

Index C. Data by Surgical/Non-surgical specialty

Note: N=263 for Surgical Specialties and N = 411 for nonsurgical specialties. Surgical specialties included Cardiac surgery, General surgery, Neurological Surgery, Obstetrics & Gynecology, Ophthalmology, Oral and maxillofacial surgery, Orthopedic surgery, Other surgical subspecialty, Otolaryngology, Plastic surgery, Urology

Surgical versus non-surgical specialties

We further stratified responses by surgical and non-surgical specialties (see **Index B**). For data stratifications, it is important to note that sample sizes were smaller which may limit ability to draw conclusions, but some general themes were observed (n=263 for surgical specialties, n=411 for non-surgical specialties). Demographic distribution was similar between the two groups, with the majority of respondents being female, Caucasian, and partnered. Slightly more non-surgical respondents reported being pregnant or being parents during training (22.9% vs 19.8%, 25.3% vs 21.7% respectively). A much higher percentage of surgical respondents reported delaying childbearing due to training (60.8% vs 29.2%). The percentage of respondents who reported experiencing infertility, RPL, or interested in oocyte/embryo cryopreservation was similar between both groups. Surgical respondents were more likely to pursue IVF and less likely to pursue IUI or oral medications. A higher number of surgical trainees reported going to a consult or undergoing IVF for the purpose of fertility preservation. Interestingly, surgical and non-surgical respondents had similar response distributions in terms of experiencing stigma or support from colleagues and/or administrators, as well as schedule flexibility to go through treatment. However, a higher percentage of surgical respondents rated time and flexibility as the largest barrier to pursuing fertility treatment in training (50.0% vs 35.8%), while non-surgical respondents were more likely to cite financial reasons as the cause of not pursuing fertility treatment.

Surgical specialty data (N=263)

Table 1. Demographics		N	Percentage
Specialty			
	Cardiac Surgery	3	1.1%
	Family planning	6	2.3%
	General surgery	17	6.5%
	Gynecologic oncology	1	0.4%
	Maternal fetal medicine	8	3.0%
	Neurological surgery	1	0.4%
	Obstetrics and Gynecology	157	59.7%
	Ophthalmology	9	3.4%
	Oral and Maxillofacial Surgery	2	0.8%
	Orthopedic surgery	13	4.9%
	Other surgical subspecialty	8	3.0%
	Otolaryngology	11	4.2%
	Plastic surgery	10	3.8%
	Reproductive endocrinology and infertility	4	1.5%
	Urogynecology and reconstructive pelvic surgery	1	0.4%
	Urology	12	4.6%
Year of training			
	PGY1	37	14.1%
	PGY2	55	20.9%
	PGY3	55	20.9%
	PGY4	43	16.3%
	PGY5	19	7.2%
	PGY6	15	5.7%
	PGY7	9	3.4%
	PGY 8 or above	7	2.7%
	Not answered/other	23	8.7%
Resident/Fellow			
	Fellow	55	20.9%
	Resident	206	78.3%
	Not answered	2	0.8%
Sex			
	Female	214	81.4%
	Male	44	16.7%
	Transgender/other	5	1.9%
	Not answered	0	0.0%
Race/ethnicity			
	Caucasian	178	67.7%
	Black/African-American	6	2.3%
	Latino/Hispanic	9	3.4%
	Asian/Pacific Islander	48	18.3%
	Native American	0	0.0%

Infertility and fertility preservation among US residents and fellows

2 or more races	14	5.3%
Other	2	0.8%
Not answered	6	2.3%
Sexual orientation		
Heterosexual	237	90.1%
Homosexual	9	3.4%
Bisexual	8	3.0%
Other	4	1.5%
Not answered	5	1.9%
Marital status		
Married	159	60.5%
Partnered, not married	63	24.0%
Single	31	11.8%
Divorced	2	0.8%
Other	3	1.1%
Not answered	5	1.9%
Combined annual household income		
<40K	1	0.4%
40-60K	44	16.7%
61-80K	52	19.8%
81-100K	36	13.7%
100-200K	90	34.2%
>200K	35	13.3%
Not answered	5	1.9%
Geographic location		
West Coast	101	38.4%
Southwest	11	4.2%
Midwest	42	16.0%
South and southeast	24	9.1%
East Coast	80	30.4%
Not answered	5	1.9%
Live in a state where fertility coverage by insurance is mandated*		
Yes	38	14.4%
No	174	66.2%
Not answered	51	19.4%

**As of 2018, these states are Arkansas, Connecticut, Hawaii, Illinois, Louisiana, Maryland, Massachusetts, Montana, New Jersey, New York, Ohio, Rhode Island, and West Virginia*

Table 2. Reproductive characteristics	N	Percentage
Current Partner		
Yes	234	89.0%
No	18	6.8%
Unsure	0	0.0%
Not answered	11	4.2%

