastroenterology Fellow at Mount Sinai

Page Break -

Q3 What is your current age?

- < 30 (1)
- 30-34 (2)
- 35-40 (3)
- O 41-50 (4)
- O 51-60 (5)
- 0 61-70 (6)
- > 70 (7)

Q4 What is your gender?

 $\bigcirc$  Male (1)

O Female (2)

Other (i.e. non-binary, gender fluid) (3)

Q43 What is your current level of training?

- O Medical Student/Resident (1)
- First Year GI Fellow (2)
- Second Year GI Fellow (3)
- O Third Year GI Fellow (4)
- $\bigcirc$  Advanced Fellow (5)
- O Attending Physician (6)

Q7 What is your race (check all that apply)?

White (1)		White (1)
Black or African American (2)		Black or African American (2)
		Asian (3)
		American Indian and Alaska Native (4)
		Native Hawaiian and Other Pacific Islander (5)
		Other (6)
Q8 What is your ethnicity?		
	O Hispanic or Latino (1)	
	O Not Hispanic or Latino (2)	

Q74 What is the **highest level of education** attained by your **mother or primary caregiver** (if female)?

Less than high school (1)

O High school (4)

O Post-secondary school education (technical school, community college) (5)

College graduate (6)

Graduate degree (7)

O Don't know (8)

 $\bigcirc$  Not applicable (my primary caregiver was not female) (3)

\_\_\_\_\_

Q9 In what region do you currently work (or, if retired, where did you spend most of your career)?

O Northeast (Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont) (1)

 Midwest (Illinois, Iowa, Indiana, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin) (2)

South (Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, West Virginia) (3)

West (Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming) (4)

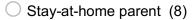
Q10 What is your current marital status?

Married (1)
Committed, long term relationship (2)
Separated (3)
Single, never married (4)
Widowed (5)
Divorced (6)

Display This Question:		
If What is your current marital status? = Married		
Or What is your current marital status? = Committed, long term relationship		

Q11 What does your partner/spouse do?

O Physician (1)



 $\bigcirc$  Other (9)

Display This Question:

If What is your current marital status? = Married Or What is your current marital status? = Committed, long term relationship

Q76 Whose career do you perceive as being prioritized?

O My career (1)

O Partner's career (4)

 $\bigcirc$  Both equally (5)

Display This Question:

If Whose career do you perceive as being prioritized? = My career

Or Whose career do you perceive as being prioritized? = Partner's career

Q77 If one of your careers is prioritized, what best explains it? Choose all that apply.

Earns more money (1)
Traditional role expectations (4)
More training and experience involved (5)
Spouse disability or illness (6)
Other (8)

Q12 Do you have children?

○ Yes (1)

O No (2)

Display This Question: If Do you have children? = Yes Q13 What was your age at the time of your first child's birth?

- (1)
- O 20-24 (2)
- O 25-29 (3)
- 30-34 (4)
- 35-39 (5)
- 040-45 (6)
- >45 (7)

Display This Question: If Do you have children? = Yes

Q14 How many children do you currently have?

0 (1)
1 (2)
2 (3)
3 (4)
4 (5)
5 or more (6)

Display This Question:

If What is your gender? = Female Or What is your gender? = Other (i.e. non-binary, gender fluid) Q15 Are you currently or were you pregnant during your GI fellowship?

○ Yes (1)	
O No (2)	
○ Not applicable	(3)

Q16 Do you have dependents (excluding spouse, partner or children not necessarily living at home), such as elderly parents or other aging relatives?

Yes (1)
 No (2)
 Display This Question:
 If Do you have children? = Yes
 Or Do you have dependents (excluding spouse, partner or children not necessarily living at home), su... = Yes

Q17 How many hours per week do you spend as primarily responsible for child and/or dependent responsibilities?

(1)
10-20 (2)
21-30 (3)

○ >30 (4)

Q19 Was any part of your pre-college or college education (i.e. high school) single gender?

○ Yes (1)

O No (2)

Display This Question:		
If What is your current level of training? = Attending Physician		
Q20 What is your current job title?		
O Instructor (2)		
O Assistant Professor (3)		
O Associate Professor (4)		
O Professor (5)		
$\bigcirc$ Voluntary faculty with an academic affiliation (6)		
O Private practice gastroenterologist/attending physician (7)		
Other (8)		
Display This Question:		

If What is your current level of training? = Attending Physician

Q78 Choose all of the following that best describe your job (can select multiple):

	Clinical track (1)	
	Research track (4)	
	None of the above (7)	
Display This Question:		

If What is your current level of training? = Attending Physician

Q79 Do you do research as part of your career?

