Understanding public awareness and perceptions of sonographers
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METHODOLOGY

Sample
A nationally representative sample of 846 respondents. Quotas were managed based on age, location, gender and previous exposure to ultrasounds.

Method
Quantitative online panel survey 10 to 15 minutes in length. Analysis was weighted according to age and location. Significant results with a minimum sample size of 30 have been highlighted.

Survey Period
The survey was conducted through a panel provider from February 18th to February 25th 2019.
KEY FINDINGS

1. General awareness of the Sonography profession is reasonably low, although a majority acknowledge that an ultrasound is an important diagnostic healthcare tool.

2. Overall, it is believed that image accuracy is largely dependent on the skill and experience of the Sonographer rather than the quality of the machine. Majority expect the minimum qualification to conduct an ultrasound is a Diploma or Bachelor’s degree.

3. Positively, trust is high in the health and medical industry and Sonographers were rated within the top five most trusted health professionals.

4. Respondents overwhelmingly believe that Sonographers should be regulated, with most citing a less accurate diagnosis and patient safety as their main causes for concern. However, close to half are unaware of the organisation responsible for regulating Australian healthcare professionals. There is strong support for the introduction of regulations for the Sonography profession.

5. While knowledge regarding the lack of professional regulation does not deter individuals from seeking an ultrasound, individuals are more likely to seek a second opinion or question the diagnostic quality of results.
## DEMOGRAPHIC PROFILE

<table>
<thead>
<tr>
<th>Age</th>
<th>%</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-34 years</td>
<td>31%</td>
<td>269</td>
</tr>
<tr>
<td>35-54 years</td>
<td>34%</td>
<td>286</td>
</tr>
<tr>
<td>55-74 years</td>
<td>26%</td>
<td>216</td>
</tr>
<tr>
<td>75+ years</td>
<td>9%</td>
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<table>
<thead>
<tr>
<th>Education</th>
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<tbody>
<tr>
<td>Secondary</td>
<td>30%</td>
<td>254</td>
</tr>
<tr>
<td>Certificate / Diploma</td>
<td>38%</td>
<td>319</td>
</tr>
<tr>
<td>Bachelor Degree</td>
<td>22%</td>
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</tr>
<tr>
<td>Postgraduate Degree</td>
<td>10%</td>
<td>83</td>
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<table>
<thead>
<tr>
<th>Annual Household Income</th>
<th>%</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nil</td>
<td>1%</td>
<td>8</td>
</tr>
<tr>
<td>Below $52,000</td>
<td>38%</td>
<td>285</td>
</tr>
<tr>
<td>$52,000 - $103,000</td>
<td>37%</td>
<td>280</td>
</tr>
<tr>
<td>$104,000 - $182,000</td>
<td>19%</td>
<td>144</td>
</tr>
<tr>
<td>$182,000+</td>
<td>5%</td>
<td>39</td>
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<table>
<thead>
<tr>
<th>Location</th>
<th>%</th>
<th>Count</th>
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<tbody>
<tr>
<td>New South Wales</td>
<td>32%</td>
<td>256</td>
</tr>
<tr>
<td>Victoria</td>
<td>25%</td>
<td>200</td>
</tr>
<tr>
<td>Queensland</td>
<td>20%</td>
<td>160</td>
</tr>
<tr>
<td>Western Australia</td>
<td>11%</td>
<td>110</td>
</tr>
<tr>
<td>South Australia</td>
<td>7%</td>
<td>73</td>
</tr>
<tr>
<td>Australian Capital Territory</td>
<td>2%</td>
<td>19</td>
</tr>
<tr>
<td>Tasmania</td>
<td>2%</td>
<td>20</td>
</tr>
<tr>
<td>Northern Territory</td>
<td>1%</td>
<td>8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area / Region</th>
<th>%</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metropolitan</td>
<td>68%</td>
<td>578</td>
</tr>
<tr>
<td>Regional</td>
<td>23%</td>
<td>191</td>
</tr>
<tr>
<td>Rural</td>
<td>9%</td>
<td>77</td>
</tr>
</tbody>
</table>
Awareness of Sonographers

Examining public awareness of Sonographers, ultrasounds and other relevant diagnostic tools.
General awareness of the Sonography profession is reasonably low. However, a majority acknowledge that an ultrasound is an important diagnostic healthcare tool.
General awareness of Sonographers is relatively low. Only 11% of respondents were able to name a Sonographer as the health professional who conducted their ultrasound.

