

Supplemental Table 1. Prevalence of Atrial Arrhythmia in Cardiologists Based on Characteristics (All Respondents Sample)

| | | # of Cardiologists (%) n = 1471* | Prevalence of AA (%) | p-value† |
|-----------------------------|----------------------------------|-------------------------------------|-------------------------|----------|
| Demographic Characteristics | | | | |
| Sex | Male | 1262 (86.1%) | 156 (12.4%) | <0.001 |
| | Female | 204 (13.9%) | 6 (2.9%) | |
| Age | ≥ 66 years | 490 (33.4%) | 105 (21.4%) | <0.001 |
| | ≤ 65 years | 979 (66.6%) | 56 (5.7%) | |
| Race | White/Caucasian | 1167 (79.0%) | 148 (12.7%) | <0.001 |
| | Black/African American | 29 (2.0%) | 2 (6.9%) | |
| | Other | 269 (18.4%) | 12 (4.5%) | |
| Ethnicity | Hispanic | 36 (2.4%) | 3 (8.3%) | 0.569 |
| | Non-Hispanic | 1265 (85.6%) | 144 (11.4%) | |
| Occupational History | | | | |
| Type of Cardiologist | EP and Interventional Cardiology | 757 (51.2%) | 57 (7.5%) | <0.001 |
| | Other | 721 (48.8%) | 107 (14.8%) | |
| Protective Attire worn | Head Cap | 173 (11.7%) | 8 (4.6%) | 0.004 |
| | Shin Shields | 27 (1.8%) | 3 (11.1%) | 1.000 |
| | Front Shield | 915 (84.4%) | 82 (9.0%) | <0.001 |
| | Vest or Apron | 1083 (73.3%) | 115 (10.6%) | 0.333 |
| Social History | | | | |
| Hx of Alcohol Use | | 1104 (74.7%) | 134 (12.1%) | 0.027 |
| Hx of Alcohol Abuse | | 88 (6.0%) | 15 (17.0%) | 0.079 |
| Hx of Smoking | Present, current | 32 (2.2%) | 7 (21.9%) | <0.001 |
| | Absent, quit | 92 (6.3%) | 27 (29.3%) | |
| | Absent, never | 1343 (91.5%) | 124 (9.2%) | |

*Sample number may vary due to exclusion of respondents electing to not answer

†Chi-squared test, $p < 0.05$ is considered significant

Supplemental Table 2. Prevalence of Atrial Arrhythmia in Cardiologists Performing Each Procedure