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Frequency of intercourse		
2-5 times per week	57	21.7%
< 2 times per week but >3 times a month	119	45.2%
<3 times a month	63	24.0%
No intercourse	12	4.6%
Not answered	12	4.6%
Contraception method (select all that apply)		
No contraception	54	20.5%
Cycle awareness / rhythm method	5	1.9%
OCPs	34	12.9%
Patch or ring	9	3.4%
IUD	117	44.5%
Implanon/Nexplanon	9	3.4%
Tubal ligation	0	0.0%
Barrier	31	11.8%
Vasectomy	1	0.4%
Withdrawal	11	4.2%
Other	8	3.0%
Not answered	14	5.3%
Currently trying to conceive		
Have not been trying	211	80.2%
Trying <1 year	25	9.5%
Trying 1-3 years	14	5.3%
Trying >3 years	0	0.0%
Not answered	13	4.9%
Have you or your partner been or are currently pregnant during training?		
Yes	52	19.8%
No	200	76.0%
Not answered	11	4.2%
Do you have a child or are you currently pregnant during training?		
Yes	57	21.7%
No	194	73.8%
Not answered	12	4.6%
How long did it take to become pregnant? Select all that apply (if multiple pregnancies)		
<6 months	38	14.4%
6-12 months	12	4.6%
1-2 years	6	2.3%
>2 years	0	0.0%
Other	5	1.9%
Not answered or not applicable	206	78.3%
Spontaneous pregnancy? Select all that apply (if multiple pregnancies)		
Yes	52	19.8%
No - oral medications	3	1.1%
No - IUI	0	0.0%
No - IVF	4	1.5%
No - surrogate	1	0.4%

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No - other	1	0.4%
Not answered or not applicable	206	78.3%
Outcome of pregnanc(ies) in training. Select all that apply		
Live born - preterm <37 weeks	4	1.5%
Live born - full term 37+ weeks	29	11.0%
Currently pregnant	14	5.3%
Miscarriage or loss <20 wks	13	4.9%
Intrauterine demise or loss >20 wks	0	0.0%
Termination	1	0.4%
Neonatal demise	0	0.0%
Other	3	1.1%
Not answered or not applicable	213	81.0%
Have you delayed your childbearing plans due to residency/fellowship training?		
Yes	160	60.8%
No	81	30.8%
Unsure	9	3.4%
Not answered	13	4.9%
Have you or your partner done any tests for the specific purpose of assessing ovarian reserve or fertility? Select all that apply.		
Lab tests (i.e. AMH, FSH, estradiol)	35	13.3%
Ultrasound	29	11.0%
Semen analysis	19	7.2%
None	205	77.9%
Other	2	0.8%
Not answered or not applicable	14	5.3%
Have you or your partner considered oocyte or embryo cryopreservation for fertility preservation?		
Yes	83	31.6%
No	160	60.8%
Never heard of thought of it	3	1.1%
Other	5	1.9%
Not answered or not applicable	12	4.6%
Experienced infertility or RPL?* Select all that apply.		
Yes – infertility	18	6.8%
Yes – recurrent pregnancy loss	2	0.8%
No	182	69.2%
Don't know	21	8.0%
Not applicable	45	17.1%
Not answered	12	4.6%
Experienced infertility or RPL during or prior to training? Select all that apply		
Both in training and prior to training	5	1.9%
During training	11	4.2%
Prior to training	3	1.1%
Not answered or not applicable	244	92.8%

*Infertility = inability to conceive for 12 months under age 35 or 6 months 35 or older, RPL = 2 or more miscarriages

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Table 3. Infertility medical treatment*	N	Percentage	Percentage** (excluding not answered or not applicable)
Did you and/or your partner go for consultation at a fertility center?			
Yes	16	39.0%	59.3%
No	11	26.8%	40.7%
Other	0	0.0%	0.0%
Not answered or not applicable	14	34.1%	
What was the cause of infertility? Select all that apply.			
Diminished ovarian reserve	2	4.9%	10.0%
Endometriosis	0	0.0%	0.0%
Male factor	5	12.2%	25.0%
Ovulatory dysfunction including PCOS	3	7.3%	15.0%
Recurrent pregnancy loss	1	2.4%	5.0%
Tubal	0	0.0%	0.0%
Uterine	0	0.0%	0.0%
Unexplained	9	22.0%	45.0%
Other	3	7.3%	15.0%
Not answered or not applicable	21	51.2%	
If you did have not yet had a fertility consultation, what is the most reason? Select all that apply.			
Don't think I need it yet	2	4.9%	22.2%
Don't have time	4	9.8%	44.4%
Cannot afford	1	2.4%	11.1%
Hoping I won't need it	3	7.3%	33.3%
Other	1	2.4%	11.1%
Not answered or not applicable	32	78.0%	
Have you or your partner completed or are currently preparing for a stimulation cycle? Select all that apply.			
Yes – IVF for infertility/RPL	6	14.6%	37.5%
Yes – IVF for oocyte cryopreservation	1	2.4%	6.3%
Yes – IVF for embryo cryopreservation	1	2.4%	6.3%
Yes – IUI	2	4.9%	12.5%
Yes – oral medications	1	2.4%	6.3%
No	5	12.2%	31.3%
Not answered or not applicable	25	61.0%	
[If no to above] Why did you decide not to pursue fertility treatment after consultation? Select all that apply.			
Financial reasons	0	0.0%	0.0%
Lack of insurance	0	0.0%	0.0%
Lack of time/flexibility	1	2.4%	25.0%
Not interested at this time	0	0.0%	0.0%
Other	3	7.3%	75.0%
Not answered or not applicable	37	90.2%	
Where did you or your partner receive infertility or fertility preservation treatment? Select all that apply.			
University clinic	6	14.6%	54.5%

