**Supplement Table 1** Balance Assessment Before and After Propensity Weighting

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| --- | --- | --- |
|  | **Before Propensity Score Weighting** | **After Propensity Score Weighting** |
| **Variables** | Metoprolol | Amiodarone  | Diltiazem | p-Value Metoprolol vs. Amiodarone | p-Value Metoprolol vs. Diltiazem | Metoprolol  | Amiodarone | Diltiazem | p-Value Metoprolol vs. Amiodarone | p-Value Metoprolol vs. Diltiazem |
| **Age** | 73.39 | 71.8 | 73 | 0.02 | 0.65 | 73.23 | 72.15 | 73.27 | 0.14 | 0.96 |
| **Gender (F)** | 0.43 | 0.42 | 0.48 | 0.88 | 0.13 | 0.43 | 0.44 | 0.47 | 0.83 | 0.38 |
| **Gender (M)** | 0.57 | 0.58 | 0.52 | 0.88 | 0.13 | 0.57 | 0.56 | 0.53 | 0.83 | 0.38 |
| **First ICU Unit (CCU)** | 0.23 | 0.25 | 0.23 | 0 | 0 | 0.22 | 0.24 | 0.25 | 0.04 | 0.4 |
| **First ICU Unit (CVICU)** | 0.37 | 0.56 | 0.26 | 0 | 0 | 0.4 | 0.48 | 0.33 | 0.04 | 0.4 |
| **First ICU Unit (MICU)** | 0.25 | 0.12 | 0.37 | 0 | 0 | 0.23 | 0.16 | 0.28 | 0.04 | 0.4 |
| **First ICU Unit (SICU)** | 0.04 | 0.02 | 0.03 | 0 | 0 | 0.04 | 0.03 | 0.03 | 0.04 | 0.4 |
| **Ethnicity (White)** | 0.76 | 0.71 | 0.77 | 0 | 0.69 | 0.76 | 0.74 | 0.77 | 0.01 | 0.56 |
| **Ethnicity (Black)** | 0.05 | 0.02 | 0.07 | 0 | 0.69 | 0.05 | 0.02 | 0.06 | 0.01 | 0.56 |
| **Ethnicity (Hispanic)** | 0.02 | 0.01 | 0.01 | 0 | 0.69 | 0.02 | 0.01 | 0.01 | 0.01 | 0.56 |
| **Ethnicity (Asian)** | 0.03 | 0.01 | 0.03 | 0 | 0.69 | 0.03 | 0.01 | 0.02 | 0.01 | 0.56 |
| **Ethnicity (Other)** | 0.02 | 0.02 | 0.01 | 0 | 0.69 | 0.02 | 0.02 | 0.04 | 0.01 | 0.56 |
| **Ethnicity (Unknown)** | 0.12 | 0.22 | 0.1 | 0 | 0.69 | 0.13 | 0.19 | 0.11 | 0.01 | 0.56 |
| **SOFA Score** | 6.16 | 8.21 | 6.09 | 0 | 0.81 | 6.48 | 7.35 | 6.47 | 0 | 0.98 |
| **MAP before first drug (mmHg)** | 80.28 | 74.29 | 81.36 | 0 | 0.36 | 78.97 | 76.52 | 80.21 | 0.02 | 0.34 |
| **Temp (F)** | 98.56 | 98.88 | 98.58 | 0 | 0.86 | 98.64 | 98.75 | 98.59 | 0.25 | 0.72 |
| **SaO2 (%)** | 96.83 | 96.54 | 95.74 | 0.17 | 0.01 | 96.8 | 96.59 | 96.35 | 0.37 | 0.13 |
| **Hemoglobin (Mean)** | 10.56 | 10.29 | 10.5 | 0 | 0.63 | 10.48 | 10.38 | 10.58 | 0.32 | 0.44 |
| **White Blood Cell Count (Mean)** | 13 | 13.72 | 13.76 | 0.08 | 0.21 | 13.3 | 13.48 | 13.29 | 0.71 | 0.98 |
| **Platelet Count (Mean)** | 211.97 | 183.2 | 224.52 | 0 | 0.2 | 208.2 | 193.71 | 212.13 | 0.06 | 0.68 |
| **Hematocrit (Mean)** | 31.33 | 30.22 | 31.63 | 0 | 0.42 | 31.05 | 30.56 | 31.55 | 0.08 | 0.17 |
| **Sodium (Mean)** | 139.47 | 138.26 | 139.8 | 0 | 0.39 | 139.21 | 138.86 | 139.51 | 0.27 | 0.46 |
| **Potassium (Mean)** | 4.13 | 4.29 | 4.12 | 0 | 0.83 | 4.16 | 4.22 | 4.14 | 0.05 | 0.65 |
| **Chloride (Mean)** | 105.74 | 105.13 | 104.62 | 0.07 | 0.02 | 105.55 | 105.45 | 105.19 | 0.8 | 0.46 |
