The 2020 AST Education Needs Assessment Survey was distributed to all AST members from February 6 to March 6, 2020. The survey included a topical specialty section based on each of AST’s Communities of Practice (COP).

165 participants began the “Transplant Administration and Quality Management” specialty section and 147 completed the section. A breakdown of the information gathered from these participants is provided in this report.

I. “Transplant Administration and Quality Management” Specialty Section Participants

Role of Participants:

Participants were asked, “Which best describes you? (please choose one).” Based on the 165 participants who started the TxAQM COP specialty section, the chart below outlines the roles that were represented (results from all participants in the survey are provided for comparison).

<table>
<thead>
<tr>
<th>Role</th>
<th>Specialty Participants</th>
<th>Overall Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physician/Primarily Research</td>
<td>5 (3.0%)</td>
<td>65 (8.7%)</td>
</tr>
<tr>
<td>Physician/Primarily Clinical</td>
<td>69 (41.8%)</td>
<td>316 (42.4%)</td>
</tr>
<tr>
<td>Surgeon/Primarily Research</td>
<td>0</td>
<td>12 (1.6%)</td>
</tr>
<tr>
<td>Surgeon/Primarily Clinical</td>
<td>14 (8.5%)</td>
<td>45 (6.0%)</td>
</tr>
<tr>
<td>Administrator</td>
<td>25 (15.2%)</td>
<td>34 (4.6%)</td>
</tr>
<tr>
<td>Advanced Practice Provider</td>
<td>10 (6.1%)</td>
<td>43 (5.8%)</td>
</tr>
<tr>
<td>Histocompatibility Specialist</td>
<td>5 (3.0%)</td>
<td>23 (3.1%)</td>
</tr>
<tr>
<td>Nurse/Transplant Coordinator</td>
<td>7 (4.2%)</td>
<td>16 (2.1%)</td>
</tr>
<tr>
<td>Pharmacist</td>
<td>17 (10.3%)</td>
<td>104 (14.0%)</td>
</tr>
<tr>
<td>Psychologist/Psychiatrist</td>
<td>0</td>
<td>12 (1.6%)</td>
</tr>
<tr>
<td>Social Worker</td>
<td>5 (3.0%)</td>
<td>19 (2.6%)</td>
</tr>
<tr>
<td>Researcher/Scientist</td>
<td>2 (1.2%)</td>
<td>37 (5.0%)</td>
</tr>
<tr>
<td>Other</td>
<td>6 (3.6%)</td>
<td>19 (2.6%)</td>
</tr>
</tbody>
</table>
Affiliation of Participants:

Participants were asked what is their "Affiliation (please choose one.)" Based on the 165 participants who started the TxAQM COP specialty section, the chart below outlines the affiliations that were represented (results from all participants in the survey are provided for comparison).

<table>
<thead>
<tr>
<th>Affiliation</th>
<th>Specialty Participants</th>
<th>Overall Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic</td>
<td>78 (47.3%)</td>
<td>427 (57.3%)</td>
</tr>
<tr>
<td>Government or Military</td>
<td>1 (0.6%)</td>
<td>9 (1.2%)</td>
</tr>
<tr>
<td>Hospital</td>
<td>68 (41.2%)</td>
<td>256 (34.4%)</td>
</tr>
<tr>
<td>Industry</td>
<td>3 (1.8%)</td>
<td>16 (2.1%)</td>
</tr>
<tr>
<td>Organ Procurement Organization</td>
<td>5 (3.0%)</td>
<td>15 (2.0%)</td>
</tr>
<tr>
<td>Stand-alone Private Practice</td>
<td>5 (3.0%)</td>
<td>13 (1.7%)</td>
</tr>
<tr>
<td>Other</td>
<td>5 (3.0%)</td>
<td>9 (1.2%)</td>
</tr>
</tbody>
</table>

Experience Level of Participants:

Participants were asked to “Please enter your level of experience/years in practice.” Based on the 165 participants who started the TxAQM COP specialty section, the chart below outlines the levels of experience that were represented (results from all participants in the survey are provided for comparison).