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Private clinic	4	9.8%	36.4%
Same hospital I work at	4	9.8%	36.4%
Other	0	0.0%	0.0%
Not answered or not applicable	30	73.2%	
Number of IVF cycles completed			
Currently planning or in process	2	4.9%	25.0%
1	5	12.2%	62.5%
2	1	2.4%	12.5%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5 or greater	0	0.0%	0.0%
Not answered or not applicable	33	80.5%	
Number of IUI cycles completed			
Currently planning or in process	0	0.0%	0.0%
1	0	0.0%	0.0%
2	0	0.0%	0.0%
3	2	4.9%	100.0%
4	0	0.0%	0.0%
5 or greater	0	0.0%	0.0%
Not answered or not applicable	39	95.1%	
What was the outcome of your fertility treatment? Select all that apply			
Pregnant	3	7.3%	30.0%
Not pregnant	4	9.8%	40.0%
Froze oocytes	0	0.0%	0.0%
Froze embryos	4	9.8%	40.0%
Cycle canceled	0	0.0%	0.0%
Currently in cycle	3	7.3%	30.0%
Other	0	0.0%	0.0%
Not answered or not applicable	31	75.6%	
What was your satisfaction with the process of IVF for infertility? [1=not satisfied at all, 5=extremely satisfied]			
Average (Stdev)	4.0 (1.2)		
What was your satisfaction with the numbers of eggs or embryos that you were able to cryopreserve or retrieve (per IVF cycle)?			
Average (Stdev)	4.0 (1.7)		
What was your satisfaction with the process of IUI for infertility? [1=not satisfied at all, 5=extremely satisfied]			
Average (Stdev)	3.5 (2.1)		
Are/were you able to afford the infertility treatment you need(ed)? Select all that apply.			
No - unable to afford	0	0.0%	0.0%
Yes, my salary was sufficient to support the costs	3	7.3%	30.0%
My partner's salary helped to support the costs	2	4.9%	20.0%
My parents/friends helped to support the costs	2	4.9%	20.0%
My or partner's insurance helped to support the costs	6	14.6%	60.0%

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Other	0	0.0%	0.0%
Not answered or not applicable	31	75.6%	
What have been your out of pocket costs to date for infertility?			
<\$1000	0	0.0%	N/A
\$1000-<\$5000	0	0.0%	N/A
\$5000-<\$10,0000	0	0.0%	N/A
\$10,000-<\$20,000	0	0.0%	N/A
>\$20,000	0	0.0%	N/A
Not answered or not applicable	41	100.0%	
Did you get any discounts at the facility as a courtesy for being a resident or fellow?			
Yes	0	0.0%	N/A
No	0	0.0%	N/A
Don't know	0	0.0%	N/A
Not answered or not applicable	41	100.0%	
Did you have insurance coverage for IVF for infertility?			
Yes	3	7.3%	60.0%
Partial	0	0.0%	0.0%
No	2	4.9%	40.0%
Not answered or not applicable	36	87.8%	
Did you have insurance coverage for IUI?			
Yes	1	2.4%	50.0%
Partial	1	2.4%	50.0%
No	0	0.0%	0.0%
Not answered or not applicable	39	95.1%	

* Respondents who answered yes or don't know to "experienced infertility or RPL in training,"
N = 41

**Excluding not answered or not applicable. Questions in this section were displayed to all respondents who had infertility or RPL during training. All questions were optional.

Table 4. Fertility preservation*	N	Percentage	Percentage** (excluding not answered or not applicable)
Did you and/or your partner go for consultation at a fertility center?			
Yes	21	23.9%	29.6%
No	49	55.7%	69.0%
Other	1	1.1%	1.4%
Not answered or not applicable	17	19.3%	
[[If no to first question] Why did you decide not to pursue a consultation for oocyte or embryo cryopreservation despite interest? Select all that apply.			
Financial reasons	24	27.3%	52.2%
Lack of insurance	6	6.8%	13.0%
No current partner	3	3.4%	6.5%
Lack of time/flexibility	18	20.5%	39.1%
Not interested at this time	18	20.5%	39.1%
Other	4	4.5%	8.7%
Not answered or not applicable	42	47.7%	