| **Blood Urea Nitrogen (Mean)** | 31.32 | 31.05 | 34.23 | 0.83 | 0.1 | 31.55 | 31.25 | 31.8 | 0.84 | 0.9 |
| **Creatinine (Mean)** | 1.43 | 1.59 | 1.59 | 0.06 | 0.16 | 1.45 | 1.52 | 1.5 | 0.4 | 0.61 |
| **Bicarbonate (Mean)** | 25.13 | 24.35 | 26.11 | 0 | 0.02 | 25.11 | 24.58 | 25.42 | 0.07 | 0.41 |
| **Glucose (Mean)** | 135.23 | 140.78 | 139.97 | 0.07 | 0.21 | 136.73 | 140.22 | 135.82 | 0.26 | 0.8 |
| **Asthma:0** | 0.97 | 0.98 | 0.93 | 0.13 | 0.01 | 0.97 | 0.98 | 0.96 | 0.35 | 0.37 |
| **Asthma:1** | 0.03 | 0.02 | 0.07 | 0.13 | 0.01 | 0.03 | 0.02 | 0.04 | 0.35 | 0.37 |
| **COPD:0** | 0.83 | 0.85 | 0.73 | 0.32 | 0 | 0.83 | 0.85 | 0.79 | 0.52 | 0.14 |
| **COPD:1** | 0.17 | 0.15 | 0.27 | 0.32 | 0 | 0.17 | 0.15 | 0.21 | 0.52 | 0.14 |
| **CHF:0** | 0.55 | 0.56 | 0.48 | 0.74 | 0.06 | 0.55 | 0.56 | 0.56 | 0.81 | 0.82 |
| **CHF:1** | 0.45 | 0.44 | 0.52 | 0.74 | 0.06 | 0.45 | 0.44 | 0.44 | 0.81 | 0.82 |
| **CKD:0** | 0.85 | 0.86 | 0.86 | 0.89 | 0.91 | 0.85 | 0.86 | 0.87 | 0.78 | 0.51 |
| **CKD:1** | 0.15 | 0.14 | 0.14 | 0.89 | 0.91 | 0.15 | 0.14 | 0.13 | 0.78 | 0.51 |
| **Liver.dz:0** | 0.96 | 0.98 | 0.98 | 0.08 | 0.13 | 0.96 | 0.98 | 0.97 | 0.05 | 0.58 |
| **Liver.dz.:1** | 0.04 | 0.02 | 0.02 | 0.08 | 0.13 | 0.04 | 0.02 | 0.03 | 0.05 | 0.58 |
| **Liver.dz.elix:<NA>** | 0 | 0 | 1 | 0.08 | 0 | 0 | 0 | 1 | 0.05 | 0 |
| **DM:0** | 0.74 | 0.72 | 0.74 | 0.37 | 0.96 | 0.73 | 0.73 | 0.76 | 0.67 | 0.45 |
| **DM:1** | 0.26 | 0.28 | 0.26 | 0.37 | 0.96 | 0.27 | 0.27 | 0.24 | 0.67 | 0.45 |
| **Valvular.dz:0** | 0.8 | 0.72 | 0.87 | 0 | 0.01 | 0.79 | 0.74 | 0.81 | 0.04 | 0.63 |
| **Valvular.dz:1** | 0.2 | 0.28 | 0.13 | 0 | 0.01 | 0.21 | 0.26 | 0.19 | 0.04 | 0.63 |
| **Malignancy:0** | 0.79 | 0.84 | 0.75 | 0.03 | 0.12 | 0.79 | 0.84 | 0.77 | 0.02 | 0.6 |
| **Malignancy:1** | 0.21 | 0.16 | 0.25 | 0.03 | 0.12 | 0.21 | 0.16 | 0.23 | 0.02 | 0.6 |
| **PMH\_afib:0** | 0.47 | 0.58 | 0.46 | 0 | 0.95 | 0.49 | 0.54 | 0.51 | 0.03 | 0.84 |
| **PMH\_afib:1** | 0.25 | 0.13 | 0.25 | 0 | 0.95 | 0.23 | 0.16 | 0.21 | 0.03 | 0.84 |
| **average.hr.first.15.mins** | 121.94 | 125.34 | 126.28 | 0 | 0 | 123.09 | 125.36 | 124.75 | 0 | 0.09 |
| **vasopressor.num.before.rvr** | 0.13 | 0.3 | 0.11 | 0 | 0.26 | 0.15 | 0.23 | 0.14 | 0 | 0.83 |
| **bb.home:0** | 0.28 | 0.27 | 0.37 | 0.91 | 0.01 | 0.29 | 0.28 | 0.35 | 0.93 | 0.27 |
| **bb.home:1** | 0.38 | 0.39 | 0.3 | 0.91 | 0.01 | 0.38 | 0.39 | 0.34 | 0.93 | 0.27 |
| **amio.home:0** | 0.64 | 0.63 | 0.65 | 0.14 | 0.94 | 0.64 | 0.62 | 0.68 | 0.11 | 0.53 |
| **amio.home:1** | 0.02 | 0.04 | 0.02 | 0.14 | 0.94 | 0.02 | 0.04 | 0.02 | 0.11 | 0.53 |
| **non.dihydropyridine.home:0** | 0.59 | 0.61 | 0.53 | 0.63 | 0 | 0.59 | 0.6 | 0.6 | 0.8 | 0.5 |
| **non.dihydropyridine.home:1** | 0.07 | 0.06 | 0.14 | 0.63 | 0 | 0.07 | 0.06 | 0.09 | 0.8 | 0.5 |