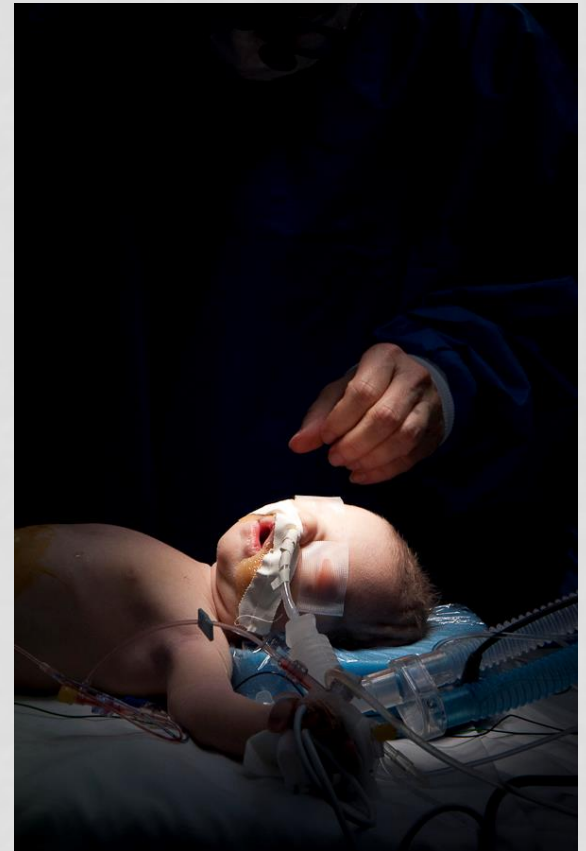




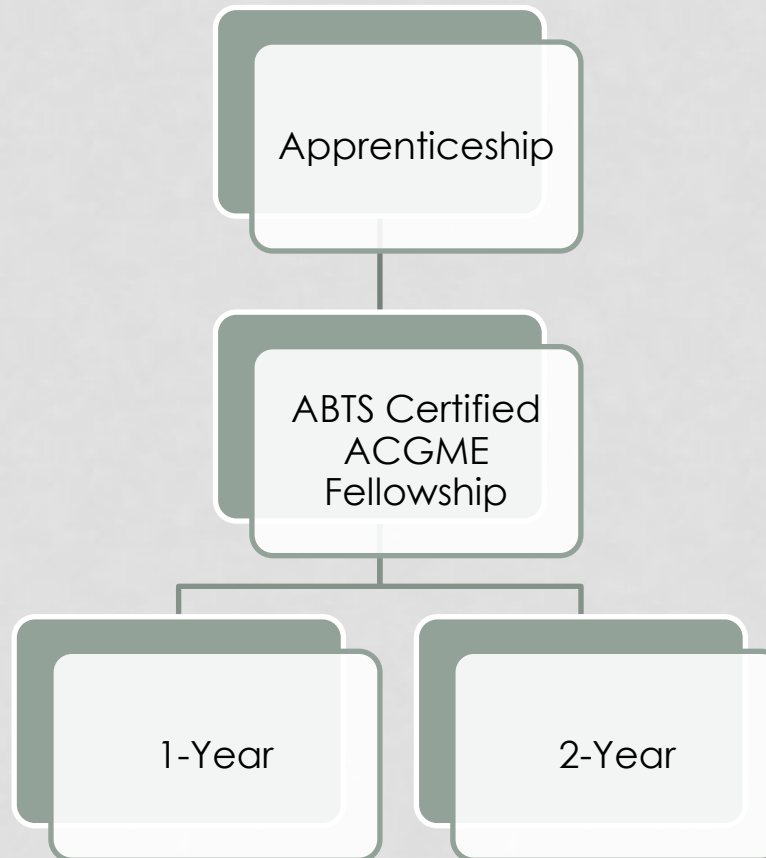
THORACIC SURGERY  
DIRECTORS ASSOCIATION