Q: Have you or a member of your immediate family ever had an ultrasound? N=807

- Yes: 87%
- No: 13%

Q: Do you know the job title of the person who conducted the ultrasound? N=209

- Yes: 50%
- No: 21%
- Don’t Know: 29%

**Job Title of Person Conducting Ultrasound** (Asked of those aware of ultrasound) [%]

- Sonographer: 38%
- Radiographer: 37%
- Medical Technician: 8%
- Other Medical Professional / Doctor: 5%
- Doctor (Non-specific): 5%
- Clinic / Hospital: 4%
- Other: 3%
Confusion with Radiographers is also evident.

Of respondents who believed they knew the job title of the person who conducted their ultrasound, 37% thought they were a Radiographer.
Positively, over four in five respondents report a positive experience with a Sonographer.

**Positive Experience 85%**

- “The ultrasound was performed in a very professional manner. The person who did the ultrasound was very respectful of my needs and I felt very comfortable during the procedure…”
- “I had an ultrasound to determine what was wrong with my feet and why I was in so much pain. The results indicated Achilles tendinitis and heel spurs. The ultrasound was very gentle and non-intrusive and the person who performed it was professional and supportive throughout the procedure”
- “Welcomed with a friendly greeting, then continued to explain the process. Throughout the ultrasound the person was very reassuring and afterwards informed me of the process that would occur to receive the results”
- “Person was friendly, explained what they were looking at and answered my questions”

**Neutral Experience 6%**

- “She was looking for breast tumours, and found 5 of them. The pressure of the device hurt when pressed hard on the area of the tumours. It was performed in total silence, my questions were not answered, the screen was turned so I could not see it. She seemed to know what she was doing, so I didn’t say any more”
- “My impressions of the person who took the ultrasound, is that they were not allowed to disclose any medical information, and were purely there for the sole purpose of preforming an ultrasound”
- “First person was great and put me at ease. Second person was not very personable”
- “Hit and miss. Some are rough and others are good”
- “It was just another medical procedure performed by some nameless person”

**Negative Experience 9%**

- “Rude and unhygienic”
- “I found it a bit uncomfortable as the person was very quiet, and I felt a bit exposed. The person didn’t really seem to have people skills”
- “It was cold and I felt like quite impersonal”
- “The person performing the ultrasound was rude but everything else was good”
- “I have had a few ultrasounds but the ones mostly I remember were the ones when I was pregnant, which were taken during stages of my pregnancy. I found the pictures were not as clear as I expected and the person performing the ultrasound did not explain much as they used the doppler”

Q: In your own words, please tell us about your experience with and impressions of the ultrasound and the person who performed the ultrasound: N=702

ASA 2019 Perceptions of Sonographers Research Report
Q: To the best of your knowledge, how important do you think ultrasounds are as a healthcare diagnostic tool? N=846

Percent who believe that Ultrasound is an important diagnostic tool.

95%
Q: To the best of your knowledge, how important do you think the following medical imaging tools are for obtaining accurate diagnostic images when compared to ultrasound technology? N=846

Compared to ultrasounds, respondents think that MRI and CT scans are a more important and accurate diagnostic imaging tool.

- MRI:
  - Less Important: 3%
  - Same: 31%
  - More Important: 55%
  - Don’t Know: 16%

- CT Scans:
  - Less Important: 4%
  - Same: 39%
  - More Important: 46%
  - Don’t Know: 8%

- X-rays:
  - Less Important: 19%
  - Same: 55%
  - More Important: 16%
  - Don’t Know: 11%

ASA 2019 Perceptions of Sonographers Research Report
Most believe image accuracy is largely dependent on the skill and experience of the Sonographer rather than the quality of the machine.
Obtaining comprehensive and accurate images are central to the outcome of an ultrasound diagnosis. Which do you think is MOST important to the outcome of an ultrasound? N=846

**MAJORITY BELIEVE SKILL OF SONOGRPAHER MORE IMPORTANT THAN QUALITY OF ULTRASOUND MACHINE.**

Respondents who are aware of ultrasounds believe that image accuracy is dependent on the experience and skills of the Sonographer rather than the quality of the machine.

**65%**

Skills and experience of the person who performs the ultrasound

**35%**

Quality and precision of the ultrasound machine

---

Q: Obtaining comprehensive and accurate images are central to the outcome of an ultrasound diagnosis. Which do you think is MOST important to the outcome of an ultrasound? N=846
IMPACT OF SKILL ON ACCURACY OF DIAGNOSIS

However, when specifically prompted majority agree that the skill of the Sonographer is important to obtaining an accurate diagnosis. While still strong, those unaware of ultrasounds are less likely to agree with this statement.