| All Respondents Sample | # of Cardiologists (%) n = 1478 | # of Cardiologists with AA (%) | Likelihood of AA Unadjusted OR (95% CI)^a | p-value^b |
|---|--|---|--|----------------------------|
| Procedure | | | | |
| Atherectomy | 469 (31.7%) | 38 (8.1%) | 0.63 (0.41 - 0.98) | 0.038 |
| Angiography | 666 (45.1%) | 76 (11.4%) | 0.92 (0.64 - 1.34) | 0.663 |
| Coronary Thrombectomy | 523 (35.4%) | 45 (8.6%) | 0.67 (0.44 - 1.02) | 0.063 |
| Valve Replacement | 149 (10.1%) | 10 (6.7%) | 0.51 (0.25 - 1.04) | 0.063 |
| Valvuloplasty | 232 (15.7%) | 19 (8.2%) | 0.64 (0.37 - 1.10) | 0.108 |
| Congenital Heart Disease Repair | 115 (7.8%) | 7 (6.1%) | 0.46 (0.21 - 1.05) | 0.065 |
| Electrophysiologic Study | 276 (18.7%) | 19 (6.9%) | 0.53 (0.31 - 0.91) | 0.022 |
| Irregular Rhythm Ablation | 234 (15.8%) | 15 (6.4%) | 0.49 (0.27 - 0.89) | 0.019 |
| Pacemaker/Defibrillator Placement | 497 (33.6%) | 61 (12.3%) | 1.00 (0.68 - 1.48) | 1.000 |
| Pacemaker/Defibrillator Lead Extraction | 178 (12.0%) | 10 (5.6%) | 0.43 (0.21 - 0.86) | 0.017 |
| Percutaneous Angiography Intervention | 652 (44.1%) | 70 (10.7%) | 0.86 (0.59 - 1.25) | 0.433 |
| None of the Above | 440 (29.8%) | 54 (12.0%) | Reference Category | |
| >50 Years of Age Sample | # of Cardiologists (%) n = 1033 | # of Cardiologists with AA (%) | Likelihood of AA Unadjusted OR (95% CI)^a | p-value^b |
| Procedure | | | | |
| Atherectomy | 309 (29.9%) | 35 (11.9%) | 0.66 (0.42 - 1.05) | 0.077 |
| Angiography | 480 (46.5%) | 69 (15.0%) | 0.87 (0.58 - 1.28) | 0.473 |
| Coronary Thrombectomy | 358 (34.7%) | 42 (12.2%) | 0.69 (0.44 - 1.06) | 0.092 |
| Valve Replacement | 65 (6.3%) | 7 (11.5%) | 0.62 (0.27 - 1.44) | 0.268 |
| Valvuloplasty | 139 (13.5%) | 16 (11.9%) | 0.67 (0.37 - 1.22) | 0.193 |
| Congenital Heart Disease Repair | 63 (6.1%) | 4 (6.6%) | 0.35 (0.12 - 1.01) | 0.051 |
| Electrophysiologic Study | 170 (16.5%) | 18 (10.7%) | 0.61 (0.34 - 1.08) | 0.092 |
| Irregular Rhythm Ablation | 131 (12.7%) | 14 (10.8%) | 0.62 (0.33 - 1.16) | 0.133 |
| Pacemaker/Defibrillator Placement | 360 (34.8%) | 59 (16.9%) | 1.01 (0.67 - 1.52) | 0.959 |
| Pacemaker/Defibrillator Lead Extraction | 106 (10.3%) | 10 (9.6%) | 0.54 (0.26 - 1.10) | 0.089 |
| Percutaneous Angiography Intervention | 474 (45.9%) | 66 (14.6%) | 0.83 (0.56 - 1.24) | 0.371 |
| None of the Above | 314 (30.4%) | 51 (16.2%) | Reference Category | |

^aOdds ratio with 95% confidence interval - Reference: None of the above^bp<0.05 is considered significant

Supplemental Table 3. Prevalence of comorbidity in cardiologists based on presence of atrial arrhythmia (n = 1033)

| All Responses | | >50 Years of Age | | | <i>p</i> -value ^b |
|---------------------------------------|--------------------------------------|--|---|-------------|------------------------------|
| Prevalence (%) n = 1478 ^a | Prevalence (%) n = 1033 ^a | Prevalence of Comorbidity with AA (%) n = 152 ^a | Prevalence of Comorbidity without AA (%) n = 881 ^a | | |
| Comorbidities | | | | | |
| Atrial Arrhythmia | 164 (11.1%) | 147 (14.7%) | | | |
| Aortic Atherosclerosis | 40 (2.7%) | 40 (3.9%) | 16 (10.5%) | 24 (2.7%) | <0.001 |
| Cancer | 167 (11.3%) | 157 (15.2%) | 29 (19.1%) | 128 (14.5%) | 0.149 |
| Cardiomyopathy | 11 (0.7%) | 11 (1.1%) | 7 (4.6%) | 4 (0.5%) | <0.001 |
| Carotid Artery Disease | 20 (1.4%) | 20 (1.9%) | 7 (4.6%) | 13 (1.5%) | 0.019 |
| Cataracts | 267 (18.1%) | 262 (25.4%) | 50 (32.9%) | 212 (24.1%) | 0.021 |
| Chronic Obstructive Pulmonary Disease | 13 (0.9%) | 12 (1.2%) | 5 (3.3%) | 7 (0.8%) | 0.021 |
| Congestive Heart Failure | 11 (0.7%) | 11 (1.1%) | 7 (4.6%) | 4 (0.5%) | <0.001 |
| Coronary Artery Disease | 129 (8.7%) | 128 (12.4%) | 45 (29.6%) | 83 (9.4%) | <0.001 |
| Dermatitis | 44 (3.0%) | 37 (3.6%) | 2 (1.3%) | 35 (4.0%) | 0.104 |
| Diabetes Mellitus | 82 (5.5%) | 73 (7.1%) | 18 (11.8%) | 55 (6.2%) | 0.013 |
| Dyslipidemia | 400 (27.1%) | 352 (34.1%) | 56 (36.8%) | 296 (33.6%) | 0.436 |
| Hypertension | 450 (30.4%) | 407 (39.4%) | 70 (46.1%) | 337 (38.3%) | 0.069 |
| Infertility | 35 (2.4%) | 21 (2.0%) | 3 (2.0%) | 18 (2.0%) | 1.000 |
| Ischemic Heart Disease | 50 (3.4%) | 50 (4.8%) | 18 (11.8%) | 32 (3.6%) | <0.001 |
| Myocarditis | 3 (0.2%) | 3 (0.3%) | 2 (1.3%) | 1 (0.1%) | 0.058 |
| Obstructive Sleep Apnea | 118 (8.0%) | 108 (10.5%) | 30 (19.7) | 78 (8.9) | <0.001 |
| Peripheral Vascular Disease | 12 (0.8%) | 11 (1.1%) | 3 (2.0%) | 8 (0.9%) | 0.212 |
| Pulmonary Fibrosis | 4 (0.3%) | 4 (0.4%) | 3 (2.0%) | 1 (0.1%) | 0.011 |
| Pulmonary Hypertension | 4 (0.3%) | 4 (0.4%) | 2 (1.3%) | 2 (0.2%) | 0.105 |
| Stroke/Transient Ischemic Attack | 37 (2.5%) | 34 (3.3%) | 9 (5.9%) | 25 (2.8%) | 0.049 |
| Thyroid Disease | 95 (6.4%) | 76 (7.4%) | 15 (9.9%) | 61 (6.9%) | 0.199 |
| Valvular Heart Disease | 46 (3.1%) | 43 (4.2%) | 16 (10.5%) | 27 (3.1%) | <0.001 |