## TSDA Congenital Update January 26, 2024

Stephanie Fuller, MD, MS



# TRAINING PARADIGM



# CONGENITAL HEART PROGRAMS

Children's Hospital of Philadelphia, University of Pennsylvania	Philadelphia, PA	Stephanie Fuller, MD, MS
Texas Children's Hospital, Baylor College of Medicine	Houston, TX	E. Dean Mackenzie, MD
Children's Hospital of Los Angeles, University of Southern California	Los Angeles, CA	Cynthia S. Herrington, MD
Cincinnati Children's Hospital	Cincinnati, OH	David Morales, MD
Children's Hospital Boston, Massachusetts General Hospital	Boston, MA	Francis Fynn-Thompson, MD
Cleveland Clinic Foundation	Cleveland, OH	Tara Karamlou, MD, MSc
Duke University	Durham, NC	Joseph S. Turek, MD, PhD
Emory University School of Medicine	Atlanta, GA	Subhadra Shashidharan, MD
Ann and Robert H. Lurie Children's Hospital, Northwestern University	Chicago, IL	Michael Monge, MD
Stanford University	Stanford, CA	Richard Mainwaring, MD
University of Colorado	Denver, CO	James Jagers, MD
University of Kansas School of Medicine	Kansas City, MO	James E. O'Brien, MD
University of Michigan	Ann Arbor, MI	Vik Sood, MD
University of Washington	Seattle, WA	Mike McMullan, MD
Washington University	St. Louis, MO	Pirooz Eghtesady, MD, PhD
Columbia NY Presbyterian	New York, NY	Emile Bacha, MD
University of Pittsburgh	Pittsburgh, PA	Victor Morell, MD

# **2023 FELLOWSHIP MATCH**

## **CONGENITAL CARDIAC SURGERY**

Programs Participating	8
Programs Withdrawing	2
Positions Offered	6
Positions Filled	4
Positions Remaining	3
Applicants Registered	9
Applicants Withdrawn	1
Applicants Participating	8
Applicants Matched	4

## REPORT

# Report of the 2022 Society of Thoracic Surgeons Congenital Heart Surgery Practice Survey



Elizabeth H. Stephens, MD, PhD,<sup>1</sup> James D. St. Louis, MD,<sup>2</sup> Robert D. B. Jaquiss, MD,<sup>3</sup> Eric N. Feins, MD,<sup>4</sup> Lauren C. Kane, MD,<sup>5</sup> Kristine J. Guleserian, MD,<sup>6</sup> Ming-Sing M. Si, MD,<sup>7</sup> Robert J. Dabal, MD,<sup>8</sup> Mahesh S. Sharma, MD,<sup>9</sup> James J. Gangemi, MD,<sup>10</sup> Minoo N. Kavarana, MD,<sup>11</sup> S. Ram Kumar, MD, PhD,<sup>12</sup> Damien J. LaPar, MD, MS,<sup>13</sup> and Stephanie Fuller, MD, MS<sup>14</sup>

## Working Toward Solutions for Gender Disparity: Implications of the 2022 Congenital Workforce Survey

Elizabeth H. Stephens, MD, PhD,<sup>1</sup> Jennifer C. Romano, MD, MS,<sup>2</sup> Tara Karamliou, MD, MSc,<sup>3</sup> Sharonne N. Hayes, MD,<sup>4</sup> Colleen E. Bontrager, BA,<sup>5</sup> David M. Overman, MD,<sup>6</sup> and Stephanie M. Fuller, MD, MS<sup>5</sup>

## Workforce and Training Implications of the 2022 Congenital Heart Surgery Practice Survey



Elizabeth H. Stephens, MD, PhD,<sup>1</sup> Jennifer C. Romano, MD, MS,<sup>2</sup> Andrea J. Carpenter, MD, PhD,<sup>3</sup> Stephen C. Yang, MD,<sup>4</sup> Damien J. LaPar, MD, MSc,<sup>5</sup> and Stephanie Fuller, MD, MS<sup>6</sup>

In 2015, 347 potential congenital surgeons identified:

- 213 (68.2%) respondents
- 177 (83%) practicing



312 Unique  
Contacts

201 (64.4%)  
Respondents

189 (89%)  
Practicing

# CHARACTERISTICS OF PRACTICING SURGEONS

52

- Median Age (y) (43, 59)