<table>
<thead>
<tr>
<th>Level of Experience</th>
<th>Specialty Participants</th>
<th>Overall Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not yet in training</td>
<td>1 (0.6%)</td>
<td>5 (0.7%)</td>
</tr>
<tr>
<td>In training (resident)</td>
<td>3 (1.8%)</td>
<td>16 (2.1%)</td>
</tr>
<tr>
<td>In training (fellow)</td>
<td>5 (3.0%)</td>
<td>46 (6.2%)</td>
</tr>
<tr>
<td>&lt;5 years</td>
<td>34 (20.6%)</td>
<td>182 (24.4%)</td>
</tr>
<tr>
<td>6-10 years</td>
<td>38 (23.0%)</td>
<td>147 (19.7%)</td>
</tr>
<tr>
<td>11-15 years</td>
<td>35 (21.2%)</td>
<td>123 (16.5%)</td>
</tr>
<tr>
<td>16-20 years</td>
<td>20 (12.1%)</td>
<td>81 (10.9%)</td>
</tr>
<tr>
<td>21+ years</td>
<td>29 (17.6%)</td>
<td>145 (19.7%)</td>
</tr>
</tbody>
</table>
II. TxAQM COP’s “Transplant Administration and Quality Management” Specialty Section Data

A list of important and timely topics was created for the 2020 Needs Assessment Survey specialty sections by TxAQM COP Leadership and the AST Education Committee. Participants were asked to “Rate each educational topic’s importance to you” as either 1) “Not interested,” 2) “Interested but have sufficient knowledge” or 3) “Interested & want/need to learn more.”

Here are the results from the 147 participants who completed this specialty section.

TxAQM COP Specialty Topics – Overall Ranking: The topic list has been ranked below based on a weighted mean score of up to 3.0, with “Interested & want/need to learn more” weighted highest, “Interested but have sufficient knowledge” weighted next highest, and “Not interested” weighted lowest (out of 147 results).

1. Data: Performance Measures - Ensuring Meaningful Data - 2.75
2. Data: Outcomes Management and Data Integrity - 2.73
3. Quality: Evaluating your Transplant Center’s Quality Programs - 2.71
4. Admin: Habits of a successful leader - fostering team engagement - 2.67
5. (Tied) Patient: Use of technology in patient care - 2.65
   (Tied) Quality: Building and Implementing a Transplant QAPI Plan - 2.65
   (Tied) Patient: Strategies to improve recipient readiness and reduce disparities - 2.65
6. Quality: Transplant Regulatory Framework - Staying on Top of Regulations - 2.62
7. Data: Understanding SRTR - 2.56
8. Data: The Final Rule - 2.55
10. Data: CUSUM & Bayesian Charts - 2.51
11. Admin: OPO & Transplant Center Collaborations - 2.47
12. (Tied) Admin: Transplant Center Cost Report - 2.46
   (Tied) Patient: Maintaining Staff Competence - 2.46
15. Quality: Survey Survival - 2.38
16. Admin: Optimizing a transplant program’s financial statement - 2.37
17. (Tied) Patient: Financial Issues in Living Donation - 2.34
   (Tied) Patient: What makes for a Successful living donor program - 2.34
18. Admin: Marketing and Outreach - 2.31
   (Tied) Quality: Understanding and Implementing the ILDA Role - 2.23
20. Patient: Finances of KPD - 2.15
22. Admin: OPO Finance - 1.94

Top Admin Result:
Admin: Habits of a successful leader - fostering team engagement - 2.67

Top Data Result:
Data: Performance Measures - Ensuring Meaningful Data - 2.75

Top Patient Result: (Tied)
Patient: Use of technology in patient care - 2.65
Patient: Strategies to improve recipient readiness and reduce disparities - 2.65

Top Quality Result:
Quality: Evaluating your Transplant Center’s Quality Programs - 2.71
TxAQM COP Specialty Topics – “Interested and want/need to learn more” Only: The topic list has been ranked below based exclusively on the number of “Interested and want/need to learn more” results (out of 147 results).

