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| **Supplementary Table 3.** Sensitivity analysis of multiple logistic regressions with dropout as endpoint in months 1-3  |
| **Parameter** | **Odds Ratio** | **Confidence****Interval** | **Chi-square** | ***P*-value** |
| Region=France (vs. non-France) | .55 | (.14, 2.24) | .7 | .40 |
| Income (vs. <$15K) |  |  |  |  |
|  $15-$25K  | .49 | (.27, .89) | 17.2 | .009 |
|  $25-$35K | .27 | (.13, .57) |
|  $35-$50K | .46 | (.22, .94) |
|  $50-$75K | .35 | (.16, .77) |
|  $75-$100K | .40 | (.15, 1.06) |
|  $100K + | .28 | (.09, .86) |
| Age | .975 | (.953, .997) | 5.1 | .024 |
| Mitral Regurgitation Grade (vs. None) |  |  |  |  |
|  Trivial | 2.18 | (.96, 4.94) | 13.6 | .035 |
|  Mild | 1.92 | (.95, 3.88) |
|  Mild to Moderate | 1.41 | (.55, 3.62) |
|  Moderate | 1.69 | (.76, 3.78) |
|  Moderate to Severe | 5.20 | (2.06, 13.2) |
|  Severe | 2.20 | (.82, 5.95) |
| Marital Status (vs. Married) |  |  |  |  |
|  Widowed  | 1.23 | (.55, 2.71) | 12.0 | .06 |
|  Divorced | 2.14 | (1.20, 3.79) |
|  Separated | .52 | (.16, 1.64) |
|  Single (never married) | 1.14 | (.59, 2.23) |
|  Living with a partner | 1.77 | (.64, 4.88) |
|  Decline to answer | 5.01 | (.58, 43.2) |
| LVEF | .87 | (.77, 0.98) | 5.3 | .022 |
| LVEF squared | 1.003 | (1.001, 1.005) | 6.4 | .011 |
| Season (vs. Winter) |  |  |  |  |
|  Spring | 1.54 | (.87, 2.71) | 4.2 | .24 |
|  Summer | .86 | (.46, 1.58) |
|  Autumn | 1.14 | (.64, 2.03) |
| 6 min walk test distance | .997 | (.994, 0.999) | 7.1 | .008 |
| CPX exercise duration | .75 | (.593, 0.941) | 6.1 | .013 |
| CPX exercise duration squared | 1.010 | (1.000, 1.020) | 3.5 | .062 |
| Employment Status (vs. Full-Time) |  |  |  |  |
|  Part-Time  | .70 | (.23, 2.00) | 9.7 | .21 |
|  Student | 5.16 | (.37, 72.3) |
|  Homemaker | 2.15 | (.69, 6.66) |
|  Volunteer | 4.10 | (.27, 61.3) |
|  Disabled | .71 | (.37, 1.36) |
|  Unemployed | .75 | (.30, 1.92) |
|  Retired | .62 | (.29, 1.32) |
| BUN | 1.000 | (.986, 1.013) | .003 | .96 |
| Race (vs. Black/African American) |  |  |  |  |
| White  | .64 | (.40, 1.02) | 3.8 | .15 |
| Other race (not black or white)  | .66 | (.26, 1.68) |
| Weber Class (vs. A: V̇O2peak > 20) |  |  |  |  |
|  B (16 < V̇O2peak <= 20)  | 1.37 | (.57, 3.32) | 8.2 | .041 |
|  C (10 < V̇O2peak <= 16) | .82 | (0.32, 2.12) |
|  D (V̇O2peak <= 10), ml/kg/min | .36 | (.11, 1.21) |
| Hospitalizations in last 6 mo (vs. 0) |  |  |  |  |
|  1  | .55 | (.32, .93) | 5.9 | .052 |
|  2+ | 1.16 | (.64, 2.07) |
| **Model R2** | 0.22 |
| Abbreviations: BUN, blood urea nitrogen; CPX, cardiopulmonary exercise test; LVEF, left-ventricular ejection fraction; VO2peak, oxygen uptake; this analysis is based on imputed data, which was only defined if the min/wk (adherence variable) is non-missing.  |