Yes (2)No (4)

Display This Question: If Do you do research as part of your career? = Yes And What is your current level of training? = Attending Physician

### Q80 Approximately what percentage of your job is research?

- (1)
- 20% (4)
- 30% (5)
- 40% (6)
- 50% (7)
- 060% (8)
- 70% (9)
- 080% (10)
- >80% (11)

Q81 Roughly what percentage of faculty members in your division are women?

(6)		
$\bigcirc$	20-50%	(7)
$\bigcirc$	50-80%	(8)
○ >80%	(9)	

Q66 Roughly what percentage of faculty members in your division are of a racial or ethnic minority group?

O (1)
O 20-50% (7)
O 50-80% (4)
○ >80% (9)

Display This Question:

If What is your current level of training? = Attending Physician

Q28 What is your subspecialty?

$\bigcirc$	Δdult	aonoral	gastroenterology	(1)
$\smile$	Auuit	yenerai	yasiruenieruluyy	(1)

• Adult general or transplant hepatology (2)

Advanced Endoscopy (4)

O Pediatric gastroenterology (5)

O Pediatric hepatology (6)

○ IBD (7)

O Motility (8)

Other (9)

Display This Question:

If What is your current level of training? != Attending Physician

Q68 What is your intended subspecialty at the end of training?

○ Adult general gastroenterology (1)

Adult general or transplant hepatology (2)

- Advanced Endoscopy (4)
- O Pediatric gastroenterology (5)
- O Pediatric hepatology (6)

○ IBD (7)

O Motility (8)

Other (9)

Display This Question: If What is your current level of training? = Attending Physician

Q29 Approximately how many hours is your average professional work week (please include working time at home and rounding in the hospital, but exclude on-call, moonlighting and general professional reading time)?

< 20 (7)</li>
20-40 (8)
41-60 (9)
61-80 (10)
>80 (11)

Q82 Do you hold any post-baccalaureate degrees other than M.D., D.O. or equivalent (check all that apply), or have you spent time pursuing an alternate professional career prior to and/or during your medical training?

○ No (1)

O Master's (4)

O Doctorate (5)

 $\bigcirc$  Alternate career (6)

Q69 What was (or is) the **race/ethnicity** and **gender** of the **chief of gastroenterology** at the institution where you completed (or are completing, if still a fellow) your **primary gastroenterology fellowship**? Choose all that apply.

	Male (15)
	Female (16)
	Other gender (i.e. gender fluid, non-binary) (17)
	White (18)
	Black or African American (19)
	Hispanic or LatinX (20)
	Asian (21)
	American Indian and Alaska Native (22)
	Native Hawaiian and Other Pacific Islander (23)
	Other race/ethnicity not otherwise specified (24)
Display This O	

If What is your current level of training? = Attending Physician

Q25 What is the **race/ethnicity** and **gender** of the **chief of gastroenterology** (or hepatology, if different division and you are a hepatologist) at your **current institution**? Choose all that apply.

	Not applicable, I do not work in an academic setting (14)
	Male (1)
	Female (2)
	Other gender (i.e. gender fluid, non-binary) (3)
	White (6)
	Black or African American (7)
	Hispanic or LatinX (5)
	Asian (8)
	American Indian and Alaska Native (9)
	Native Hawaiian and Other Pacific Islander (10)
	Other race/ethnicity not otherwise specified (13)

Q70 What was (or is) the **race/ethnicity** and **gender** of the **director of endoscopy** at the institution where you completed (or are completing, if still a fellow) your **primary gastroenterology fellowship**? Choose all that apply.

	Male (17)
	Female (18)
	Other gender (i.e. gender fluid, non-binary) (19)
	White (20)
	Black or African American (21)
	Hispanic or LatinX (22)
	Asian (23)
	American Indian and Alaska Native (24)
	Native Hawaiian and Other Pacific Islander (25)
	Other race/ethnicity not otherwise specified (26)
Display This O	uestion.

If What is your current level of training? = Attending Physician

Q71 What is the **race/ethnicity** and **gender** of the director of endoscopy at your **current institution**? Choose all that apply.

Not applicable, I do not currently work in any endoscopy unit or do not have a director of endoscopy in my practice. (4)

Male (14)
Female (5)
Other gender (i.e. gender fluid, non-binary) (6)
White (7)
Black or African American (8)
Hispanic or LatinX (9)
Asian (10)
American Indian and Alaska Native (11)
Native Hawaiian and Other Pacific Islander (12)
Other race/ethnicity not otherwise specified (13)

Q72 What was (or is) the **race/ethnicity** and **gender** of the **chair of medicine** at the institution where you completed (or are completing, if still a fellow) your **primary gastroenterology fellowship**? Choose all that apply.