Q: How important do you think that the skills and experience of the person conducting the ultrasound is to obtaining image(s) that enable an accurate diagnosis? N=846

<table>
<thead>
<tr>
<th>Experience of Ultrasound</th>
<th>Total</th>
<th>No Experience of Ultrasound</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not at all important</td>
<td>82%</td>
<td>67%</td>
</tr>
<tr>
<td>Not too important</td>
<td>15%</td>
<td>27%</td>
</tr>
<tr>
<td>Somewhat important</td>
<td>13%</td>
<td></td>
</tr>
<tr>
<td>Extremely important</td>
<td>82%</td>
<td>4%</td>
</tr>
<tr>
<td>Don't know</td>
<td>86%</td>
<td></td>
</tr>
</tbody>
</table>

Q: How important do you think that the skills and experience of the person conducting the ultrasound is to obtaining image(s) that enable an accurate diagnosis? N=846

Significantly higher / lower than total
EDUCATIONAL QUALIFICATIONS OF SONOGRAPHERS

A majority think that the minimum qualification to conduct an ultrasound is a Diploma or Bachelor's degree. There was an obvious bias for respondents to select a education qualification equivalent to their own.

Q: What would you expect the minimum qualifications are to conduct a diagnostic ultrasound examination? N=846
Trust and Confidence

A closer look into public trust and confidence in sonographers and other medical professionals
Positively, trust is high in the health and medical industry and Sonographers were rated within the top five most trusted health professionals.
TRUST & CONFIDENCE in HEALTHCARE PROFESSIONALS IS HIGH

Interestingly, Radiographers are the most trusted health practitioners – and many people believe Sonographers are Radiographers.

1. Health & Medical
2. Police & Emergency Services
3. Education
4. Charities
5. Legal

ASA 2019 Perceptions of Sonographers Research Report
TRUST FOR THE MEDICAL PROFESSION IS HIGH

Over 9 in 10 Australians trust the health and medical profession

<table>
<thead>
<tr>
<th>Sector</th>
<th>Trust</th>
<th>Do not trust</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health and medical</td>
<td>91%</td>
<td>9%</td>
</tr>
<tr>
<td>Police and emergency services</td>
<td>91%</td>
<td>9%</td>
</tr>
<tr>
<td>Education</td>
<td>84%</td>
<td>16%</td>
</tr>
<tr>
<td>Charitable and social enterprise</td>
<td>70%</td>
<td>30%</td>
</tr>
<tr>
<td>Legal</td>
<td>67%</td>
<td>33%</td>
</tr>
<tr>
<td>Accounting and taxation</td>
<td>65%</td>
<td>35%</td>
</tr>
<tr>
<td>Local Government</td>
<td>57%</td>
<td>43%</td>
</tr>
<tr>
<td>State Government</td>
<td>52%</td>
<td>48%</td>
</tr>
<tr>
<td>Federal Government</td>
<td>51%</td>
<td>49%</td>
</tr>
<tr>
<td>News and media organisations</td>
<td>43%</td>
<td>57%</td>
</tr>
<tr>
<td>Banking, finance and insurance</td>
<td>41%</td>
<td>59%</td>
</tr>
<tr>
<td>Real estate and property</td>
<td>41%</td>
<td>59%</td>
</tr>
</tbody>
</table>

Q: Please indicate how much trust and confidence you have in the following sectors / industries. N= Various

ASA 2019 Perceptions of Sonographers Research Report
Interestingly, Radiographers are the most trusted health practitioners. Many people believe Sonographers are Radiographers.
SONOGRAPHERS ARE WITHIN THE TOP FIVE TRUSTED HEALTH PROFESSIONALS

Q: Please indicate how much trust and confidence you have in the following healthcare professionals. N= Various

ASA 2019 Perceptions of Sonographers Research Report
The Regulation of Sonographers

A closer look into public knowledge and awareness of the regulation of Sonographers.
Respondents overwhelmingly believe that Sonographers should be regulated, with most citing a less accurate diagnosis and patient safety as their main causes for concern. There is strong support for the introduction of regulations for the Sonography profession.
There is clear take out that health professionals should have Government regulations and standards and that those regulations serve to protect the best interests of the public.

