

## **Index D. Data by Resident/Fellow**

Note: N=533 for resident and N=155 for fellow

### **Resident versus fellow responses**

We also stratified our responses by residents (n=533) versus fellows (n=155, see **Index C**).

These groups were also similarly distributed in terms of demographics, with the majority of respondents identifying as Caucasians, female, partnered, and in a non-surgical specialty. As expected, more fellows than residents reported having a child or being pregnant during training, though this was still a minority of respondents (31.8 vs 22.0% respectively). More fellows than residents reported experiencing infertility (14.8% vs 5.3%) or RPL (3.2% vs 1.1%), or delaying their childbearing due to medical training (67.7% vs 56.1%). A similar percentage of both reported considering fertility cryopreservation (30.4% of residents and 28.4% of fellows).

Residents and fellows had similar levels of fertility services usage in terms of percentage of the infertile/RPL population seeking consultation, undergoing IVF, or undergoing IUI. Residents reported higher satisfaction scores for IVF, IUI, and oocyte cryopreservation. For respondents interested in fertility preservation, a higher percentage of fellows reported undergoing a consultation (55.0% vs 18.9%) or undergoing IVF for oocyte (30.4% vs 17.9%) or embryo cryopreservation (17.4% vs 7.1%). Financial reasons and lack of time/flexibility were the most common reasons given for not pursuing treatment. Fellows reported higher levels of support from their programs and colleagues, and more flexible schedules in terms of conduciveness to fertility treatment. However, money was fellows' largest barrier to treatment, while residents reported that time was the largest barrier.

**Resident data (N=533)**

<b>Table 1. Demographics</b>		<b>N</b>	<b>Percentage</b>
Specialty	Anesthesia	32	6.0%
	Cardiac Surgery	2	0.4%
	Dermatology	20	3.8%
	Emergency medicine	17	3.2%
	Family medicine	23	4.3%
	General surgery	15	2.8%
	Internal medicine	68	12.8%
	Neurological surgery	1	0.2%
	Neurology	10	1.9%
	Obstetrics and Gynecology	136	25.5%
	Ophthalmology	8	1.5%
	Oral and Maxillofacial Surgery	2	0.4%
	Orthopedic surgery	11	2.1%
	Other	10	1.9%
	Other surgical subspecialty	3	0.6%
	Otolaryngology	9	1.7%
	Pathology	9	1.7%
	Pediatrics	81	15.2%
	Plastic surgery	8	1.5%
	PM&R	4	0.8%
	Psychiatry	18	3.4%
	Radiation oncology	7	1.3%
	Radiology - diagnostic	24	4.5%
	Radiology - interventional	4	0.8%
	Urology	11	2.1%
Year of training	PGY1	106	19.9%
	PGY2	149	28.0%
	PGY3	163	30.6%
	PGY4	83	15.6%
	PGY5	23	4.3%
	PGY6	5	0.9%
	PGY7	2	0.4%
	PGY 8 or above	1	0.2%
	Not answered/other	1	0.2%
Surgical Specialty	Yes	206	38.6%
	No	317	59.5%
	Not answered	10	1.9%
Sex	Female	420	78.8%
	Male	105	19.7%
	Transgender/other	0	0.0%
	Not answered	8	1.5%
Race/ethnicity	Caucasian	339	63.6%
	Black/African-American	11	2.1%
	Latino/Hispanic	19	3.6%

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Asian/Pacific Islander	112	21.0%
Native American	1	0.2%
2 or more races	34	6.4%
Other	9	1.7%
Not answered	8	1.5%
Sexual orientation		
Heterosexual	486	91.2%
Homosexual	13	2.4%
Bisexual	18	3.4%
Other	6	1.1%
Not answered	10	1.9%
Marital status		
Married	290	54.4%
Partnered, not married	129	24.2%
Single	100	18.8%
Divorced	2	0.4%
Other	3	0.6%
Not answered	9	1.7%
Combined annual household income		
<40K	1	0.2%
40-60K	130	24.4%
61-80K	91	17.1%
81-100K	72	13.5%
100-200K	180	33.8%
>200K	51	9.6%
Not answered	8	1.5%
Geographic location		
West Coast	198	37.1%
Southwest	24	4.5%
Midwest	128	24.0%
South and southeast	64	12.0%
East Coast	109	20.5%
Not answered	10	1.9%
Live in a state where fertility coverage by insurance is mandated*		
Yes	77	14.4%
No	403	75.6%
Not answered	53	9.9%

\*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	443	83.1%
No	56	10.5%
Unsure	3	0.6%
Not answered	31	5.8%
Frequency of intercourse		
2-5 times per week	109	20.5%
< 2 times per week but >3 times a month	218	40.9%
<3 times a month	123	23.1%
No intercourse	46	8.6%