Infertility and fertility preservation among US residents and fellows

Have you or your partner completed or are currently preparing for a stimulation cycle? Select all that apply.			
Yes – IVF for infertility/RPL	4	4.5%	18.2%
Yes – IVF for oocyte cryopreservation	9	10.2%	40.9%
Yes – IVF for embryo cryopreservation	2	2.3%	9.1%
Yes – IUI	0	0.0%	0.0%
Yes – oral medications	2	2.3%	9.1%
No	6	6.8%	27.3%
Not answered or not applicable	66	75.0%	
[If no to above] Why did you decide not to pursue oocyte or embryo cryopreservation after consultation? Select all that apply.			
Financial reasons	2	2.3%	40.0%
Lack of insurance	0	0.0%	0.0%
No current partner	0	0.0%	0.0%
Lack of time/flexibility	4	4.5%	80.0%
Not interested at this time	1	1.1%	20.0%
Other	0	0.0%	0.0%
Not answered or not applicable	83	94.3%	
Where did you or your partner receive infertility or fertility preservation treatment? Select all that apply.			
University clinic	11	12.5%	68.8%
Private clinic	3	3.4%	18.8%
Same hospital I work at	3	3.4%	18.8%
Other	1	1.1%	6.3%
Not answered or not applicable	72	81.8%	
Number of IVF cycles completed			
Currently planning or in process	3	3.4%	20.0%
1	9	10.2%	60.0%
2	2	2.3%	13.3%
3	1	1.1%	6.7%
4	0	0.0%	0.0%
5 or greater	0	0.0%	0.0%
Not answered or not applicable	73	83.0%	
What was the outcome of your fertility treatment? Select all that apply			
Pregnant	1	1.1%	6.7%
Not pregnant	2	2.3%	13.3%
Froze oocytes	8	9.1%	53.3%
Froze embryos	3	3.4%	20.0%
Cycle canceled	0	0.0%	0.0%
Currently in cycle	2	2.3%	13.3%
Other	0	0.0%	0.0%
Not answered or not applicable	73	83.0%	
What was your satisfaction with the process of egg or embryo cryo? [1=not satisfied at all, 5=extremely satisfied]			
Average (Stdev)	4.6 (0.5)		
What was your satisfaction with the numbers of eggs or embryos that you were able to cryopreserve or retrieve (per IVF cycle)?			
Average (Stdev)	3.3 (1.5)		

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Are/were you able to afford the infertility treatment you need(ed)? Select all that apply.			
No - unable to afford	2	2.3%	13.3%
Yes, my salary was sufficient to support the costs	6	6.8%	40.0%
My partner's salary helped to support the costs	2	2.3%	13.3%
My parents/friends helped to support the costs	3	3.4%	20.0%
My or partner's insurance helped to support the costs	5	5.7%	33.3%
Other	2	2.3%	13.3%
Not answered or not applicable	73	83.0%	
What have been your out of pocket costs to date for infertility?			
<\$1000	0	0.0%	0.0%
\$1000-<\$5000	1	1.1%	50.0%
\$5000-<\$10,0000	0	0.0%	0.0%
\$10,000-<\$20,000	0	0.0%	0.0%
>\$20,000	1	1.1%	50.0%
Not answered or not applicable	86	97.7%	
Did you get any discounts at the facility as a courtesy for being a resident or fellow?			
Yes	1	1.1%	50.0%
No	1	1.1%	50.0%
Don't know	0	0.0%	0.0%
Other	0	0.0%	0.0%
Not answered or not applicable	86	97.7%	
Did you have insurance coverage for oocyte or embryo cryopreservation?			
Yes	2	2.3%	18.2%
Partial	3	3.4%	27.3%
No	6	6.8%	54.5%
Not answered or not applicable	77	87.5%	
Do you plan to delay your childbearing because of the ability to perform oocyte or embryo cryopreservation?			
Yes	4	4.5%	40.0%
Maybe	2	2.3%	20.0%
No	4	4.5%	40.0%
Not answered or not applicable	78	88.6%	

* Respondents who answered yes or other to "considered oocyte or embryo cryopreservation" N = 88

** Excluding not answered or not applicable. Questions in this section were displayed to all respondents who expressed interest in fertility preservation. All questions were optional.

Table 5. Infertility experience during training	N	Percentage	Percentage* (excluding not answered or not applicable)
Did your colleagues and/or program know about your struggles with infertility or desire for fertility preservation?			
Yes (only colleagues)	18	6.8%	18.6%
Yes (only program administration)	1	0.4%	1.0%
Yes (both colleagues and program administration)	11	4.2%	11.3%

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	No	55	20.9%	56.7%
	Other	12	4.6%	12.4%
	Not answered or not applicable	166	63.1%	
Did you feel stigmatized by your colleagues and/or friends for having an issue with infertility or for desiring fertility preservation?				
	Yes	3	1.1%	7.9%
	No	31	11.8%	81.6%
	Other	4	1.5%	10.5%
	Not answered or not applicable	225	85.6%	
Were your residency program administrators supportive?				
	Very supportive	11	4.2%	12.1%
	Somewhat supportive	5	1.9%	5.5%
	Minimally supportive	2	0.8%	2.2%
	Not supportive	1	0.4%	1.1%
	Unaware of treatment	69	26.2%	75.8%
	Other	3	1.1%	3.3%
	Not answered or not applicable	172	65.4%	
Were your residency program colleagues supportive?				
	Very supportive	22	8.4%	24.4%
	Somewhat supportive	4	1.5%	4.4%
	Minimally supportive	4	1.5%	4.4%
	Not supportive	0	0.0%	0.0%
	Unaware of treatment	56	21.3%	62.2%
	Other	4	1.5%	4.4%
	Not answered or not applicable	173	65.8%	
Did your work schedule allow you to go through fertility treatment?				
	Yes, with no difficulty	4	1.5%	4.4%
	Yes, with some difficulty	11	4.2%	12.1%
	Yes, with great difficulty	3	1.1%	3.3%
	No, it was not possible for me to make the appointments	5	1.9%	5.5%
	Not applicable, did not seek treatment or not treated during training	63	24.0%	69.2%
	Other	5	1.9%	5.5%
	Not answered or not applicable	172	65.4%	
A trainee discount would help with the costs of undergoing assisted reproductive technologies during training.				
	Strongly agree	175	66.5%	73.5%
	Somewhat agree	43	16.3%	18.1%
	Indifferent	10	3.8%	4.2%
	Somewhat disagree	0	0.0%	0.0%
	Strongly disagree	1	0.4%	0.4%
	No opinion	9	3.4%	3.8%
	Not answered or not applicable	25	9.5%	
In your opinion, what is the biggest barrier to pursuing fertility treatments while in training?				
	Time	119	45.2%	50.0%
	Money	80	30.4%	33.6%
	Lack of information	3	1.1%	1.3%