1. Data: Performance Measures - Ensuring Meaningful Data - 117
2. Data: Outcomes Management and Data Integrity - 115
3. Quality: Evaluating your Transplant Center’s Quality Programs - 113
4. (Tied) Admin: Habits of a successful leader - fostering team engagement - 111
   (Tied) Patient: Use of technology in patient care - 111
5. Quality: Transplant Regulatory Framework - Staying on Top of Regulations - 109
6. (Tied) Patient: Strategies to improve recipient readiness and reduce disparities - 104
   (Tied) Quality: Building and Implementing a Transplant QAPI Plan - 104
7. (Tied) Admin: OPO & Transplant Center Collaborations - 96
   (Tied) Patient: Use of technology in patient care - 111
   (Tied) Admin: Habits of a successful leader - fostering team engagement - 111
8. (Tied) Quality: Building and Implementing a Transplant QAPI Plan - 104
9. (Tied) Quality: Change Management - 96
   (Tied) Admin: OPO & Transplant Center Collaborations - 96
   (Tied) Transplant Center Cost Report - 96
10. Data: CUSUM & Bayesian Charts - 94
11. (Tied) Data: Understanding SRTR - 93
    (Tied) Data: The Final Rule - 93
    (Tied) Admin: The Need for Resources: Approaching Senior Management - 93
12. Patient: Maintaining Staff Competence - 90
13. Admin: Optimizing a transplant program’s financial statement - 88
16. (Tied) Quality: Survey Survival - 84
    (Tied) Admin: Marketing and Outreach - 84
17. Patient: What makes for a Successful living donor program - 83
18. Admin: RFI & Insurance Centers of Excellence, Negotiating Contracts - 78
19. (Tied) Patient: Financial Issues with Ex Vivo Organ Perfusion - 71
20. (Tied) Admin: OPO Finance - 56
21. Quality: Understanding and Implementing the ILDA Role - 70
22. Admin: The Need for Resources: Approaching Senior Management - 93
23. (Tied) Admin: Marketing and Outreach - 84
24. (Tied) Admin: RFI & Insurance Centers of Excellence, Negotiating Contracts - 78
25. (Tied) Patient: Strategies to improve recipient readiness and reduce disparities - 104
26. Top Admin Result:
   Admin: Habits of a successful leader - fostering team engagement – 111
27. Top Data Result:
   Data: Performance Measures - Ensuring Meaningful Data – 117
28. Top Patient Result:
   Patient: Use of technology in patient care – 111
29. Top Quality Result:
   Quality: Evaluating your Transplant Center’s Quality Programs - 113
TxAQM COP Specialty Topics – “Not interested” Only: The following topics received the highest number of “Not interested” results (out of 147 results).

- Admin: OPO Finance: 65
- Admin: Financial Issues with Ex Vivo Organ Perfusion: 54
- Patient: Finances of KPD: 49
- Admin: RFI & Insurance Centers of Excellence, Negotiating Contracts: 44
- Admin: Marketing and Outreach: 38
- Quality: Understanding and Implementing the ILDA Role: 36
- Patient: Financial Issues in Living Donation: 35

TxAQM COP Question on CE: Participants were asked “What types of continuing education credits do you require?” Here are the results.

<table>
<thead>
<tr>
<th>Type of CE</th>
<th>No# of Times Selected</th>
</tr>
</thead>
<tbody>
<tr>
<td>CME credit for physicians (AMA PRA Category 1 Credits)</td>
<td>84</td>
</tr>
<tr>
<td>CEPTC</td>
<td>9</td>
</tr>
<tr>
<td>CEU nurse</td>
<td>24</td>
</tr>
<tr>
<td>ACPE/Pharmacy</td>
<td>18</td>
</tr>
<tr>
<td>Other*</td>
<td>11</td>
</tr>
<tr>
<td>None</td>
<td>15</td>
</tr>
</tbody>
</table>

* Types of CE listed in the “Other” category were: ABHI (3 results), CEU Social Work (2 results), MOC (without additional description, 2 results), FRCPC MOC, MOC for Pediatrics, CCTC, and ANCC/AANP.

Please see the pie charts on the following pages for a topic-by-topic breakdown of participant interest in each topic.

If you have follow-up questions, or would like additional details on a result, please contact the AST Education Program Manager, Brian Valeria (bvaleria@myast.org) for more information.
Admin: Development and Implementation of Solid Policies and Procedures

- Not interested, 16.33%
- Interested but have sufficient knowledge, 24.49%
- Interested & want/need to learn more, 59.18%

Admin: The Need for Resources: Approaching Senior Management

- Not interested, 19.73%
- Interested but have sufficient knowledge, 17.01%
- Interested & want/need to learn more, 63.27%
Admin: OPO & Transplant Center Collaborations

- Not interested, 18.37%
- Interested but have sufficient knowledge, 16.33%
- Interested & want/need to learn more, 65.31%

