

SUPPLEMENTARY MATERIAL

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eTable 1 – Table of exclusions and counts of hospital, quarters, and patient discharges

| | Hospitals | Quarters | Patients |
|---|-----------|----------|----------|
| Hospitals <20 discharges during entire study period | 12 | | |
| Hospitals not matched in AHA survey | 3 | | |
| Hospitals with no eligible cases for any measure (100% exclusion) in all quarters | 8 | | |
| Hospital quarters with ≤5 discharges | 21 | 85 | 268 |
| Hospital quarters with 100% exclusion for all measures | 32 | 103 | 8216 |
| Hospital quarter with 100% exclusion for all except one measure | 1 | 1 | |
| Inaccurate Diagnosis (Principal Diagnosis not on ICD-9 Code Table) | | | 8 |
| Duplicates | | | 3276 |

eTable 2 – Overall Inclusions, Exclusions, and rate of Performance

| | Total T | Excluded with reasons E (E/T %) | Excluded due to missing ** (**/T %) | Total Excluded (E + **) ([E+**]/T %) | Measurement Population M (M/T %) | Complied performance Y (Y/T %) | Compliance Rate Y/M % |
|--|------------|---------------------------------------|---|--|--|--------------------------------------|-----------------------------|
| AMI-1 Aspirin at arrival | 163,144 | 33,630 (20.6) | 1,204 (0.7) | 34,834 (21.4) | 128,310 (78.7) | 127,555 (78.2) | 99.41 |
| AMI-8a PCI within 90 minutes | 163,143 | 145,680 (89.3) | 1,232 (0.8) | 146,912 (90.1) | 16,231 (10.0) | 14,972 (9.2) | 92.24 |
| AMI-2 Aspirin at discharge | 163,144 | 28,152 (17.3) | 884 (0.5) | 29,036 (17.8) | 134,108 (82.2) | 133,144 (81.6) | 99.28 |
| AMI-3 ACEi/ARB for LSD | 163,144 | 137,860 (84.5) | 931 (0.6) | 138,791 (85.1) | 24,353 (14.9) | 23,645 (14.5) | 97.09 |
| AMI-5 Beta-blocker at discharge | 163,144 | 33,145 (20.3) | 926 (0.6) | 34,071 (20.9) | 129,073 (79.1) | 127,882 (78.4) | 99.08 |
| AMI-10 Statin at discharge | 109,293 | 19,544 (17.9) | 810 (0.7) | 20,354 (18.6) | 88,939 (81.4) | 87,802 (80.3) | 98.72 |

eTable 3 – Correlation between exclusion rate and measure performance

| Measure | Correlation | p-value |
|---------------------------------|--------------------|----------------|
| AMI-1 Aspirin at arrival | -0.36 | <0.0001 |
| AMI-2 Aspirin at discharge | -0.36 | <0.0001 |
| AMI-3 ACEI/ARB for LSD | -0.33 | 0.0002 |
| AMI-5 Beta-blocker at discharge | -0.34 | 0.0002 |
| AMI-8a PCI within 90 minutes | -0.69 | <0.0001 |
| AMI-10 Statin at discharge | -0.47 | <0.0001 |

eTable 4a – Exclusion Rate and Variation by Hospital Type (Unadjusted)

| | COTH | | | Non-COTH Teaching | | | Non-Teaching | | |
|---------------|-----------|------|-------|-------------------|-------|-------|--------------|-------|-------|
| | \bar{x} | SD | CV | \bar{x} | SD | CV | \bar{x} | SD | CV |
| AMI-1 | 8.12 | 5.76 | 0.709 | 20.09 | 14.58 | 0.726 | 27.94 | 17.48 | 0.626 |
| AMI-8a | 89.75 | 4.92 | 0.055 | 92.6 | 8.87 | 0.096 | 92.63 | 7.75 | 0.084 |
| AMI-2 | 16.45 | 11.8 | 0.717 | 36.39 | 22.66 | 0.623 | 44.58 | 24.83 | 0.557 |
| AMI-3 | 84.52 | 4.31 | 0.051 | 88.32 | 5.56 | 0.063 | 91.13 | 4.01 | 0.044 |
| AMI-5 | 19.95 | 10.4 | 0.521 | 38.36 | 21.81 | 0.569 | 46.01 | 23.1 | 0.502 |
| AMI-10 | 17.42 | 9.13 | 0.524 | 37.6 | 22.62 | 0.602 | 46.91 | 23.57 | 0.502 |

eTable 4b – Between-hospital Variation in Exclusion Rate (Covariance Parameter Estimates)