	Male (4)
	Female (5)
	Other gender (i.e. gender fluid, non-binary) (6)
	White (7)
	Black or African American (8)
	Hispanic or LatinX (9)
	Asian (10)
	American Indian and Alaska Native (11)
	Native Hawaiian and Other Pacific Islander (12)
	Other race/ethnicity not otherwise specified (13)
Display This O	uestion:

If What is your current level of training? = Attending Physician

Q73 What is the **race/ethnicity** and **gender** of the **chair of medicine** at your **current institution**? Choose all that apply.

	Not applicable, I do not work in an academic setting. (4)
	Male (6)
	Female (7)
	Other gender (i.e. gender fluid, non-binary) (8)
	White (9)
	Black or African American (10)
	Hispanic or LatinX (11)
	Asian (12)
	American Indian and Alaska Native (13)
	Native Hawaiian and Other Pacific Islander (14)
	Other race/ethnicity not otherwise specified (15)

Q84 On average, how many hours each month during the past academic year did you spend in professionally-related committee activities?

0 h (1)
< 10h (4)</li>
10-20h (5)
21-30h (6)
>40h (7)

	Chief/Chair of Division (27)
	Course director, medical school course/curriculum (17)
	Program director, internal medicine residency program (18)
	Associate program director, internal medicine residency program (19)
	Program director, gastroenterology fellowship program (20)
	Associate program director, gastroenterology fellowship program (21)
advanced	Program director, advanced gastroenterology fellowship program (IBD, , hepatology) (22)
(26)	Director of section (i.e. IBD, motility, nutrition, advanced endoscopy, hepatology)
	Committee member in national GI society (23)
	Course director for local/regional/national conference (24)
	Director of endoscopy (25)
	Director of ambulatory surgery or endoscopy center (28)
	Partner in private practice (29)
	Other leadership role (30)
	Chief Resident (31)

Q35 Are you or have you ever been in a leadership position? Choose all that apply:

Chief Fellow (32)
None of the above (33)

Q40 Please rank the following statements, from 1 (not important at all) to 5 (extremely important):

	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)
My non- professional goals are as important to me as my professional goals. (1)	0	0	0	0	0
Mentoring is important to my career growth. (2)	0	0	0	0	0
I prefer to have a mentor of the same gender. (4)	0	$\bigcirc$	$\bigcirc$	0	0
I prefer to have a mentor of the same race/ethnicity. (5)	$\bigcirc$	0	$\bigcirc$	$\bigcirc$	$\bigcirc$

Q94 Please rar	nk the following s	tatement, from 1	(not at all satisfi	ed) to 5 (extreme	ely satisfied):
	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)
I am satisfied with my current job. (1)	0	0	0	0	0
Q87 Can you ic O Yes (1) O No (4)	dentify a person o	or people, who c	urrently serve as	a mentor (or me	entors) to you?
Display This Que	estion:				
If Can you io	dentify a person or	people, who curre	ently serve as a me	entor (or mentors)	to you? = Yes
Q86 If yes, is y	our primary/most	influential mente	or male or female	e?	
$\bigcirc$ Male (	1)				
◯ Female	(4)				
O Both, I I	nave more than c	ne (5)			
Display This Que	estion:				

If Can you identify a person or people, who currently serve as a mentor (or mentors) to you? = Yes

Q88 What is the race/ethnicity of your current primary/most influential mentor (can choose multiple)?

White (1)
Black or African American (4)
Asian (5)
American Indian and Alaska Native (6)
Native Hawaiian and Other Pacific Islander (7)
Hispanic or Latino (8)
Not Hispanic or Latino (9)
Other (3)

Display This Question: If Can you identify a person or people, who currently serve as a mentor (o<u>r mentors) to you? = Yes</u>

Q89 Is your primary/most influential mentor a gastroenterologist?

○ Yes (2)

O No (4)

Display This Question:

If Can you identify a person or people, who currently serve as a mentor (or mentors) to you? = Yes

Q90 Do you have any mentors outside of the division in which you currently work?