Admin: OPO Finance

- Not interested, 44.22%
- Interested but have sufficient knowledge, 17.69%
Admin: Optimizing a transplant program’s financial statement

- Interested & want/need to learn more, 59.86%
- Interested but have sufficient knowledge, 17.69%
- Not interested, 22.45%

Admin: Transplant Center Cost Report

- Not interested, 19.05%
- Interested but have sufficient knowledge, 15.65%
- Interested & want/need to learn more, 65.31%
Admin: RFI & Insurance Centers of Excellence, Negotiating Contracts

Not interested, 29.93%
Interested but have sufficient knowledge, 17.01%
Interested & want/need to learn more, 53.06%

Admin: Marketing and Outreach

Not interested, 25.85%
Interested but have sufficient knowledge, 17.01%
Interested & want/need to learn more, 57.14%
Admin: Habits of a successful leader – fostering team engagement

- Interested & want/need to learn more, 75.51%
- Interested but have sufficient knowledge, 15.65%
- Not interested, 8.84%

Admin: Financial Issues with Ex Vivo Organ Perfusion

- Not interested, 36.73%
- Interested but have sufficient knowledge, 14.97%
- Interested & want/need to learn more, 48.30%

 AST
TRANSPANT ADMINISTRATION AND QUALITY MANAGEMENT
COMMUNITY OF PRACTICE
Data: Understanding SRTR

- Not interested, 6.80%
- Interested but have sufficient knowledge, 29.93%
- Interested & want/need to learn more, 63.27%

Data: The Final Rule

- Not interested, 8.16%
- Interested but have sufficient knowledge, 28.57%
- Interested & want/need to learn more, 63.27%
Data: CUSUM & bayesian charts

- Not interested, 12.93%
- Interested but have sufficient knowledge, 23.13%
- Interested & want/need to learn more, 63.95%

Data: Outcomes management and data integrity

- Not interested, 5.44%
- Interested but have sufficient knowledge, 16.33%
- Interested & want/need to learn more, 78.23%
Data: Performance Measures - Ensuring Meaningful Data

- Interested & want/need to learn more, 79.59%
- Interested but have sufficient knowledge, 15.65%
- Not interested, 4.76%
Patient: Strategies to improve recipient readiness and reduce disparities

- Not interested, 6.12%
- Interested but have sufficient knowledge, 23.13%
- Interested & want/need to learn more, 70.75%

Patient: What makes for a successful living donor program

- Not interested, 22.45%
- Interested but have sufficient knowledge, 21.09%
- Interested & want/need to learn more, 56.46%
Patient: Financial Issues in Living Donation

Not interested, 23.81%
Interested but have sufficient knowledge, 18.37%
Interested & want/need to learn more, 57.82%

Patient: Finances of KPD

Not interested, 24.00%
Interested but have sufficient knowledge, 8.00%
Interested & want/need to learn more, 68.00%
**Patient: Use of technology in patient care**

- Not interested, 10.88%
- Interested but have sufficient knowledge, 13.61%
- Interested & want/need to learn more, 75.51%

**Patient: Maintaining Staff Competence**

- Not interested, 14.97%
- Interested but have sufficient knowledge, 23.81%
- Interested & want/need to learn more, 61.22%
Quality: Transplant Regulatory Framework – Staying on Top of Regulations

- Not interested, 12.24%
- Interested but have sufficient knowledge, 13.61%
- Interested & want/need to learn more, 74.15%

Quality: Evaluating your Transplant Center’s Quality Programs

- Not interested, 6.12%
- Interested but have sufficient knowledge, 17.01%
- Interested & want/need to learn more, 76.87%
Quality: Building and Implementing a Transplant QAPI Plan

- Not interested, 6.12%
- Interested but have sufficient knowledge, 23.13%
- Interested & want/need to learn more, 70.75%

Quality: Change Management

- Not interested, 12.24%
- Interested but have sufficient knowledge, 22.45%
- Interested & want/need to learn more, 65.31%
Quality: Understanding and Implementing the ILDA Role

- Not interested, 24.49%
- Interested but have sufficient knowledge, 27.89%
- Interested & want/need to learn more, 47.62%

Quality: Survey Survival

- Not interested, 19.05%
- Interested but have sufficient knowledge, 23.81%
- Interested & want/need to learn more, 57.14%