| Covariance Parameter Estimates | | | |
|--------------------------------|----------|-----------|---|
| | Estimate | Std. Dev. | OR for hospital with 1sd above average exclusion risk to hospital 1sd below average |
| AMI-1 | 0.667 | 0.077 | 5.12 |
| AMI-8a | 0.961 | 0.142 | 7.10 |
| AMI-2 | 0.991 | 0.112 | 7.32 |
| AMI-3 | 0.114 | 0.016 | 1.96 |
| AMI-5 | 0.691 | 0.079 | 5.27 |
| AMI-10 | 0.892 | 0.106 | 6.61 |

eTable 5 – Unadjusted Patient Characteristics in the Included and Excluded Groups for All Measures

| | Aspirin at arrival [AMI-1] | | PCI Within 90 minutes [AMI-8a] | | ACEi/ARB for LVSD [AMI-3] | | | | | |
|---------------------------------|-------------------------------|--------------|-----------------------------------|----------|------------------------------|--------------|---|--------------|--------------|---|
| | Included | Excluded | Included | Excluded | Included | Excluded | | | | |
| n | 128,310 | 34,834 | 16,231 | 146,912 | 24,353 | 138,791 | | | | |
| % | 78.65% | 21.35% | 9.95% | 90.05% | 14.93% | 85.07% | | | | |
| Hospital Characteristics | | | | | | | | | | |
| Teaching status | | | | | | | | | | |
| <i>COTH Teaching</i> | % | 83.53% | 82.39% | * | 81.90% | 83.44% | * | 87.09% | 82.62% | * |
| <i>Non-COTH Teaching</i> | % | 8.05% | 8.13% | | 8.19% | 8.06% | | 6.51% | 8.34% | |
| <i>Non-teaching</i> | % | 8.42% | 9.47% | | 9.90% | 8.51% | | 6.40% | 9.04% | |
| PCI capable | % | 97.11% | 94.31% | * | 99.77% | 96.16% | * | 97.91% | 96.27% | * |
| Bed size | | | | | | | | | | |
| <200 | % | 5.51% | 7.14% | * | 5.33% | 5.92% | * | 3.98% | 6.19% | * |
| 200-499 | % | 34.70% | 34.99% | | 37.61% | 34.45% | | 33.07% | 35.06% | |
| >=500 | % | 59.79% | 57.87% | | 57.06% | 59.63% | | 62.95% | 58.75% | |
| Patient characteristics | | | | | | | | | | |
| Age (Years) | \bar{x} (SD) | 65.41(14.01) | 66.91(14.41) | * | 60.43(12.54) | 66.32(14.15) | * | 65.62(13.83) | 65.75(14.15) | |
| Male | % | 63.72% | 62.63% | | 73.85% | 62.34% | * | 67.82% | 62.73% | * |
| Race | | | | | | | | | | |
| <i>White</i> | % | 70.97% | 77.64% | * | 71.58% | 72.48% | * | 69.35% | 72.92% | * |
| <i>Black</i> | % | 17.25% | 11.59% | | 14.08% | 16.27% | | 19.38% | 15.46% | |
| <i>Asian/Pacific</i> | % | 2.58% | 1.62% | | 3.17% | 2.29% | | 2.20% | 2.41% | |
| <i>Other</i> | % | 9.20% | 9.14% | | 11.18% | 8.97% | | 9.07% | 9.21% | |
| Hispanic | % | 5.30% | 3.17% | * | 6.21% | 4.70% | * | 5.35% | 4.76% | * |

* Statistically Significant ($p < 0.001$)

eTable 5 – Unadjusted Patient Characteristics in the Included and Excluded Groups for All Measures (Continued)