○ Yes (1)
O No (4)
Display This Question:
If Can you identify a person or people, who currently serve as a mentor (or mentors) to you? = Yes
Q91 Do you have any mentors outside of the institution where you currently work?
○ Yes (1)
O No (4)
Display This Question:
If Can you identify a person or people, who currently serve as a mentor (or mentors) to you? = Yes
Q93 Did you have difficulty finding an appropriate mentor?
○ Yes (1)

O No (4)

Q92 How did you first connect with your primary/most influential mentor (check all that apply)?

program	Through someone in a leadership position in your medical school, residency , fellowship program or current job (if attending) (7)
	They were an attending when I was in training (8)
	They were a colleague in my department (9)
	Through a colleague or peer (6)
	Cold call/email (1)
	Professional society (4)
	Social media (5)
	I have not had a mentor (10)

### Display This Question:

If What is your current job title? = Instructor
Or What is your current job title? = Assistant Professor
Or What is your current job title? = Associate Professor
Or What is your current job title? = Voluntary faculty with an academic affiliation

## Q95 Please rank the following statement, from 1 (not likely at all) to 5 (extremely likely):

	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)
How likely are you to become a full professor? (1)	0	0	0	0	0

## Display This Question:

If Can you identify a person or people, who currently serve as a mentor (or mentors) to you? = Yes

	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)
Suggest(ed) and promote(d) my participation in professional activities that enhance visibility outside my institution. (1)	0	$\bigcirc$	$\bigcirc$	0	0
Are/were available to critique my scientific and/or clinical/teaching work. (2)	0	0	0	0	$\bigcirc$
Advise(d) me about criteria for career advancement (either job search or promotion). (3)	0	$\bigcirc$	$\bigcirc$	$\bigcirc$	0

Q98 Please rank the following statements, from 1 (rarely) to 5 (extremely frequently). There are/were mentors in my professional life who:

Display This Question:

If Can you identify a person or people, who currently serve as a mentor (or mentors) to you? = Yes

Q63 Please rank the following statements, from 1 (rarely) to 5 (extremely frequently).

	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)
Help me learn endoscopic skills (1)	0	0	0	0	0
Give me endoscopy- related advice (2)	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$

There are mentors in my professional life who:

Q99 Please indicate all activities for which your participation has been facilitated by a mentor (check all that apply):

Journal editorial boards (1)
Invitation to conferences (4)
Chairing of conferences (5)
Opportunities for research collaboration (6)
Opportunities for co-authoring, reviewing articles, editorials or book chapters (7)
None of the above (8)

	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)
A mentor helped me choose my research focus. (1)	0	0	0	0	0
A mentor helped me choose my clinical subspecialty. (2)	0	$\bigcirc$	$\bigcirc$	$\bigcirc$	0

Q100 Please rank the following statements, from 1 (strongly disagree) to 5 (strongly agree):

Q101 What factors have interfered with obtaining a mentor (either currently or in the past)? Check all that apply.

	No potential mentors identified (1)
	Not interested in a mentor (4)
	Mentor declined (5)
	Lack of responsiveness from potential mentor (6)
	Lack of perceived investment in your career (7)
	I am too busy at work (8)
	I am too busy at home (9)
	Lack of ability to identify a mentor with similar gender to mine $(10)$
(11)	Lack of ability to identify a mentor with similar racial or ethnic background to mine

Q102 How many publications do you currently have?

- O 0 (1)
- 0 1-5 (4)
- 06-10 (5)
- 11-15 (6)
- 0 16-20 (7)
- O 21-25 (8)
- O 26-30 (9)
- 31-40 (10)
- 41-50 (11)
- O 51-100 (12)
- >100 (13)

Q103 Are you now, or have you ever been a mentor in your professional career?

○ Yes (1)

O No (4)

Display This Question:

If Are you now, or have you ever been a mentor in your professional career? = Yes

Q104 How many physicians have you mentored in your career?

0 (1)
1-5 (2)
6-10 (3)
11-15 (4)
16-20 (5)
>20 (6)

#### Display This Question:

If Are you now, or have you ever been a mentor in your professional career? = Yes

Q105 Approximately what percentage of your past and present mentees are/were women?

- 0 (3)
- 1-10% (1)
- 11-20% (4)
- O 21-30% (8)
- 31-40% (5)
- 41-50% (6)
- 51-60% (7)
- 061-70% (9)
- 71-80% (10)
- 0 81-90% (11)
- O 91-100% (12)

Display This Question:

If Are you now, or have you ever been a mentor in your professional career? = Yes

Q68 Approximately what percentage of your past and present mentees are/were members of an ethnic or racial minority group?

- 0% (1)
- 1-10% (7)
- 11-20% (8)
- O 21-30% (9)
- 31-40% (10)
- 41-50% (11)
- 51-60% (12)
- 061-70% (13)
- 71-80% (14)
- 0 81-90% (15)
- O 91-100% (16)

Display This Question:

If Are you now, or have you ever been a mentor in your professional career? = Yes

Q106 What is the average number of years that you have been worked with each your mentees?