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Lack of partner	1	0.4%	0.4%
Emotional reasons	3	1.1%	1.3%
Geographical reasons (i.e. partner in different location)	1	0.4%	0.4%
Other	7	2.7%	2.9%
No opinion	24	9.1%	10.1%
Not answered or not applicable	25	9.5%	

***Excluding not answered or not applicable*

Non-surgical specialty data (N = 411)

Table 1. Demographics		N	Percentage
Specialty			
	Anesthesia	39	9.5%
	Dermatology	21	5.1%
	Emergency medicine	20	4.9%
	Family medicine	24	5.8%
	Internal medicine	102	24.8%
	Neurology	16	3.9%
	Pathology	15	3.6%
	Pediatrics	103	25.1%
	PM&R	6	1.5%
	Psychiatry	21	5.1%
	Radiation oncology	7	1.7%
	Radiology - diagnostic	32	7.8%
	Radiology - interventional	5	1.2%
Year of training			
	PGY1	67	16.3%
	PGY2	100	24.3%
	PGY3	108	26.3%
	PGY4	57	13.9%
	PGY5	42	10.2%
	PGY6	24	5.8%
	PGY7	6	1.5%
	PGY 8 or above	4	1.0%
	Not answered/other	3	0.7%
Resident/Fellow			
	Fellow	83	20.2%
	Resident	317	77.1%
	Not answered	11	2.7%
Sex			
	Female	318	77.4%
	Male	86	20.9%
	Transgender/other	1	0.2%
	Not answered	6	1.5%
Race/ethnicity			
	Caucasian	250	60.8%
	Black/African-American	11	2.7%
	Latino/Hispanic	16	3.9%
	Asian/Pacific Islander	88	21.4%
	Native American	1	0.2%
	2 or more races	33	8.0%

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Other	7	1.7%
Not answered	5	1.2%
Sexual orientation		
Heterosexual	375	91.2%
Homosexual	9	2.2%
Bisexual	17	4.1%
Other	3	0.7%
Not answered	7	1.7%
Marital status		
Married	230	56.0%
Partnered, not married	82	20.0%
Single	92	22.4%
Divorced	0	0.0%
Other	0	0.0%
Not answered	7	1.7%
Combined annual household income		
<40K	0	0.0%
40-60K	98	23.8%
61-80K	65	15.8%
81-100K	49	11.9%
100-200K	148	36.0%
>200K	46	11.2%
Not answered	5	1.2%
Geographic location		
West Coast	164	39.9%
Southwest	13	3.2%
Midwest	99	24.1%
South and southeast	48	11.7%
East Coast	80	19.5%
Not answered	7	1.7%
Live in a state where fertility coverage by insurance is mandated*		
Yes	58	14.1%
No	348	84.7%
Not answered	5	1.2%

**As of 2018, these states are Arkansas, Connecticut, Hawaii, Illinois, Louisiana, Maryland, Massachusetts, Montana, New Jersey, New York, Ohio, Rhode Island, and West Virginia*

Table 2. Reproductive characteristics	N	Percentage
Current Partner		
Yes	329	80.0%
No	52	12.7%
Unsure	4	1.0%

Infertility and fertility preservation among US residents and fellows

Not answered	26	6.3%
Frequency of intercourse		
2-5 times per week	85	20.7%
< 2 times per week but >3 times a month	161	39.2%
<3 times a month	91	22.1%
No intercourse	43	10.5%
Not answered	31	7.5%
Contraception method (select all that apply)		
No contraception	83	20.2%
Cycle awareness / rhythm method	21	5.1%
OCPs	82	20.0%
Patch or ring	9	2.2%
IUD	146	35.5%
Implanon/Nexplanon	8	1.9%
Tubal ligation	0	0.0%
Barrier	62	15.1%
Vasectomy	0	0.0%
Withdrawal	14	3.4%
Other	12	2.9%
Not answered	32	7.8%
Currently trying to conceive		
Have not been trying	321	78.1%
Trying <1 year	45	10.9%
Trying 1-3 years	12	2.9%
Trying >3 years	4	1.0%
Not answered	29	7.1%
Have you or your partner been or are currently pregnant during training?		
Yes	94	22.9%
No	291	70.8%
Not answered	26	6.3%
Do you have a child or are you currently pregnant during training?		
Yes	104	25.3%
No	280	68.1%
Not answered	27	6.6%
How long did it take to become pregnant? Select all that apply (if multiple pregnancies)		
<6 months	73	17.8%
6-12 months	19	4.6%
1-2 years	8	1.9%
>2 years	7	1.7%
Other	5	1.2%
Not answered or not applicable	307	74.7%
Spontaneous pregnancy? Select all that apply (if multiple pregnancies)		
Yes	88	21.4%
No - oral medications	6	1.5%
No - IUI	1	0.2%