| | Aspirin at arrival [AMI-1] | | PCI Within 90 minutes [AMI-8a] | | ACEi/ARB for LVSD [AMI-3] | | | | | |
|---------------------------------------|-------------------------------|----------|-----------------------------------|----------|------------------------------|----------|---|--------|--------|---|
| | Included | Excluded | Included | Excluded | Included | Excluded | | | | |
| n | 128,310 | 34,834 | 16,231 | 146,912 | 24,353 | 138,791 | | | | |
| % | 78.65% | 21.35% | 9.95% | 90.05% | 14.93% | 85.07% | | | | |
| Primary payer | | | | | | | | | | |
| <i>Commercial</i> | % | 25.96% | 26.15% | * | 38.51% | 24.62% | * | 21.24% | 26.83% | * |
| <i>Medicaid</i> | % | 8.83% | 7.19% | | 8.94% | 8.43% | | 10.76% | 8.08% | |
| <i>Medicare</i> | % | 50.70% | 53.81% | | 32.65% | 53.43% | | 53.55% | 50.98% | |
| <i>Other</i> | % | 14.51% | 12.85% | | 19.91% | 13.52% | | 14.46% | 14.11% | |
| Weekend admission | % | 25.84% | 24.41% | * | 27.31% | 25.34% | * | n/a | n/a | |
| Weekend discharge | % | n/a | n/a | | n/a | n/a | | 19.55% | 20.23% | |
| Admission source | | | | | | | | | | |
| <i>Direct admission</i> | % | 52.10% | 27.26% | * | 71.76% | 44.04% | * | 44.45% | 47.21% | * |
| <i>ED/Transfer from same facility</i> | % | 17.53% | 13.26% | | 25.23% | 15.67% | | 16.87% | 16.57% | |
| <i>Transfer from other facility</i> | % | 28.85% | 58.53% | | 1.29% | 38.93% | | 37.24% | 34.83% | |
| <i>Other</i> | % | 1.52% | 0.94% | | 1.71% | 1.36% | | 1.45% | 1.39% | |
| Discharge destination | | | | | | | | | | |
| <i>Home</i> | % | 70.34% | 52.12% | * | 83.19% | 64.60% | * | 70.64% | 65.72% | * |
| <i>Expired</i> | % | 3.36% | 12.11% | | 3.40% | 5.43% | | 0% | 6.15% | |
| <i>Hospice</i> | % | 0.86% | 1.84% | | 0.29% | 1.15% | | 0.02% | 1.25% | |
| <i>Discharge to another hospital</i> | % | 24.88% | 31.99% | | 12.43% | 27.95% | | 29.30% | 25.89% | |
| <i>Left against Medical advice</i> | % | 0.56% | 1.94% | | 0.69% | 0.87% | | 0.04% | 0.99% | |
| ICU stay | % | 54.44% | 53.84% | | 81.15% | 51.35% | * | 59.28% | 53.44% | * |

* Statistically Significant ($p < 0.001$)

eTable 5 – Unadjusted Patient Characteristics in the Included and Excluded Groups for All Measures (Continued)

| | Aspirin at arrival [AMI-1] | | PCI Within 90 minutes [AMI-8a] | | ACEi/ARB for LVSD [AMI-3] | | | | |
|----------------------------|-------------------------------|----------|-----------------------------------|----------|------------------------------|----------|--------|--------|---|
| | Included | Excluded | Included | Excluded | Included | Excluded | | | |
| n | 128,310 | 34,834 | 16,231 | 146,912 | 24,353 | 138,791 | | | |
| % | 78.65% | 21.35% | 9.95% | 90.05% | 14.93% | 85.07% | | | |
| Admission SOI | | | | | | | | | |
| Low | 23.10% | 20.07% | * | 34.53% | 21.12% | * | 11.36% | 24.40% | * |
| Moderate | 44.31% | 37.52% | | 43.99% | 42.74% | | 42.93% | 42.85% | |
| High | 24.94% | 27.93% | | 14.43% | 26.81% | | 35.28% | 23.88% | |
| Extreme | 7.65% | 14.49% | | 7.04% | 9.34% | | 10.43% | 8.87% | |
| Admission ROM | | | | | | | | | |
| Low | 31.89% | 28.38% | * | 40.61% | 30.09% | * | 11.69% | 34.55% | * |
| Moderate | 35.88% | 31.29% | | 41.79% | 34.14% | | 44.35% | 33.24% | |
| High | 24.55% | 26.22% | | 10.46% | 26.50% | | 33.40% | 23.41% | |
| Extreme | 7.69% | 14.11% | | 7.14% | 9.27% | | 10.56% | 8.79% | |
| Hospitalization SOI | | | | | | | | | |
| Low | 20.61% | 18.13% | * | 28.82% | 19.12% | * | 9.39% | 21.96% | * |
| Moderate | 38.63% | 32.76% | | 40.84% | 37.00% | | 35.44% | 37.72% | |
| High | 27.23% | 27.95% | | 17.15% | 28.52% | | 37.10% | 25.68% | |
| Extreme | 13.52% | 21.16% | | 13.19% | 15.37% | | 18.07% | 14.64% | |
| Hospitalization ROM | | | | | | | | | |
| Low | 28.86% | 26.42% | * | 34.24% | 27.62% | * | 10.07% | 31.47% | * |
| Moderate | 30.62% | 27.21% | | 38.90% | 28.81% | | 35.87% | 28.75% | |
| High | 26.60% | 26.16% | | 13.52% | 27.93% | | 35.45% | 24.93% | |
| Extreme | 13.91% | 20.21% | | 13.34% | 15.64% | | 18.61% | 14.86% | |