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Not answered	37	6.9%
Contraception method (select all that apply)		
No contraception	94	17.6%
Cycle awareness / rhythm method	20	3.8%
OCPs	90	16.9%
Patch or ring	13	2.4%
IUD	224	42.0%
Implanon/Nexplanon	17	3.2%
Tubal ligation	0	0.0%
Barrier	73	13.7%
Vasectomy	0	0.0%
Withdrawal	24	4.5%
Other	16	3.0%
Not answered	40	7.5%
Currently trying to conceive		
Have not been trying	432	81.1%
Trying <1 year	47	8.8%
Trying 1-3 years	15	2.8%
Trying >3 years	3	0.6%
Not answered	36	6.8%
Have you or your partner been or are currently pregnant during training?		
Yes	96	18.0%
No	405	76.0%
Not answered	32	6.0%
Do you have a child or are you currently pregnant during training?		
Yes	117	22.0%
No	383	71.9%
Not answered	33	6.2%
How long did it take to become pregnant? Select all that apply (if multiple pregnancies)		
<6 months	86	16.1%
6-12 months	22	4.1%
1-2 years	8	1.5%
>2 years	3	0.6%
Other	15	2.8%
Not answered or not applicable	416	78.0%
Spontaneous pregnancy? Select all that apply (if multiple pregnancies)		
Yes	107	20.1%
No - oral medications	7	1.3%
No - IUI	1	0.2%
No - IVF	4	0.8%
No - surrogate	0	0.0%
No - other	2	0.4%
Not answered or not applicable	416	78.0%
Outcome of pregnanc(ies) in training. Select all that apply		
Live born - preterm <37 weeks	1	0.2%
Live born - full term 37+ weeks	56	10.5%
Currently pregnant	34	6.4%
Miscarriage or loss <20 wks	12	2.3%
Intrauterine demise or loss >20 wks	2	0.4%
Termination	2	0.4%
Neonatal demise	0	0.0%
Other	6	1.1%

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Not answered or not applicable	438	82.2%
Have you delayed your childbearing plans due to residency/fellowship training?		
Yes	299	56.1%
No	171	32.1%
Unsure	26	4.9%
Not answered	37	6.9%
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)	51	9.6%
Ultrasound	40	7.5%
Semen analysis	31	5.8%
None	429	80.5%
Other	5	0.9%
Not answered or not applicable	40	7.5%
Have you or your partner considered oocyte or embryo cryopreservation for fertility preservation?		
Yes	162	30.4%
No	304	57.0%
Never heard of thought of it	20	3.8%
Other	8	1.5%
Not answered or not applicable	39	7.3%
Experienced infertility or RPL?* Select all that apply.		
Yes – infertility	28	5.3%
Yes – recurrent pregnancy loss	6	1.1%
No	349	65.5%
Don't know	49	9.2%
Not applicable	94	17.6%
Not answered	36	6.8%
Experienced infertility or RPL during or prior to training? Select all that apply		
Both in training and prior to training	5	0.9%
During training	22	4.1%
Prior to training	6	1.1%
Not answered or not applicable	500	93.8%

\*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	25	30.1%	48.1%
No	26	31.3%	50.0%
Other	1	1.2%	1.9%
Not answered or not applicable	31	37.3%	
What was the cause of infertility? Select all that apply.			
Diminished ovarian reserve	4	4.8%	10.3%
Endometriosis	2	2.4%	5.1%
Male factor	4	4.8%	10.3%
Ovulatory dysfunction including	5	6.0%	12.8%

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	PCOS			
	Recurrent pregnancy loss	3	3.6%	7.7%
	Tubal	0	0.0%	0.0%
	Uterine	1	1.2%	2.6%
	Unexplained	18	21.7%	46.2%
	Other	6	7.2%	15.4%
	Not answered or not applicable	44	53.0%	
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	8	9.6%	34.8%
	Don't have time	6	7.2%	26.1%
	Cannot afford	4	4.8%	17.4%
	Hoping I won't need it	10	12.0%	43.5%
	Other	3	3.6%	13.0%
	Not answered or not applicable	60	72.3%	
Have you or your partner completed or are currently preparing for a stimulation cycle? Select all that apply.				
	Yes – IVF for infertility/RPL	9	10.8%	34.6%
	Yes – IVF for oocyte cryopreservation	1	1.2%	3.8%
	Yes – IVF for embryo cryopreservation	1	1.2%	3.8%
	Yes – IUI	5	6.0%	19.2%
	Yes – oral medications	8	9.6%	30.8%
	No	7	8.4%	26.9%
	Not answered or not applicable	57	68.7%	
[If no to above] Why did you decide not to pursue fertility treatment after consultation? Select all that apply.				
	Financial reasons	3	3.6%	50.0%
	Lack of insurance	1	1.2%	16.7%
	Lack of time/flexibility	3	3.6%	50.0%
	Not interested at this time	0	0.0%	0.0%
	Other	3	3.6%	50.0%
	Not answered or not applicable	77	92.8%	
Where did you or your partner receive infertility or fertility preservation treatment? Select all that apply.				
	University clinic	5	6.0%	26.3%
	Private clinic	12	14.5%	63.2%
	Same hospital I work at	5	6.0%	26.3%
	Other	0	0.0%	0.0%
	Not answered or not applicable	64	77.1%	
Number of IVF cycles completed				
	Currently planning or in process	5	6.0%	45.5%
	1	4	4.8%	36.4%
	2	2	2.4%	18.2%
	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	72	86.7%	
Number of IUI cycles completed				
	Currently planning or in process	1	1.2%	20.0%
	1	1	1.2%	20.0%
	2	0	0.0%	0.0%
	3	2	2.4%	40.0%