Infertility and fertility preservation among US residents and fellows

No - IVF	8	1.9%
No - surrogate	1	0.2%
No - other	2	0.5%
Not answered or not applicable	307	74.7%
Outcome of pregnanc(ies) in training. Select all that apply		
Live born - preterm <37 weeks	4	1.0%
Live born - full term 37+ weeks	58	14.1%
Currently pregnant	29	7.1%
Miscarriage or loss <20 wks	13	3.2%
Intrauterine demise or loss >20 wks	2	0.5%
Termination	3	0.7%
Neonatal demise	0	0.0%
Other	3	0.7%
Not answered or not applicable	318	77.4%
Have you delayed your childbearing plans due to residency/fellowship training?		
Yes	120	29.2%
No	26	6.3%
Unsure	235	57.2%
Not answered	30	7.3%
Have you or your partner done any tests for the specific purpose of assessing ovarian reserve or fertility? Select all that apply.		
Lab tests (i.e. AMH, FSH, estradiol)	49	11.9%
Ultrasound	36	8.8%
Semen analysis	31	7.5%
None	322	78.3%
Other	4	1.0%
Not answered or not applicable	33	8.0%
Have you or your partner considered oocyte or embryo cryopreservation for fertility preservation?		
Yes	119	29.0%
No	231	56.2%
Never heard of thought of it	24	5.8%
Other	6	1.5%
Not answered or not applicable	31	7.5%
Experienced infertility or RPL?* Select all that apply.		
Yes – infertility	30	7.3%
Yes – recurrent pregnancy loss	8	1.9%
No	252	61.3%
Don't know	43	10.5%
Not applicable	69	16.8%
Not answered	29	7.1%
Experienced infertility or RPL during or prior to training? Select all that apply		
Both in training and prior to training	4	1.0%
During training	30	7.3%
Prior to training	4	1.0%
Not answered or not applicable	373	90.8%

Infertility and fertility preservation among US residents and fellows

*Infertility = inability to conceive for 12 months under age 35 or 6 months 35 or older, RPL = 2 or more miscarriages

Table 3. Infertility medical treatment*	N	Percentage	Percentage** (excluding not answered or not applicable)
Did you and/or your partner go for consultation at a fertility center?			
Yes	27	33.3%	50.0%
No	26	32.1%	48.1%
Other	1	1.2%	1.9%
Not answered or not applicable	27	33.3%	
What was the cause of infertility? Select all that apply.			
Diminished ovarian reserve	4	4.9%	10.0%
Endometriosis	2	2.5%	5.0%
Male factor	2	2.5%	5.0%
Ovulatory dysfunction including PCOS	6	7.4%	15.0%
Recurrent pregnancy loss	5	6.2%	12.5%
Tubal	0	0.0%	0.0%
Uterine	2	2.5%	5.0%
Unexplained	18	22.2%	45.0%
Other	7	8.6%	17.5%
Not answered or not applicable	41	50.6%	
If you did have not yet had a fertility consultation, what is the most reason? Select all that apply.			
Don't think I need it yet	9	11.1%	37.5%
Don't have time	4	4.9%	16.7%
Cannot afford	5	6.2%	20.8%
Hoping I won't need it	14	17.3%	58.3%
Other	3	3.7%	12.5%
Not answered or not applicable	57	70.4%	
Have you or your partner completed or are currently preparing for a stimulation cycle? Select all that apply.			
Yes – IVF for infertility/RPL	2	2.5%	7.1%
Yes – IVF for oocyte cryopreservation	0	0.0%	0.0%
Yes – IVF for embryo cryopreservation	3	3.7%	10.7%
Yes – IUI	8	9.9%	28.6%
Yes – oral medications	8	9.9%	28.6%
No	7	8.6%	25.0%
Not answered or not applicable	53	65.4%	
[If no to above] Why did you decide not to pursue fertility treatment after consultation? Select all that apply.			
Financial reasons	3	3.7%	60.0%

Infertility and fertility preservation among US residents and fellows

Lack of insurance	1	1.2%	20.0%
Lack of time/flexibility	2	2.5%	40.0%
Not interested at this time	1	1.2%	20.0%
Other	1	1.2%	20.0%
Not answered or not applicable	76	93.8%	
Where did you or your partner receive infertility or fertility preservation treatment? Select all that apply.			
University clinic	10	12.3%	47.6%
Private clinic	10	12.3%	47.6%
Same hospital I work at	6	7.4%	28.6%
Other	1	1.2%	4.8%
Not answered or not applicable	60	74.1%	
Number of IVF cycles completed			
Currently planning or in process	3	3.7%	23.1%
1	5	6.2%	38.5%
2	5	6.2%	38.5%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5 or greater	0	0.0%	0.0%
Not answered or not applicable	68	84.0%	
Number of IUI cycles completed			
Currently planning or in process	1	1.2%	12.5%
1	1	1.2%	12.5%
2	0	0.0%	0.0%
3	5	6.2%	62.5%
4	0	0.0%	0.0%
5 or greater	1	1.2%	12.5%
Not answered or not applicable	73	90.1%	
What was the outcome of your fertility treatment? Select all that apply			
Pregnant	10	12.3%	47.6%
Not pregnant	5	6.2%	23.8%
Froze oocytes	0	0.0%	0.0%
Froze embryos	3	3.7%	14.3%
Cycle canceled	0	0.0%	0.0%
Currently in cycle	7	8.6%	33.3%
Other	4	4.9%	19.0%
Not answered or not applicable	60	74.1%	
What was your satisfaction with the process of IVF for infertility? [1=not satisfied at all, 5=extremely satisfied]			
Average (Stdev)	4.7 (0.8)		
What was your satisfaction with the numbers of eggs or embryos that you were able to cryopreserve or retrieve (per IVF cycle)?			
Average (Stdev)	4.5 (0.8)		
What was your satisfaction with the process of IUI for infertility? [1=not satisfied at all, 5=extremely satisfied]			
Average (Stdev)	2.4 (0.9)		
Are/were you able to afford the infertility treatment you need(ed)? Select all that apply.			