* Statistically Significant (p<0.001)

eTable 5 – Unadjusted Patient Characteristics in the Included and Excluded Groups for All Measures (Continued)

| | | Aspirin at arrival [AMI-1] | | PCI Within 90 minutes [AMI-8a] | | ACEi/ARB for LVSD [AMI-3] | | | | |
|-------------------------------------|----------------|-------------------------------|--------------|-----------------------------------|-------------|------------------------------|----------|--------------|--------------|---|
| | | Included | Excluded | Included | Excluded | Included | Excluded | | | |
| n | | 128,310 | 34,834 | 16,231 | 146,912 | 24,353 | 138,791 | | | |
| % | | 78.65% | 21.35% | 9.95% | 90.05% | 14.93% | 85.07% | | | |
| Comorbidities | | | | | | | | | | |
| Number of HCC Categories | \bar{x} (SD) | 10.22 (4.61) | 10.17 (4.55) | | 8.23 (3.77) | 10.43 (4.63) | * | 10.89 (4.36) | 10.09 (4.63) | * |
| Number of Comorbidities | \bar{x} (SD) | 1.90 (1.30) | 1.94 (1.33) | * | 1.28 (1.04) | 1.98 (1.31) | * | 2.01 (1.29) | 1.89 (1.31) | * |
| <i>Hypertension</i> | % | 71.71% | 69.58% | * | 64.34% | 72.02% | * | 70.35% | 71.41% | |
| <i>Stroke</i> | % | 0.67% | 0.95% | * | 0.38% | 0.77% | * | 0.88% | 0.71% | |
| <i>Cerebrovascular Disease</i> | % | 4.45% | 4.43% | | 1.48% | 4.77% | * | 4.30% | 4.47% | |
| <i>Renal failure</i> | % | 25.87% | 25.92% | | 10.53% | 27.58% | * | 26.35% | 25.80% | |
| <i>COPD</i> | % | 14.86% | 16.46% | * | 7.97% | 16.00% | * | 17.76% | 14.75% | * |
| <i>Pneumonia</i> | % | 7.48% | 8.92% | * | 3.76% | 8.23% | * | 9.65% | 7.46% | * |
| <i>Diabetes</i> | % | 38.82% | 37.20% | * | 26.22% | 39.83% | * | 43.60% | 37.57% | * |
| <i>Protein/Calorie Malnutrition</i> | % | 2.54% | 2.86% | | 1.09% | 2.78% | * | 2.76% | 2.58% | |
| <i>Dementia</i> | % | 3.58% | 5.16% | * | 1.39% | 4.20% | * | 3.66% | 3.97% | |
| <i>Functional Disorder</i> | % | 0.83% | 0.98% | | 0.33% | 0.93% | * | 1.03% | 0.84% | |
| <i>Peripheral Vascular Disease</i> | % | 13.46% | 15.26% | * | 6.36% | 14.67% | * | 14.89% | 13.66% | * |
| <i>Metastatic Cancer</i> | % | 1.56% | 2.08% | * | 0.92% | 1.76% | * | 1.34% | 1.73% | * |
| <i>Psychiatric Disease</i> | % | 2.98% | 2.53% | * | 2.43% | 2.93% | | 3.10% | 2.84% | |
| <i>Liver disease</i> | % | 1.49% | 1.46% | | 0.97% | 1.54% | * | 1.36% | 1.51% | |

* Statistically Significant ($p < 0.001$)

eTable 5 – Unadjusted Patient Characteristics in the Included and Excluded Groups for All Measures (Continued)