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	4	0	0.0%	0.0%
	5 or greater	1	1.2%	20.0%
	Not answered or not applicable	78	94.0%	
What was the outcome of your fertility treatment? Select all that apply				
	Pregnant	6	7.2%	31.6%
	Not pregnant	2	2.4%	10.5%
	Froze oocytes	0	0.0%	0.0%
	Froze embryos	3	3.6%	15.8%
	Cycle canceled	0	0.0%	0.0%
	Currently in cycle	10	12.0%	52.6%
	Other	3	3.6%	15.8%
	Not answered or not applicable	64	77.1%	
What was your satisfaction with the process of IVF for infertility? [1=not satisfied at all, 5=extremely satisfied]				
	Average (Stdev)	4.6 (0.9)		
What was your satisfaction with the numbers of eggs or embryos that you were able to cryopreserve or retrieve (per IVF cycle)?				
	Average (Stdev)	4.6 (0.8)		
What was your satisfaction with the process of IUI for infertility? [1=not satisfied at all, 5=extremely satisfied]				
	Average (Stdev)	3.3 (1.3)		
Are/were you able to afford the infertility treatment you need(ed)? Select all that apply.				
	No - unable to afford	1	1.2%	5.3%
	Yes, my salary was sufficient to support the costs	3	3.6%	15.8%
	My partner's salary helped to support the costs	7	8.4%	36.8%
	My parents/friends helped to support the costs	4	4.8%	21.1%
	My or partner's insurance helped to support the costs	6	7.2%	31.6%
	Other	3	3.6%	15.8%
	Not answered or not applicable	64	77.1%	
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-<\$10,000	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	83	100.0%	
Did you get any discounts at the facility as a courtesy for being a resident or fellow?				
	Yes	0	0.0%	0.0%
	No	1	1.2%	100.0%
	Don't know	0	0.0%	0.0%
	Not answered or not applicable	82	98.8%	
Did you have insurance coverage for IVF for infertility?				
	Yes	2	2.4%	22.2%
	Partial	1	1.2%	11.1%
	No	6	7.2%	66.7%
	Not answered or not applicable	74	89.2%	
Did you have insurance coverage for IUI?				
	Yes	3	3.6%	3.6%
	Partial	0	0.0%	0.0%
	No	2	2.4%	40.0%

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Not answered or not applicable	78	94.0%
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\* Respondents who answered yes or don't know to "experienced infertility or RPL in training,"

N = 83

\*\*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.

<b>Table 4. Fertility preservation*</b>	<b>N</b>	<b>Percentage</b>	<b>Percentage** (excluding not answered or not applicable)</b>
Did you and/or your partner go for consultation at a fertility center?			
Yes	24	14.1%	18.9%
No	99	58.2%	78.0%
Other	4	2.4%	3.1%
Not answered or not applicable	43	25.3%	
[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	46	27.1%	48.4%
Lack of insurance	10	5.9%	10.5%
No current partner	11	6.5%	11.6%
Lack of time/flexibility	41	24.1%	43.2%
Not interested at this time	36	21.2%	37.9%
Other	14	8.2%	14.7%
Not answered or not applicable	75	44.1%	
Have you or your partner completed or are currently preparing for a stimulation cycle? Select all that apply.			
Yes – IVF for infertility/RPL	5	2.9%	17.9%
Yes – IVF for oocyte cryopreservation	5	2.9%	17.9%
Yes – IVF for embryo cryopreservation	2	1.2%	7.1%
Yes – IUI	3	1.8%	10.7%
Yes – oral medications	3	1.8%	10.7%
No	13	7.6%	46.4%
Not answered or not applicable	142	83.5%	
[If no to above] Why did you decide not to pursue oocyte or embryo cryopreservation after consultation? Select all that apply.			
Financial reasons	46	27.1%	48.4%
Lack of insurance	10	5.9%	10.5%
No current partner	11	6.5%	11.6%
Lack of time/flexibility	41	24.1%	43.2%
Not interested at this time	36	21.2%	37.9%
Other	13	7.6%	13.7%
Not answered or not applicable	75	44.1%	
Where did you or your partner receive infertility or fertility preservation treatment? Select all that apply.			
University clinic	7	4.1%	46.7%
Private clinic	7	4.1%	46.7%
Same hospital I work at	4	2.4%	26.7%
Other	0	0.0%	0.0%
Not answered or not applicable	155	91.2%	
Number of IVF cycles completed			
Currently planning or in process	4	2.4%	33.3%
1	6	3.5%	50.0%