**74%**
Believe government regulations provide protection for the public

**86%**
Believe health professions should have government regulations and standards

Q: In the context of the Australian healthcare system, please indicate how much you agree that government regulations provide protection for the public. N=846

Q: Please indicate the extent to which you agree that all health-related professions should be subject to nationally consistent government regulations and enforceable standards. N=846
AWARENESS OF HEALTHCARE REGULATION

While close to half of respondents are unsure if there is an organisation responsible for regulating Australian healthcare professionals, respondents overwhelmingly believe that Sonographers are regulated.

Do you know if there are organisations responsible for regulating Australian healthcare professionals?

- Yes: 48%
- No: 44%
- Don't know: 8%

Percent who believe that Sonographers are registered: 93%

Q: To the best of your knowledge, are there organisation(s) or agency(s) that are responsible for regulating and monitoring Australian healthcare professionals? N=846
Q: Thinking about sonographers, would you be more likely to think that the profession is: N=846

ASA 2019 Perceptions of Sonographers Research Report
SUPPORT FOR REGULATION OF SONOGRAPHERS

Over four in five believe that Sonographers should be bound by standards of practice and would strongly support the introduction of regulations for the Sonography profession.

Do you believe that Sonographers should have minimum entry requirements and practice standards?

- Yes: 86%
- No: 3%
- Don't know: 10%

Would you support or oppose the introduction of regulations for Sonographers?

SUPPORT

93%

OPPOSE

2%
PUBLIC CONCERN ABOUT TO LACK OF REGULATION

Respondents are personally concerned about the lack of regulation within the Sonography profession. Most cite a less accurate diagnosis and patient safety as their main causes for concern.

- **Not concerned at all about the regulation status of Sonographers**
  - “Because I believe the person preforming the ultrasound is already highly trained and professional”
  - “There would be other regulations they need to follow and so far I haven’t had any bad experiences”
  - “No concerns it seems the Government don’t have any concerns at all”
  - “Regulation excludes highly competent people at times”
  - “Well supervised”

- **Concerned about the regulation status of Sonographers**
  - “If doctors and nurses have to be regulated then so should Sonography”
  - “Medical professionals, can be dealing with life and death situations”
  - “They are the eyes for the diagnostician. If they are not fully qualified, then mistakes can be made, and diagnosis is suspect. They are playing with peoples lives”
  - “It could mean a less accurate screening for the patient”
  - “Doing this sort of job unregulated could be detrimental to peoples health”

Q: Sonographers are not regulated like other health professionals. Are you personally concerned or not concerned about this? N= 846
Q: Why are you not concerned about the regulation status of the sonography profession? N=87
Q: Why are you concerned about the regulation status of the sonography profession? N=263

ASA 2019 Perceptions of Sonographers Research Report
Outcomes of Lack of Regulation

What does a knowledge of the lack of regulation of Sonographers have on patient behaviour
While knowledge regarding the lack of professional regulation does not deter individuals from seeking an ultrasound some individuals are more likely to seek a second opinion or question the diagnostic quality of results.
IMPACT OF LACK OF REGULATION

Lack of regulation reduces public trust in sonographers, and the outcomes of medical diagnostic tests performed using ultrasound.

What impact does the regulation status of sonographers have on your trust and confidence in the sonography profession?

- I am less likely to trust sonographers: 35%
- It makes no difference: 48%
- I am more likely to trust sonographers: 17%

What impact does the regulation status have on your confidence in a sonographer conducting a medical diagnostic test using ultrasound?

- I am less likely to trust the outcome of an ultrasound test: 34%
- It makes no difference: 46%
- I am more likely to trust the outcome of an ultrasound test: 20%

Q: What impact does the regulation status of sonographers have on your trust and confidence in the sonography profession? N= 846
Q: What impact does the regulation status of the sonography profession have on your confidence in a sonographer conducting a medical diagnostic test using ultrasound? N=846

ASA 2019 Perceptions of Sonographers Research Report
53% More likely to seek a second opinion

53% More likely to question the quality of the result of an ultrasound

36% More likely to seek an alternative to ultrasound

20% Less likely to follow up an ultrasound referral
CONTACT

Survey Matters specialise in providing services to associations and not for profit organisations, their customers and members.

Survey Matters have helped a wide range of associations understand their value proposition - what is important to members, how the association can help them and how satisfied they are with their associations' performance.

We also work with associations to generate and build industry data and knowledge to support advocacy, promotion, industry development and marketing activities.

www.surveymatters.com.au

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