157

- 88.2% Male

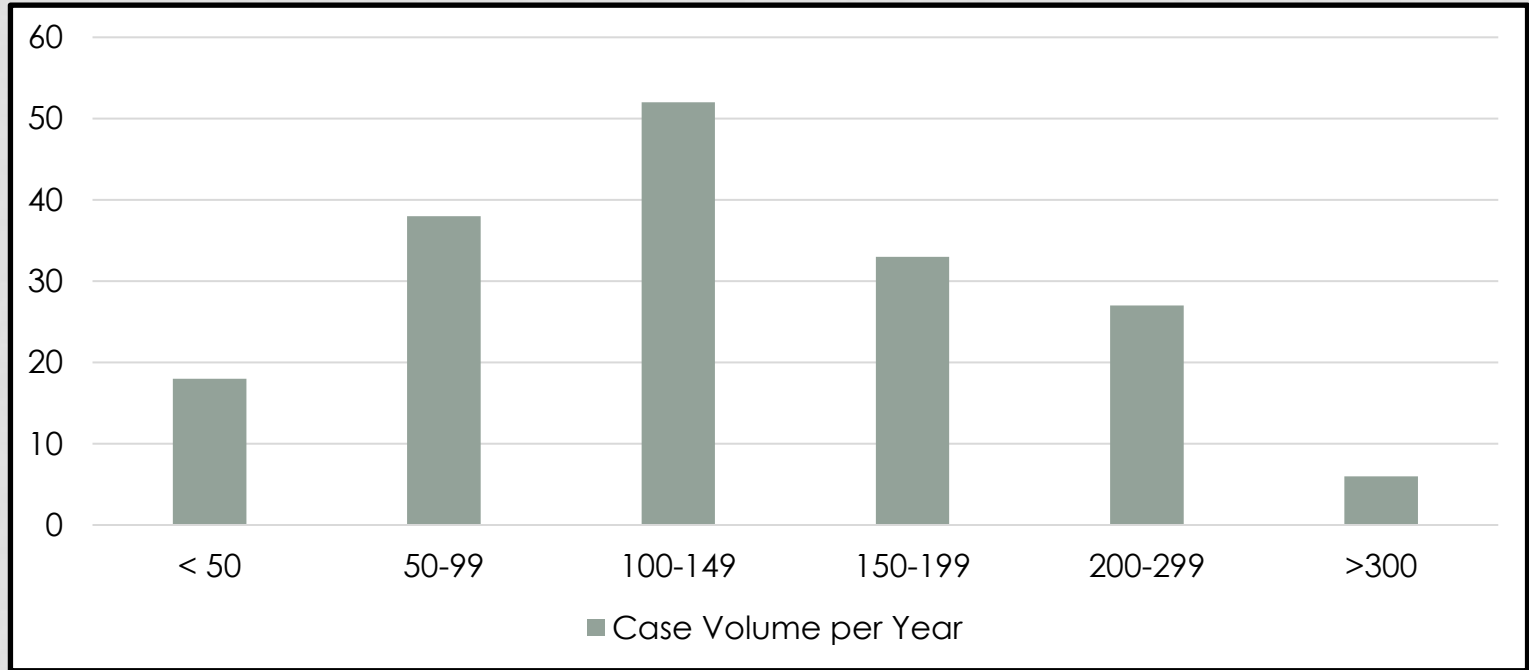
15

- Median practice duration (y) (6, 23)

2

- Median number of jobs (1,4)