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	2	2	1.2%	16.7%
	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	158	92.9%	
What was the outcome of your fertility treatment? Select all that apply				
	Pregnant	3	1.8%	20.0%
	Not pregnant	1	0.6%	6.7%
	Froze oocytes	4	2.4%	26.7%
	Froze embryos	2	1.2%	13.3%
	Cycle canceled	0	0.0%	0.0%
	Currently in cycle	5	2.9%	33.3%
	Other	2	1.2%	13.3%
	Not answered or not applicable	155	91.2%	
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)	4.1 (1.1)		
Are/were you able to afford the infertility treatment you need(ed)? Select all that apply.				
	No - unable to afford	1	0.6%	6.7%
	Yes, my salary was sufficient to support the costs	4	2.4%	26.7%
	My partner's salary helped to support the costs	3	1.8%	20.0%
	My parents/friends helped to support the costs	4	2.4%	26.7%
	My or partner's insurance helped to support the costs	2	1.2%	13.3%
	Other	3	1.8%	20.0%
	Not answered or not applicable	155	91.2%	
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-<\$10,000	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	170	100.0%	
Did you get any discounts at the facility as a courtesy for being a resident or fellow?				
	Yes	0	0.0%	0.0%
	No	1	0.6%	100.0%
	Don't know	0	0.0%	0.0%
	Other	0	0.0%	0.0%
	Not answered or not applicable	169	99.4%	
Did you have insurance coverage for oocyte or embryo cryopreservation?				
	Yes	1	0.6%	14.3%
	Partial	3	1.8%	42.9%
	No	3	1.8%	42.9%
	Not answered or not applicable	163	95.9%	
Do you plan to delay your childbearing because of the ability to perform oocyte or embryo cryopreservation?				
	Yes	3	1.8%	50.0%
	Maybe	2	1.2%	33.3%

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No	1	0.6%	16.7%
Not answered or not applicable	164	96.5%	

\* Respondents who answered yes or other to "considered oocyte or embryo cryopreservation" N = 170

\*\* 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.

<b>Table 5. Infertility experience during training</b>	<b>N</b>	<b>Percentage</b>	<b>Percentage* (excluding not answered or not applicable)</b>
Did your colleagues and/or program know about your struggles with infertility or desire for fertility preservation?			
Yes (only colleagues)	27	5.1%	14.1%
Yes (only program administration)	1	0.2%	0.5%
Yes (both colleagues and program administration)	14	2.6%	7.3%
No	129	24.2%	67.5%
Other	20	3.8%	10.5%
Not answered or not applicable	342	64.2%	
Did you feel stigmatized by your colleagues and/or friends for having an issue with infertility or for desiring fertility preservation?			
Yes	3	0.6%	5.4%
No	47	8.8%	83.9%
Other	6	1.1%	10.7%
Not answered or not applicable	477	89.5%	
Were your residency program administrators supportive?			
Very supportive	15	2.8%	8.3%
Somewhat supportive	5	0.9%	2.8%
Minimally supportive	5	0.9%	2.8%
Not supportive	2	0.4%	1.1%
Unaware of treatment	148	27.8%	81.8%
Other	6	1.1%	3.3%
Not answered or not applicable	352	66.0%	
Were your residency program colleagues supportive?			
Very supportive	30	5.6%	16.7%
Somewhat supportive	9	1.7%	5.0%
Minimally supportive	4	0.8%	2.2%
Not supportive	2	0.4%	1.1%
Unaware of treatment	128	24.0%	71.1%
Other	7	1.3%	3.9%
Not answered or not applicable	353	66.2%	
Did your work schedule allow you to go through fertility treatment?			
Yes, with no difficulty	1	0.2%	0.6%
Yes, with some difficulty	17	3.2%	9.4%
Yes, with great difficulty	8	1.5%	4.4%
No, it was not possible for me to make the appointments	10	1.9%	5.5%
Not applicable, did not seek treatment or not treated during training	139	26.1%	76.8%
Other	6	1.1%	3.3%
Not answered or not applicable	352	66.0%	
A trainee discount would help with the costs of undergoing assisted reproductive technologies during training.			
Strongly agree	311	58.3%	66.5%

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	Somewhat agree	97	18.2%	20.7%
	Indifferent	26	4.9%	5.6%
	Somewhat disagree	2	0.4%	0.4%
	Strongly disagree	2	0.4%	0.4%
	No opinion	30	5.6%	6.4%
	Not answered or not applicable	65	12.2%	
In your opinion, what is the biggest barrier to pursuing fertility treatments while in training?				
	Time	202	37.9%	43.0%
	Money	152	28.5%	32.3%
	Lack of information	21	3.9%	4.5%
	Lack of partner	16	3.0%	3.4%
	Emotional reasons	7	1.3%	1.5%
	Geographical reasons (i.e. partner in different location)	4	0.8%	0.9%
	Other	17	3.2%	3.6%
	No opinion	51	9.6%	10.9%
	Not answered or not applicable	63	11.8%	