Infertility and fertility preservation among US residents and fellows

No - unable to afford	2	2.5%	9.5%
Yes, my salary was sufficient to support the costs	3	3.7%	14.3%
My partner's salary helped to support the costs	9	11.1%	42.9%
My parents/friends helped to support the costs	3	3.7%	14.3%
My or partner's insurance helped to support the costs	11	13.6%	52.4%
Other	3	3.7%	14.3%
Not answered or not applicable	60	74.1%	
What have been your out of pocket costs to date for infertility?			
<\$1000	0	0.0%	0.0%
\$1000-<\$5000	1	1.2%	100.0%
\$5000-<\$10,000	0	0.0%	0.0%
\$10,000-<\$20,000	0	0.0%	0.0%
>\$20,000	0	0.0%	0.0%
Not answered or not applicable	80	98.8%	
Did you get any discounts at the facility as a courtesy for being a resident or fellow?			
Yes	0	0.0%	0.0%
No	2	2.5%	100.0%
Don't know	0	0.0%	0.0%
Not answered or not applicable	79	97.5%	
Did you have insurance coverage for IVF for infertility?			
Yes	7	8.6%	58.3%
Partial	1	1.2%	8.3%
No	4	4.9%	33.3%
Not answered or not applicable	69	85.2%	
Did you have insurance coverage for IUI?			
Yes	6	7.4%	75.0%
Partial	0	0.0%	0.0%
No	2	2.5%	25.0%
Not answered or not applicable	73	90.1%	

* Respondents who answered yes or don't know to "experienced infertility or RPL in training," N = 81

**Excluding not answered or not applicable. Questions in this section were displayed to all respondents who had infertility or RPL during training. All questions were optional.

Table 4. Fertility preservation*	N	Percentage	Percentage** (excluding not answered or not applicable)
Did you and/or your partner go for consultation at a fertility center?			
Yes	22	17.6%	24.2%
No	65	52.0%	71.4%
Other	4	3.2%	4.4%

Infertility and fertility preservation among US residents and fellows

Not answered or not applicable	34	27.2%	
[If no to first question] Why did you decide not to pursue a consultation for oocyte or embryo cryopreservation despite interest? Select all that apply.			
Financial reasons	29	23.2%	48.3%
Lack of insurance	7	5.6%	11.7%
No current partner	11	8.8%	18.3%
Lack of time/flexibility	27	21.6%	45.0%
Not interested at this time	21	16.8%	35.0%
Other	13	10.4%	21.7%
Not answered or not applicable	65	52.0%	
Have you or your partner completed or are currently preparing for a stimulation cycle? Select all that apply.			
Yes – IVF for infertility/RPL	7	5.6%	26.9%
Yes – IVF for oocyte cryopreservation	1	0.8%	3.8%
Yes – IVF for embryo cryopreservation	3	2.4%	11.5%
Yes – IUI	5	4.0%	19.2%
Yes – oral medications	3	2.4%	11.5%
No	14	11.2%	53.8%
Not answered or not applicable	99	79.2%	
[If no to above] Why did you decide not to pursue oocyte or embryo cryopreservation after consultation? Select all that apply.			
Financial reasons	7	5.6%	77.8%
Lack of insurance	2	1.6%	22.2%
No current partner	1	0.8%	11.1%
Lack of time/flexibility	6	4.8%	66.7%
Not interested at this time	3	2.4%	33.3%
Other	2	1.6%	22.2%
Not answered or not applicable	116	92.8%	
Where did you or your partner receive infertility or fertility preservation treatment? Select all that apply.			
University clinic	7	5.6%	58.3%
Private clinic	6	4.8%	50.0%
Same hospital I work at	5	4.0%	41.7%
Other	0	0.0%	0.0%
Not answered or not applicable	113	90.4%	
Number of IVF cycles completed			
Currently planning or in process	1	0.8%	11.1%
1	3	2.4%	33.3%
2	5	4.0%	55.6%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5 or greater	0	0.0%	0.0%
Not answered or not applicable	116	92.8%	
What was the outcome of your fertility treatment? Select all that apply			
Pregnant	6	4.8%	50.0%
Not pregnant	3	2.4%	25.0%