## Case Volume n = 174

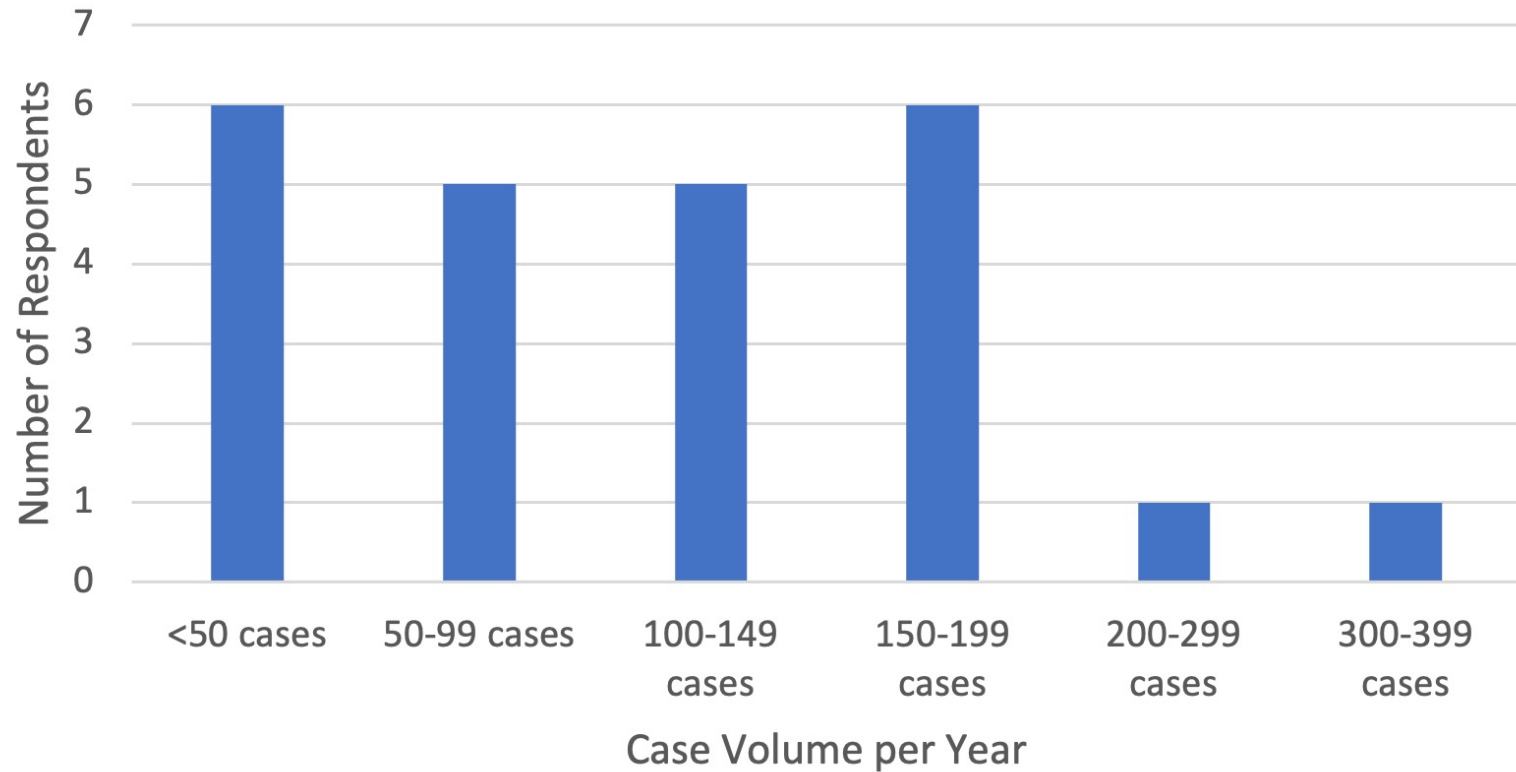