*\*Excluding not answered or not applicable*

**Fellow data (N=155)**

<b>Table 1. Demographics</b>		<b>N</b>	<b>Percentage</b>
Specialty			
	Anesthesia	6	3.9%
	Cardiac Surgery	1	0.6%
	Dermatology	1	0.6%
	Emergency medicine	2	1.3%
	Family medicine	1	0.6%
	Family planning	6	3.9%
	General surgery	2	1.3%
	Gynecologic oncology	1	0.6%
	Internal medicine	32	20.6%
	Maternal fetal medicine	8	5.2%
	Neurology	5	3.2%
	Obstetrics and Gynecology	20	12.9%
	Ophthalmology	1	0.6%
	Orthopedic surgery	1	0.6%
	Other	17	11.0%
	Other surgical subspecialty	5	3.2%
	Otolaryngology	2	1.3%
	Pathology	5	3.2%
	Pediatrics	19	12.3%
	Plastic surgery	2	1.3%
	PM&R	1	0.6%
	Psychiatry	3	1.9%
	Radiology - diagnostic	7	4.5%
	Radiology - interventional	1	0.6%
	Reproductive endocrinology and infertility	4	2.6%
	Urogynecology and reconstructive pelvic surgery	1	0.6%
	Urology	1	0.6%
Year of training			
	PGY1	0	0.0%
	PGY2	1	0.6%
	PGY3	2	1.3%
	PGY4	25	16.1%
	PGY5	44	28.4%
	PGY6	36	23.2%
	PGY7	15	9.7%
	PGY 8 or above	11	7.1%
	Not answered/other	21	13.5%
Surgical Specialty			
	Yes	55	35.5%

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	No	83	53.5%
	Not answered	17	11.0%
Sex			
	Female	123	79.4%
	Male	27	17.4%
	Transgender/other	1	0.6%
	Not answered	4	2.6%
Race/ethnicity			
	Caucasian	97	62.6%
	Black/African-American	6	3.9%
	Latino/Hispanic	5	3.2%
	Asian/Pacific Islander	28	18.1%
	Native American	0	0.0%
	2 or more races	15	9.7%
	Other	1	0.6%
	Not answered	3	1.9%
Sexual orientation			
	Heterosexual	139	89.7%
	Homosexual	6	3.9%
	Bisexual	6	3.9%
	Other	1	0.6%
	Not answered	3	1.9%
Marital status			
	Married	109	70.3%
	Partnered, not married	18	11.6%
	Single	23	14.8%
	Divorced	1	0.6%
	Other	0	0.0%
	Not answered	4	2.6%
Combined annual household income			
	<40K	0	0.0%
	40-60K	13	8.4%
	61-80K	28	18.1%
	81-100K	16	10.3%
	100-200K	63	40.6%
	>200K	31	20.0%
	Not answered	4	2.6%
Geographic location			
	West Coast	71	45.8%
	Southwest	1	0.6%
	Midwest	13	8.4%
	South and southeast	12	7.7%
	East Coast	55	35.5%

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Not answered	3	1.9%
Live in a state where fertility coverage by insurance is mandated*		
Yes	18	11.6%
No	133	85.8%
Not answered	4	2.6%

\*As of 2018, these states are Arkansas,

Connecticut, Hawaii, Illinois, Louisiana, Maryland, Massachusetts, Montana, New Jersey, New York, Ohio, Rhode

Island, and West Virginia

<b>Table 2. Reproductive characteristics</b>	<b>N</b>	<b>Percentage</b>
Current Partner		
Yes	130	83.9%
No	17	11.0%
Unsure	0	0.0%
Not answered	8	5.2%
Frequency of intercourse		
2-5 times per week	35	22.6%
< 2 times per week but >3 times a month	65	41.9%
<3 times a month	34	21.9%
No intercourse	12	7.7%
Not answered	9	5.8%
Contraception method (select all that apply)		
No contraception	47	30.3%
Cycle awareness / rhythm method	6	3.9%
OCPs	28	18.1%
Patch or ring	6	3.9%
IUD	42	27.1%
Implanon/Nexplanon	3	1.9%
Tubal ligation	0	0.0%
Barrier	21	13.5%
Vasectomy	1	0.6%
Withdrawal	3	1.9%
Other	3	1.9%
Not answered	8	5.2%
Currently trying to conceive		
Have not been trying	107	69.0%
Trying <1 year	26	16.8%
Trying 1-3 years	12	7.7%
Trying >3 years	2	1.3%
Not answered	8	5.2%
Have you or your partner been or are currently pregnant during training?		
Yes	52	33.5%
No	96	61.9%
Not answered	7	4.5%
Do you have a child or are you currently pregnant during training?		