Infertility and fertility preservation among US residents and fellows

Froze oocytes	1	0.8%	8.3%
Froze embryos	3	2.4%	25.0%
Cycle canceled		0.0%	0.0%
Currently in cycle	3	2.4%	25.0%
Other	2	1.6%	16.7%
Not answered or not applicable	113	90.4%	
What was your satisfaction with the process of egg or embryo cryo? [1=not satisfied at all, 5=extremely satisfied]			
Average (Stdev)	4.0 (0)		
What was your satisfaction with the numbers of eggs or embryos that you were able to cryopreserve or retrieve (per IVF cycle)?			
Average (Stdev)	4.0 (1.0)		
Are/were you able to afford the infertility treatment you need(ed)? Select all that apply.			
No - unable to afford	2	1.6%	16.7%
Yes, my salary was sufficient to support the costs	3	2.4%	25.0%
My partner's salary helped to support the costs	3	2.4%	25.0%
My parents/friends helped to support the costs	3	2.4%	25.0%
My or partner's insurance helped to support the costs	5	4.0%	41.7%
Other	3	2.4%	25.0%
Not answered or not applicable	113	90.4%	
What have been your out of pocket costs to date for infertility?			
<\$1000	0	0.0%	0.0%
\$1000-<\$5000	1	0.8%	100.0%
\$5000-<\$10,000	0	0.0%	0.0%
\$10,000-<\$20,000	0	0.0%	0.0%
>\$20,000	0	0.0%	0.0%
Not answered or not applicable	124	99.2%	
Did you get any discounts at the facility as a courtesy for being a resident or fellow?			
Yes	0	0.0%	0.0%
No	2	1.6%	100.0%
Don't know	0	0.0%	0.0%
Other	0	0.0%	0.0%
Not answered or not applicable	123	98.4%	
Did you have insurance coverage for oocyte or embryo cryopreservation?			
Yes	1	0.8%	25.0%
Partial	1	0.8%	25.0%
No	2	1.6%	50.0%
Not answered or not applicable	121	96.8%	
Do you plan to delay your childbearing because of the ability to perform oocyte or embryo cryopreservation?			
Yes	0	0.0%	0.0%
Maybe	2	1.6%	50.0%
No	2	1.6%	50.0%
Not answered or not applicable	121	96.8%	

* Respondents who answered yes or other to "considered oocyte or embryo cryopreservation" N = 125

Infertility and fertility preservation among US residents and fellows

*** Excluding not answered or not applicable. Questions in this section were displayed to all respondents who expressed interest in fertility preservation. All questions were optional.*

Table 5. Infertility experience during training	N	Percentage	Percentage* (excluding not answered or not applicable)
Did your colleagues and/or program know about your struggles with infertility or desire for fertility preservation?			
Yes (only colleagues)	18	4.4%	12.1%
Yes (only program administration)	2	0.5%	1.3%
Yes (both colleagues and program administration)	10	2.4%	6.7%
No	105	25.5%	70.5%
Other	14	3.4%	9.4%
Not answered or not applicable	262	63.7%	
Did you feel stigmatized by your colleagues and/or friends for having an issue with infertility or for desiring fertility preservation?			
Yes	3	0.7%	7.5%
No	32	7.8%	80.0%
Other	5	1.2%	12.5%
Not answered or not applicable	371	90.3%	
Were your residency program administrators supportive?			
Very supportive	15	3.6%	10.6%
Somewhat supportive	4	1.0%	2.8%
Minimally supportive	4	1.0%	2.8%
Not supportive	1	0.2%	0.7%
Unaware of treatment	112	27.3%	79.4%
Other	5	1.2%	3.5%
Not answered or not applicable	270	65.7%	
Were your residency program colleagues supportive?			
Very supportive	25	6.1%	17.7%
Somewhat supportive	7	1.7%	5.0%
Minimally supportive	1	0.2%	0.7%
Not supportive	2	0.5%	1.4%
Unaware of treatment	100	24.3%	70.9%
Other	6	1.5%	4.3%
Not answered or not applicable	270	65.7%	
Did your work schedule allow you to go through fertility treatment?			
Yes, with no difficulty	2	0.5%	1.4%
Yes, with some difficulty	16	3.9%	11.3%
Yes, with great difficulty	10	2.4%	7.0%
No, it was not possible for me to make the appointments	9	2.2%	6.3%
Not applicable, did not seek treatment or not treated during training	101	24.6%	71.1%

Infertility and fertility preservation among US residents and fellows

Other	4	1.0%	2.8%
Not answered or not applicable	269	65.5%	
A trainee discount would help with the costs of undergoing assisted reproductive technologies during training.			
Strongly agree	238	57.9%	67.0%
Somewhat agree	70	17.0%	19.7%
Indifferent	21	5.1%	5.9%
Somewhat disagree	2	0.5%	0.6%
Strongly disagree	1	0.2%	0.3%
No opinion	23	5.6%	6.5%
Not answered or not applicable	56	13.6%	
In your opinion, what is the biggest barrier to pursuing fertility treatments while in training?			
Time	128	31.1%	35.8%
Money	128	31.1%	35.8%
Lack of information	22	5.4%	6.1%
Lack of partner	15	3.6%	4.2%
Emotional reasons	6	1.5%	1.7%
Geographical reasons (i.e. partner in different location)	4	1.0%	1.1%
Other	18	4.4%	5.0%
No opinion	37	9.0%	10.3%
Not answered or not applicable	53	12.9%	

**Excluding not answered or not applicable*