

TSDA Update

May 9, 2009

TSRA THORACIC SURGERY
RESIDENTS ASSOCIATION

Initiatives

1. 2009 In Training Exam Survey
2. International Effort
3. Advanced Training Database

In Training Exam Survey

- Workforce survey administered during the In Training Exam
- First Administered in 2004 with longitudinal data gathered since 2007
- 2009 Survey
 - 267 Thoracic Surgery Residents and Advanced Training Fellows
 - 100% capture

Preliminary Survey Results - Demographics

- Citizenship status

	<u>2007</u>	<u>2008</u>	<u>2009</u>
US Citizen	74%	72%	74%
Not Citizen, Eligible	18%	18%	17%
Not Citizen, Not Eligible 9%	10%	9%	

Preliminary Survey Results - Demographics

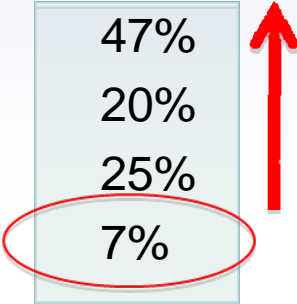
- **Education Related Debt**

	<u>2007</u>	<u>2008</u>	<u>2009</u>
None	31%	29%	29%
Less than \$50,000	15%	14%	15%
\$50,001-\$100,000	17%	16%	15%
\$100,001 - \$150,000	17%	16%	14%
\$150,001 - \$200,000	12%	15%	14% (38)
More than \$200,000	8%	11%	13% (35)

Preliminary Survey Results - Workforce

- If you will graduate this year from CT residency, how many job interviews have you had to date

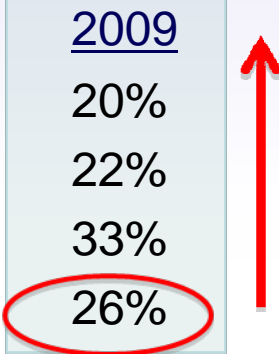
	<u>2007</u>	<u>2008</u>	<u>2009</u>
- 3 or more	40%	34%	47%
- 2	19%	22%	20%
- 1	17%	24%	25%
- 0	21%	20%	7%



Preliminary Survey Results - Workforce

- If you will graduate this year from CT residency, how many job offers have you had to date

	<u>2007</u>	<u>2008</u>	<u>2009</u>
- 3 or more	23%	13%	20%
- 2	18%	20%	22%
- 1	23%	30%	33%
- 0	35%	38%	26%



Preliminary Survey Results - Workforce

- Type of Position Accepted

	<u>2007</u>	<u>2008</u>	<u>2009</u>
Private practice - mixed cardiac/thoracic	2%	17%	12%
Private practice - general thoracic	5%	4%	10%
Private practice - adult cardiac	5%	4%	7%
Academic practice - mixed cardiac/thoracic	3%	5%	3%
Academic practice - general thoracic	13%	12%	11%
Academic practice - adult cardiac	13%	10%	13%
Congenital Heart Surgery	2%	0%	3%
Additional training / Fellowship		13%	15%
Still looking for a position	58%	36%	27%



Preliminary Survey Results - Environment

- “I would recommend CT surgery to potential trainees?”

	<u>2007</u>	<u>2008</u>	<u>2009</u>
Strongly agree	19%	22%	22%
Agree	44%	48%	37%
Disagree	20%	16%	9%
Strongly disagree	13%	4%	6%
No opinion	3%	9%	26%

- Do you feel you are being adequately trained in your program?

Yes	85%	79%
No	15%	21%

Preliminary Survey Results

Simulator Education

- How frequently does your program utilize simulator training?

Very Frequently	<1%
Frequently	<1%
Occasionally	20%
Rarely	26%
Never	53%

Preliminary Survey Results

Simulator Education

- Do you feel your program's simulator training is an effective teaching modality?

Yes	27%
Somewhat	23%
No	50%

Preliminary Survey Results

Simulator Education

- Would you be interested in attending a simulator-based educational event in the future?

Yes	76%
Maybe	13%
No	11%

Preliminary Survey Results

Net Based Education

- On average, how often do you utilize the TSDA Weekly Curricula?

weekly	15%
twice/month	16%
once/month	23%
< once/month	32%
Never	14%

Preliminary Survey Results

Net Based Education

- Does your training program use the TSDA weekly curricula as a guideline for conferences or mentored didactic sessions?

Always	16%
Frequently	19%
Rarely	20%
Never	33%
Not Sure	12%

Preliminary Survey Results

Net Based Education

- The TSDA Weekly Curricula is a useful study guide to support my clinical training

Strongly Agree	15%
Agree	43%
Neutral	32%
Disagree	6%
Strongly Disagree	4%

Preliminary Survey Results

Training Environment

- Impact of 80-hour work week on CT training

	<u>2008</u>	<u>2009</u>
– Very Positive	9%	4%
– Positive	38%	22%
– No Impact	20%	43%
– Negative	23%	26%
– Very Negative	3%	5%

Preliminary Survey Results - Workforce

- At what point did you decide to choose a career in cardiothoracic surgery?

	<u>2009</u>
Pre Medical School	18%
Medical School	33%
Clinical Yrs 1 – 2	15%
Clinical Yrs 3 – 4	27%
Research	3%
Other	4%

Preliminary Survey Results

Training Environment

- Do you feel that an integrated thoracic training program is necessary to better train future cardiothoracic surgery candidates?

Yes 56%

No 44%

- Survey results and resident comments located on TSDA website under in-service training exam link
- JCTSE regarding mentor attributes and educational requirements

International Effort

- ***TSDA sponsored***
- Development of an International Thoracic Surgery Residents Association
- Position in EACTS
 - Joint Council for Education
 - Surgical Training and Manpower Committee
- Module based
 - The Intercollegiate Surgical Curriculum (UK)
 - 3 phases of training – 6 year duration
 - Standardize training in European Union

Database of Advanced Training Opportunities

- TSRA initiative to catalog all advanced training opportunities in cardiac and thoracic surgery
 - Research, Endovascular, Robotics, Advanced Thoracic (VATS/Bronchoscopic), Aortic, Congenital, Valve Repair, VAD/Transplant, Minimally Invasive Surgery
- Located at tsranet.org under residency programs
- Expanded training opportunities
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