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Yes	49	31.6%
No	98	63.2%
Not answered	8	5.2%
How long did it take to become pregnant? Select all that apply (if multiple pregnancies)		
<6 months	30	19.4%
6-12 months	10	6.5%
1-2 years	5	3.2%
>2 years	5	3.2%
Other	3	1.9%
Not answered or not applicable	106	68.4%
Spontaneous pregnancy? Select all that apply (if multiple pregnancies)		
Yes	37	23.9%
No - oral medications	1	0.6%
No - IUI	0	0.0%
No - IVF	8	5.2%
No - surrogate	2	1.3%
No - other	1	0.6%
Not answered or not applicable	107	69.0%
Outcome of pregnanc(ies) in training. Select all that apply		
Live born - preterm <37 weeks	6	3.9%
Live born - full term 37+ weeks	32	20.6%
Currently pregnant	10	6.5%
Miscarriage or loss <20 wks	14	9.0%
Intrauterine demise or loss >20 wks	0	0.0%
Termination	2	1.3%
Neonatal demise	0	0.0%
Other	0	0.0%
Not answered or not applicable	105	67.7%
Have you delayed your childbearing plans due to residency/fellowship training?		
Yes	105	67.7%
No	33	21.3%
Unsure	9	5.8%
Not answered	8	5.2%
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)	39	25.2%
Ultrasound	31	20.0%
Semen analysis	23	14.8%
None	104	67.1%
Other	2	1.3%
Not answered or not applicable	9	5.8%
Have you or your partner considered oocyte or embryo cryopreservation for fertility preservation?		
Yes	44	28.4%
No	93	60.0%
Never heard of thought of it	8	5.2%
Other	3	1.9%

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Not answered or not applicable	7	4.5%
Experienced infertility or RPL?* Select all that apply.		
Yes – infertility	23	14.8%
Yes – recurrent pregnancy loss	5	3.2%
No	86	55.5%
Don't know	12	7.7%
Not applicable	24	15.5%
Not answered	7	4.5%
Experienced infertility or RPL during or prior to training? Select all that apply		
Both in training and prior to training	5	3.2%
During training	21	13.5%
Prior to training	1	0.6%
Not answered or not applicable	128	82.6%

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

<b>Table 3. Infertility medical treatment*</b>	<b>N</b>	<b>Percentage</b>	<b>Percentage** (excluding not answered or not applicable)</b>
Did you and/or your partner go for consultation at a fertility center?			
Yes	21	44.7%	55.3%
No	9	19.1%	23.7%
Other	0	0.0%	0.0%
Not answered or not applicable	9	19.1%	
What was the cause of infertility? Select all that apply.			
Diminished ovarian reserve	2	4.3%	6.3%
Endometriosis	1	2.1%	3.1%
Male factor	3	6.4%	9.4%
Ovulatory dysfunction including PCOS	4	8.5%	12.5%
Recurrent pregnancy loss	3	6.4%	9.4%
Tubal	0	0.0%	0.0%
Uterine	1	2.1%	3.1%
Unexplained	10	21.3%	31.3%
Other	3	6.4%	9.4%
Not answered or not applicable	15	31.9%	
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	3	6.4%	17.6%
Don't have time	1	2.1%	5.9%
Cannot afford	2	4.3%	11.8%
Hoping I won't need it	6	12.8%	35.3%
Other	1	2.1%	5.9%
Not answered or not applicable	30	63.8%	



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Have you or your partner completed or are currently preparing for a stimulation cycle? Select all that apply.			
Yes – IVF for infertility/RPL	10	21.3%	34.5%
Yes – IVF for oocyte cryopreservation	0	0.0%	0.0%
Yes – IVF for embryo cryopreservation	3	6.4%	10.3%
Yes – IUI	6	12.8%	20.7%
Yes – oral medications	6	12.8%	20.7%
No	5	10.6%	17.2%
Not answered or not applicable	18	38.3%	
[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	0	0.0%	0.0%
Not interested at this time	1	2.1%	9.1%
Other	2	4.3%	18.2%
Not answered or not applicable	36	76.6%	
Where did you or your partner receive infertility or fertility preservation treatment? Select all that apply.			
University clinic	12	25.5%	50.0%
Private clinic	4	8.5%	16.7%
Same hospital I work at	5	10.6%	20.8%
Other	1	2.1%	4.2%
Not answered or not applicable	23	48.9%	
Number of IVF cycles completed			
Currently planning or in process	0	0.0%	0.0%
1	6	12.8%	31.6%
2	4	8.5%	21.1%
3	0	0.0%	0.0%
4	0	0.0%	0.0%
5 or greater	1	2.1%	5.3%
Not answered or not applicable	28	59.6%	
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	5	10.6%	35.7%
4	0	0.0%	0.0%
5 or greater	1	2.1%	7.1%
Not answered or not applicable	33	70.2%	
What was the outcome of your fertility treatment? Select all that apply			