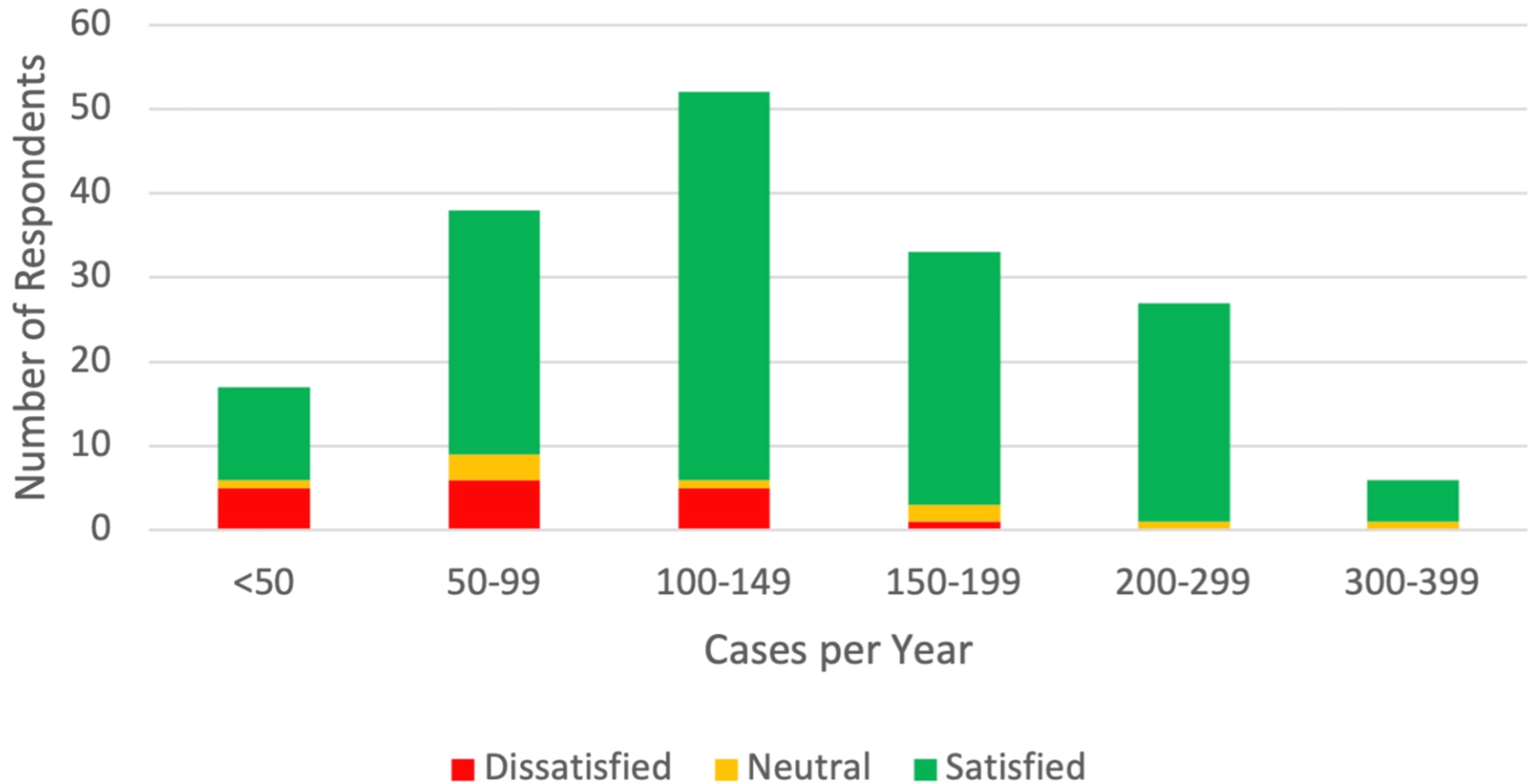
## Early Surgeon Case Volume (<3 Years In Practice) (n = 24)