0 (3)
1-5 (1)
6-10 (4)
11-15 (5)
16-20 (6)

○ >20 (7)

## Display This Question:

If Are you now, or have you ever been a mentor in your professional career? = Yes

Q107 Overall, how effective a mentor do you consider yourself, from 1 (not effective) to 5 (extremely effective)?

1 (6)2 (7)

- 0 3 (8)
- 04 (9)
- 0 5 (10)

Display This Question:

If Are you now, or have you ever been a mentor in your professional career? = Yes

Q110 How comfortable do you feel asking or advising **male** mentees about work/life balance (including family planning) from 1 (extremely uncomfortable) to 5 (very comfortable)?

01	l (16)	
02	2 (17)	
03	3 (18)	
$\bigcirc 4$	l (19)	
05	5 (20)	

Display This Question:
If Are you now, or have you ever been a mentor in your professional career? = Yes

Q80 How comfortable do you feel asking or advising **female** mentees about work/life balance (including family planning) from 1 (extremely uncomfortable) to 5 (very comfortable)?

1 (1)
2 (2)
3 (3)
4 (4)
5 (5)

Display This Question:
If Are you now, or have you ever been a mentor in your professional career? = Yes

Q108 Do you feel or have you ever felt pressure to serve/participate as a mentor because of your gender?

Yes (1)No (4)

Display This Question: If Are you now, or have you ever been a mentor in your professional career? = Yes
Q69 Do you feel or have you ever felt pressure to serve/participate as a mentor because of your race or ethnicity?
○ Yes (1)
O No (2)
Display This Question: If Are you now, or have you ever been a mentor in your professional career? = Yes
Q81 Have you ever experienced burn out or felt stretched too thin as a result of your mentoring responsibilities?
○ Yes (1)
O No (2)

 $\bigcirc$  I'm not sure (4)

Display This Question:

If Are you now, or have you ever been a mentor in your professional career? = Yes

Q74 Please select the statement that you feel best describes your experience as a mentor during Covid-19:

O Covid-19 has positively impacted my ability to mentor. (1)

O Covid-19 has had no impact on my ability to mentor. (2)

O Covid-19 has negatively impacted my ability to mentor. (4)

Display	This	Ques	tion:
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If Please select the statement that you feel best describes your experience as a mentor during Covid... = Covid-19 has positively impacted my ability to mentor.

Q76 To what do you attribute this positive impact? Check all that apply.

I have had more time to spend with my mentee(s). (1)
I have had fewer clinical responsibilities. (4)
I have had fewer research-related responsibilities. (5)
I have had fewer administrative responsibilities. (6)
I have had fewer child care responsibilities. (7)

Display This Question:	
If Please select the statement that you feel best describes your experience as a mentor during Covid = Covid-19 has negatively impacted my ability to mentor.	

Q77 To what do you attribute this negative impact? Check all that apply.

	I have had less time to spend with mentees. (4)
	I have had more clinical responsibilities. (5)
	I have had more research-related responsibilities. (6)
	I have had more administrative responsibilities. (7)
	I have had more child care responsibilities. (8)

Q75 Please select the statement that you feel best describes your experience as a mentee during Covid-19:

$\bigcirc$ Covid-19 has positively impacted my ability to be mentored. (1)
$\bigcirc$ Covid-19 has had no impact on my ability to be mentored. (4)
$\bigcirc$ Covid-19 has negatively impacted my ability to be mentored. (5)
$\bigcirc$ Not applicable, I do not currently have a mentor. (6)
Display This Question:
If Please select the statement that you feel best describes your experience as a mentee during Covid = Covid-19 has positively impacted my ability to be mentored.

Q78 To what do you attribute this positive impact? Check all that apply.

I have had more time to spend with my mentor(s). (1)
I have had fewer clinical responsibilities. (4)
I have had fewer research-related responsibilities. (5)
I have had fewer administrative responsibilities. (6)
I have had fewer child care responsibilities. (7)

#### Display This Question:

If Please select the statement that you feel best describes your experience as a mentee during Covid... = Covid-19 has negatively impacted my ability to be mentored.

I have had less time to spend with my mentor(s). (1)
I have had more clinical responsibilities. (4)
I have had more research-related responsibilities. (5)
I have had more administrative responsibilities. (6)
I have had more child care responsibilities. (7)

Q79 To what do you attribute this negative impact? Check all that apply.

End of Block: Default Question Block

Start of Block: Block 1