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Pregnant	7	14.9%	30.4%
Not pregnant	9	19.1%	39.1%
Froze oocytes	0	0.0%	0.0%
Froze embryos	4	8.5%	17.4%
Cycle canceled	0	0.0%	0.0%
Currently in cycle	1	2.1%	4.3%
Other	2	4.3%	8.7%
Not answered or not applicable	24	51.1%	
What was your satisfaction with the process of IVF for infertility? [1=not satisfied at all, 5=extremely satisfied]			
Average (Stdev)	4.2 (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)	3.8 (1.9)		
What was your satisfaction with the process of IUI for infertility? [1=not satisfied at all, 5=extremely satisfied]			
Average (Stdev)	1.8 (1.0)		
Are/were you able to afford the infertility treatment you need(ed)? Select all that apply.			
No - unable to afford	2	4.3%	8.7%
Yes, my salary was sufficient to support the costs	3	6.4%	13.0%
My partner's salary helped to support the costs	5	10.6%	21.7%
My parents/friends helped to support the costs	1	2.1%	4.3%
My or partner's insurance helped to support the costs	13	27.7%	56.5%
Other	0	0.0%	0.0%
Not answered or not applicable	24	51.1%	
What have been your out of pocket costs to date for infertility?			
<\$1000	0	0.0%	0.0%
\$1000-<\$5000	1	2.1%	10.0%
\$5000-<\$10,000	0	0.0%	0.0%
\$10,000-<\$20,000	0	0.0%	0.0%
>\$20,000	1	2.1%	10.0%
Not answered or not applicable	37	78.7%	
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	4.3%	20.0%
Don't know	0	0.0%	0.0%
Not answered or not applicable	37	78.7%	
Did you have insurance coverage for IVF for infertility?			
Yes	8	17.0%	47.1%
Partial	0	0.0%	0.0%
No	1	2.1%	5.9%
Not answered or not applicable	30	63.8%	

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applicable			
Did you have insurance coverage for IUI?			
Yes	4	8.5%	28.6%
Partial	1	2.1%	7.1%
No	1	2.1%	7.1%
Not answered or not applicable	33	70.2%	

\* Respondents who answered yes or don't know to "experienced infertility or RPL in training," N = 39

\*\*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	46.8%	55.0%
No	17	36.2%	42.5%
Other	1	2.1%	2.5%
Not answered or not applicable	7	14.9%	
[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	8	17.0%	61.5%
Lack of insurance	4	8.5%	30.8%
No current partner	3	6.4%	23.1%
Lack of time/flexibility	7	14.9%	53.8%
Not interested at this time	3	6.4%	23.1%
Other	3	6.4%	23.1%
Not answered or not applicable	34	72.3%	
Have you or your partner completed or are currently preparing for a stimulation cycle? Select all that apply.			
Yes – IVF for infertility/RPL	6	12.8%	26.1%
Yes – IVF for oocyte cryopreservation	7	14.9%	30.4%
Yes – IVF for embryo cryopreservation	4	8.5%	17.4%
Yes – IUI	2	4.3%	8.7%
Yes – oral medications	2	4.3%	8.7%
No	7	14.9%	30.4%
Not answered or not applicable	24	51.1%	
[If no to above] Why did you decide not to pursue oocyte or embryo cryopreservation after consultation? Select all that apply.			
Financial reasons	8	17.0%	61.5%
Lack of insurance	4	8.5%	30.8%
No current partner	3	6.4%	23.1%
Lack of time/flexibility	7	14.9%	53.8%

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	Not interested at this time	3	6.4%	23.1%
	Other	3	6.4%	23.1%
	Not answered or not applicable	34	72.3%	
Where did you or your partner receive infertility or fertility preservation treatment? Select all that apply.				
	University clinic	14	29.8%	87.5%
	Private clinic	2	4.3%	12.5%
	Same hospital I work at	4	8.5%	25.0%
	Other	1	2.1%	6.3%
	Not answered or not applicable	31	66.0%	
Number of IVF cycles completed				
	Currently planning or in process	1	2.1%	6.7%
	1	8	17.0%	53.3%
	2	5	10.6%	33.3%
	3	1	2.1%	6.7%
	4	0	0.0%	0.0%
	5 or greater	0	0.0%	0.0%
	Not answered or not applicable	32	68.1%	
What was the outcome of your fertility treatment? Select all that apply				
	Pregnant	4	8.5%	26.7%
	Not pregnant	4	8.5%	26.7%
	Froze oocytes	6	12.8%	40.0%
	Froze embryos	5	10.6%	33.3%
	Cycle canceled	0	0.0%	0.0%
	Currently in cycle	1	2.1%	6.7%
	Other	0	0.0%	0.0%
	Not answered or not applicable	32	68.1%	
What was your satisfaction with the process of egg or embryo cryo? [1=not satisfied at all, 5=extremely satisfied]				
	Average (Stdev)	4.0 (0.9)		
What was your satisfaction with the numbers of eggs or embryos that you were able to cryopreserve or retrieve (per IVF cycle)?				
	Average (Stdev)	3.0 (1.2)		
Are/were you able to afford the infertility treatment you need(ed)? Select all that apply.				
	No - unable to afford	3	6.4%	20.0%
	Yes, my salary was sufficient to support the costs	6	12.8%	40.0%
	My partner's salary helped to support the costs	2	4.3%	13.3%
	My parents/friends helped to support the costs	2	4.3%	13.3%
	My or partner's insurance helped to support the costs	8	17.0%	53.3%
	Other	3	6.4%	20.0%
	Not answered or not applicable	32	68.1%	