^aSample number may vary due to exclusion of respondents electing to not answer^bChi-squared test, *p*<0.05 is considered significant

Supplemental Table 4. Prevalence of Atrial Arrhythmia in Cardiologists Based on Characteristics (>50 Years of Age Respondents Sample)

| | | # of Cardiologists (%) n = 1033* | Prevalence of AA (%) | p-value† |
|-----------------------------|----------------------------------|-------------------------------------|-------------------------|----------|
| Demographic Characteristics | | | | |
| Sex | Male | 915 (88.6%) | 144 (15.7%) | 0.004 |
| | Female | 111 (10.7%) | 6 (5.4%) | |
| Age | ≥ 66 years | 490 (47.4%) | 105 (21.4%) | <0.001 |
| | ≤ 65 years | 543 (52.6%) | 47 (8.7%) | |
| Race | White/Caucasian | 903 (87.4%) | 138 (15.3%) | 0.379 |
| | Black/African American | 17 (1.6%) | 2 (11.8%) | |
| | Other | 106 (10.3%) | 11 (10.4%) | |
| Ethnicity | Hispanic | 29 (2.8%) | 2 (6.9%) | 0.294 |
| | Non-Hispanic | 876 (84.8%) | 133 (15.2%) | |
| Occupational History | | | | |
| Type of Cardiologist | EP and Interventional Cardiology | 487 (47.1%) | 51 (10.5%) | <0.001 |
| | Other | 546 (52.9%) | 101 (18.5%) | |
| Protective Attire worn | Head Cap | 85 (8.2%) | 7 (8.2%) | 0.078 |
| | Shin Shields | 18 (1.7%) | 2 (11.1%) | 1.000 |
| | Front Shield | 609 (59.0%) | 75 (12.3%) | 0.003 |
| | Vest or Apron | 744 (72.0%) | 105 (14.1%) | 0.381 |
| Social History | | | | |
| Hx of Alcohol Use | | 791 (76.6%) | 123 (15.5%) | 0.137 |
| Hx of Alcohol Abuse | | 63 (6.2%) | 14 (22.2%) | 0.097 |
| Hx of Smoking | Present, current | 23 (2.2%) | 7 (30.4%) | <0.001 |
| | Absent, quit | 919 (89.0%) | 115 (12.5%) | |
| | Absent, never | 81 (7.8%) | 24 (29.6%) | |

*Sample number may vary due to exclusion of respondents electing to not answer

†Chi-squared test, $p < 0.05$ is considered significant