22% had a primary role as assistant

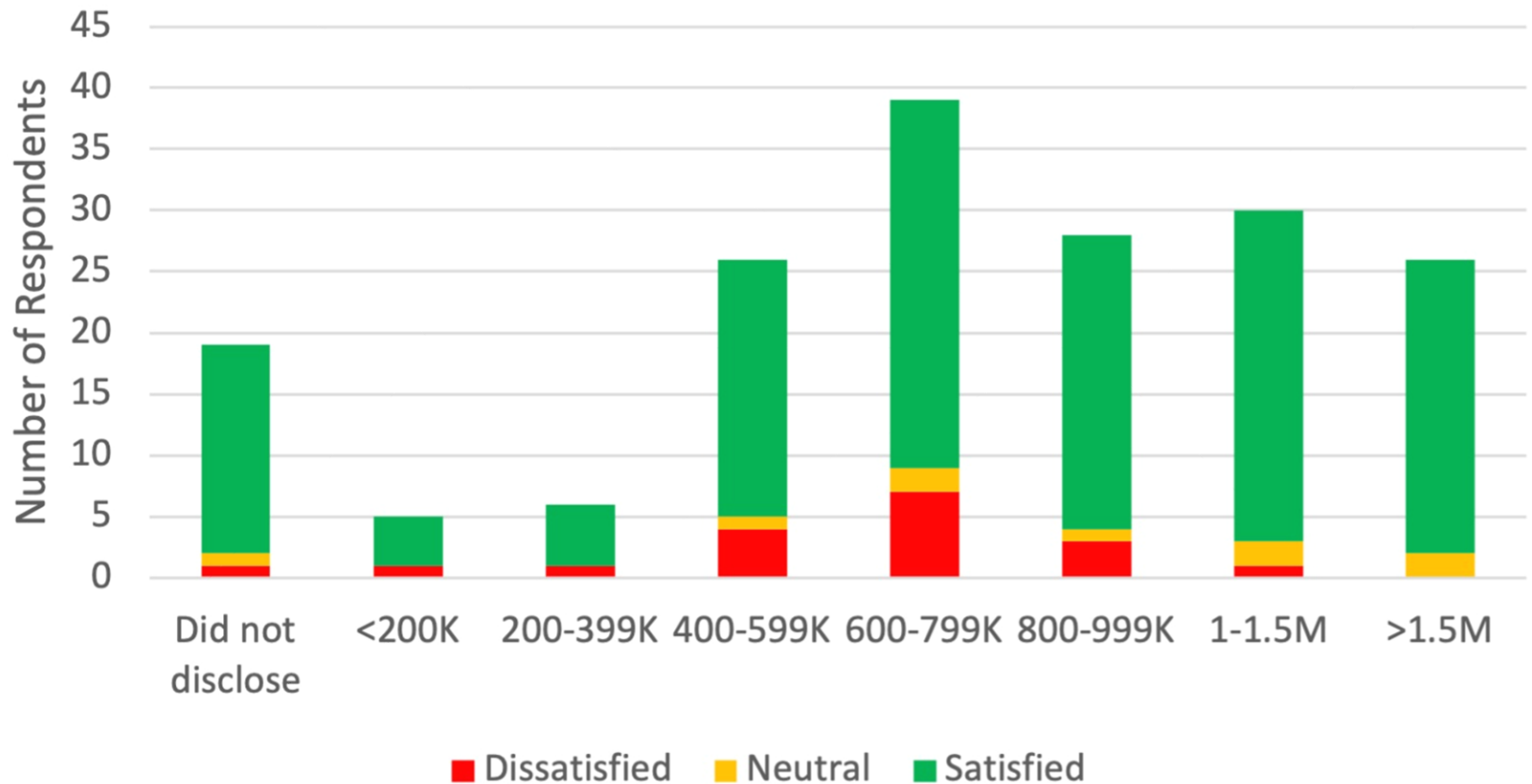
### Early Career Surgeons' Case Volumes



## Case Volume and Satisfaction



## Income and Career Satisfaction



# Characteristics Associated with Dissatisfaction

		Satisfied (n=150)	Dissatisfied (n=18)	p-value
<b>Age (years)</b>		52±10	46±5	0.010
<b>Gender</b>				0.007
	Female	13 (68%)	6 (32%)	
	Male	135 (92%)	12 (8%)	
<b>Years in practice</b>		16±11	10±7	0.012
<b>Academic Rank</b>				0.089
	Assistant	40 (27%)*	10 (56%)*	
	Associate	37 (25%)	2 (11%)	
	Full Professor	63 (42%)	4 (22%)	
<b>Salary satisfaction</b>				0.001
	Somewhat dissatisfied	13 (9%)*	6 (33%)*	
<b>Case mix and caseload</b>				
	Not doing STAT4/5	12 (8%)	4 (22%)	0.111
	Case volume <50/year	30 (20%)*	8 (44%)*	0.034
	Case volume too small	58 (39%)*	13 (72%)*	0.026
	Case volume declining	33 (22%)*	11 (61%)*	0.003
	Charity cases	89 (59%)*	4 (22%)*	0.010
<b>Society and Research involvement</b>				
	Attend 1 mtg/year^	30 (20%)*	9 (50%)*	0.077
	CHSS members	79 (53%)*	3 (17%)*	0.004
	AATS members	80 (49%)*	2 (11%)*	<0.001
	Not performing research	6 (4%)*	3 (17%)*	0.024

## Features of Dissatisfied Surgeons

Younger

In practice shorter duration

Female

Lower academic rank

Dissatisfied with salary

Not doing STAT4/5

Case volume <50/year

Case load "too small" and declining

Not doing charity cases

Attending less meetings

Not CHSS or AATS members

Not doing research

# COMPARISON TO PREVIOUS SURVEYS

## Key Results in Comparison to Previous Surveys

Variable	2005 (n=217)	2010 (n=213)	2015 (n=177)	2022 (n=178)
<b>Age (years)</b>	48±8	49±9	51±9	52±10
<b>Female (%)</b>	5%	6%	7%	11%
<b>Duration in current practice (years)</b>	10±8	9±9	10±9	9±9
<b>Years until retirement (years)</b>	16±8	16±8	15±9	15±9
<b>Surgeons planning to retire &lt;5 years (n, %)</b>	25 (12%)	28 (13%)	31 (18%)	30 (17%)