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applicable			
What have been your out of pocket costs to date for infertility?			
<\$1000	0	0.0%	0.0%
\$1000-<\$5000	2	4.3%	66.7%
\$5000-<\$10,000	0	0.0%	0.0%
\$10,000-<\$20,000	0	0.0%	0.0%
>\$20,000	1	2.1%	33.3%
Not answered or not applicable	44	93.6%	
Did you get any discounts at the facility as a courtesy for being a resident or fellow?			
Yes	2	4.3%	66.7%
No	1	2.1%	33.3%
Don't know	0	0.0%	0.0%
Other	0	0.0%	0.0%
Not answered or not applicable	44	93.6%	
Did you have insurance coverage for oocyte or embryo cryopreservation?			
Yes	3	6.4%	27.3%
Partial	1	2.1%	9.1%
No	7	14.9%	63.6%
Not answered or not applicable	36	76.6%	
Do you plan to delay your childbearing because of the ability to perform oocyte or embryo cryopreservation?			
Yes	3	6.4%	27.3%
Maybe	2	4.3%	18.2%
No	6	12.8%	54.5%
Not answered or not applicable	36	76.6%	

\* Respondents who answered yes or other to "considered oocyte or embryo cryopreservation" N = 47

\*\* 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.

<b>Table 5. Infertility experience during training</b>	<b>N</b>	<b>Percentage</b>	<b>Percentage* (excluding not answered or not applicable)</b>
Did your colleagues and/or program know about your struggles with infertility or desire for fertility preservation?			
Yes (only colleagues)	10	6.5%	16.1%
Yes (only program administration)	2	1.3%	3.2%
Yes (both colleagues and program administration)	8	5.2%	12.9%
No	37	23.9%	59.7%
Other	5	3.2%	8.1%
Not answered or not applicable	93	60.0%	
Did you feel stigmatized by your colleagues and/or friends for having an issue with infertility or for desiring fertility preservation?			
Yes	3	1.9%	12.5%

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	No	18	11.6%	75.0%
	Other	3	1.9%	12.5%
	Not answered or not applicable	131	84.5%	
Were your residency program administrators supportive?				
	Very supportive	12	7.7%	20.3%
	Somewhat supportive	4	2.6%	6.8%
	Minimally supportive	1	0.6%	1.7%
	Not supportive	0	0.0%	0.0%
	Unaware of treatment	40	25.8%	67.8%
	Other	2	1.3%	3.4%
	Not answered or not applicable	96	61.9%	
Were your residency program colleagues supportive?				
	Very supportive	19	12.3%	32.2%
	Somewhat supportive	2	1.3%	3.4%
	Minimally supportive	1	0.6%	1.7%
	Not supportive	0	0.0%	0.0%
	Unaware of treatment	34	21.9%	57.6%
	Other	3	1.9%	5.1%
	Not answered or not applicable	96	61.9%	
Did your work schedule allow you to go through fertility treatment?				
	Yes, with no difficulty	5	3.2%	8.2%
	Yes, with some difficulty	13	8.4%	21.3%
	Yes, with great difficulty	6	3.9%	9.8%
	No, it was not possible for me to make the appointments	4	2.6%	6.6%
	Not applicable, did not seek treatment or not treated during training	29	18.7%	47.5%
	Other	4	2.6%	6.6%
	Not answered or not applicable	94	60.6%	
A trainee discount would help with the costs of undergoing assisted reproductive technologies during training.				
	Strongly agree	114	73.5%	81.4%
	Somewhat agree	17	11.0%	12.1%
	Indifferent	5	3.2%	3.6%
	Somewhat disagree	0	0.0%	0.0%
	Strongly disagree	0	0.0%	0.0%
	No opinion	4	2.6%	2.9%
	Not answered or not applicable	15	9.7%	
In your opinion, what is the biggest barrier to pursuing fertility treatments while in training?				
	Time	54	34.8%	38.6%
	Money	60	38.7%	42.9%
	Lack of information	5	3.2%	3.6%

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Lack of partner	1	0.6%	0.7%
Emotional reasons	2	1.3%	1.4%
Geographical reasons (i.e. partner in different location)	1	0.6%	0.7%
Other	8	5.2%	5.7%
No opinion	9	5.8%	6.4%
Not answered or not applicable	15	9.7%	

*\*Excluding not answered or not applicable*