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

| Demographic Characteristics                | # of Cardiologists (% n = 1471*) | Prevalence of AA (%) | p-value† |
|---------------------------------------------|-----------------------------------|----------------------|----------|
| **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

| Procedure                                      | All Respondents Sample |  |  |  |  |
|------------------------------------------------|------------------------|---|---|---|---|
|                                                | # of Cardiologists (%) n = 1478 | # of Cardiologists with AA (%) | Likelihood of AA Unadjusted OR (95% CI) | p-value |  |
| 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) | p-value |  |
|------------------------------------------------|------------------------|---|---|---|---|
| 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  
*b*p<0.05 is considered significant*
### Supplemental Table 3. Prevalence of comorbidity in cardiologists based on presence of atrial arrhythmia (n = 1033)

| Comorbidities                        | Prevalence (%) n = 1478<sup>a</sup> | Prevalence (%) n = 1033<sup>a</sup> | Prevalence of Comorbidity with AA (%) n = 152<sup>b</sup> | Prevalence of Comorbidity without AA (%) n = 881<sup>b</sup> | p-value<sup>b</sup> |
|--------------------------------------|-------------------------------------|-------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------|
| Atrial Arrhythmia                    | 164 (11.1%)                         | 147 (14.7%)                         | 16 (10.5%)                                               | 24 (2.7%)                                                  | <0.001            |
| Aortic Atherosclerosis               | 40 (2.7%)                           | 40 (3.9%)                           | 16 (10.5%)                                               | 24 (2.7%)                                                  | 0.149             |
| Cancer                               | 167 (11.3%)                         | 157 (15.2%)                         | 29 (19.1%)                                               | 128 (14.5%)                                                | 0.019             |
| 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/Transit 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            |

<sup>a</sup>Sample number may vary due to exclusion of respondents electing to not answer

<sup>b</sup>Chi-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)

| Demographic Characteristics | # of Cardiologists (% n = 1033*) | Prevalence of AA (%) | p-value† |
|-----------------------------|-----------------------------------|----------------------|----------|
| **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