| | | Aspirin at discharge [AMI-2] | | β-Blocker at discharge [AMI-5] | | Statin at discharge ^a [AMI-10] | | | | |
|---------------------------------|----------------|---------------------------------|--------------|-----------------------------------|--------------|--|----------|--------------|--------------|---|
| | | Included | Excluded | Included | Excluded | Included | Excluded | | | |
| n | | 134,108 | 29,036 | 129,073 | 34,071 | 88,939 | 20,354 | | | |
| % | | 82.20% | 17.80% | 79.12% | 20.88% | 81.38% | 18.62% | | | |
| Hospital Characteristics | | | | | | | | | | |
| Teaching status | | | | | | | | | | |
| <i>COTH Teaching</i> | % | 86.25% | 69.57% | * | 86.03% | 72.89% | * | 86.17% | 70.38% | * |
| <i>Non-COTH Teaching</i> | % | 6.89% | 13.51% | | 6.97% | 12.25% | | 6.48% | 11.88% | |
| <i>Non-teaching</i> | % | 6.85% | 16.92% | | 7.01% | 14.85% | | 7.35% | 17.74% | |
| PCI capable | % | 98.22% | 88.54% | * | 98.16% | 90.25% | * | 98.23% | 88.28% | * |
| Bed size | | | | | | | | | | |
| <200 | % | 4.39% | 12.65% | * | 4.48% | 11.10% | * | 4.15% | 12.74% | * |
| 200-499 | % | 33.58% | 40.20% | | 33.84% | 38.24% | | 33.30% | 38.79% | |
| >=500 | % | 62.03% | 47.15% | | 61.68% | 50.66% | | 62.55% | 48.47% | |
| Patient characteristics | | | | | | | | | | |
| Age (Years) | \bar{x} (SD) | 64.80(13.80) | 70.01(14.69) | * | 64.87(13.79) | 68.99(14.81) | * | 64.92(13.66) | 69.75(14.84) | * |
| Male | % | 64.42% | 59.21% | * | 64.28% | 60.49% | * | 64.64% | 58.76% | * |
| Race | | | | | | | | | | |
| <i>White</i> | % | 72.15% | 73.46% | * | 72.20% | 73.09% | * | 72.67% | 74.75% | * |
| <i>Black</i> | % | 16.33% | 14.76% | | 16.33% | 15.00% | | 16.47% | 14.85% | |
| <i>Asian/Pacific</i> | % | 2.34% | 2.54% | | 2.31% | 2.60% | | 2.39% | 238.00% | |
| <i>Other</i> | % | 9.18% | 9.25% | | 9.16% | 9.31% | | 8.47% | 8.03% | |
| Hispanic | % | 4.88% | 4.69% | | 4.88% | 4.73% | | 4.73% | 4.29% | |

* Statistically Significant ($p < 0.001$)

^a For 2010 Q4 onward

eTable 5 – Unadjusted Patient Characteristics in the Included and Excluded Groups for All Measures (Continued)

| | Aspirin at discharge [AMI-2] | | β-Blocker at discharge [AMI-5] | | Statin at discharge ^a [AMI-10] | | | | | |
|---------------------------------------|---------------------------------|----------|-----------------------------------|----------|--|----------|---|--------|--------|---|
| | Included | Excluded | Included | Excluded | Included | Excluded | | | | |
| n | 134,108 | 29,036 | 129,067 | 34,070 | 88,939 | 20,354 | | | | |
| % | 82.20% | 17.80% | 79.12% | 20.88% | 81.38% | 18.62% | | | | |
| Primary payer | | | | | | | | | | |
| <i>Commercial</i> | % | 27.51% | 19.03% | * | 27.36% | 20.86% | * | 26.87% | 19.07% | * |
| <i>Medicaid</i> | % | 8.64% | 7.76% | | 8.62% | 7.95% | | 8.79% | 7.86% | |
| <i>Medicare</i> | % | 49.28% | 60.96% | | 49.60% | 58.01% | | 50.10% | 61.29% | |
| <i>Other</i> | % | 14.57% | 12.24% | | 14.42% | 13.17% | | 14.24% | 11.78% | |
| Weekend admission | % | n/a | n/a | | n/a | n/a | | n/a | n/a | |
| Weekend discharge | % | 20.03% | 20.58% | | 20.07% | 20.33% | | 20.42% | 20.38% | |
| Admission source | | | | | | | | | | |
| <i>Direct admission</i> | % | 46.76% | 46.98% | * | 46.58% | 47.64% | * | 61.33% | 65.91% | * |
| <i>ED/Transfer from same facility</i> | % | 15.56% | 21.50% | | 15.69% | 20.12% | | 0.17% | 0.21% | |
| <i>Transfer from other facility</i> | % | 36.35% | 29.83% | | 36.39% | 30.62% | | 37.13% | 31.95% | |
| <i>Other</i> | % | 1.33% | 1.70% | | 1.34% | 1.61% | | 1.38% | 1.93% | |
| Discharge destination | | | | | | | | | | |
| <i>Home</i> | % | 76.29% | 21.02% | * | 75.92% | 30.57% | * | 76.07% | 24.17% | * |
| <i>Expired</i> | % | 0.00% | 29.37% | | 0.00% | 25.03% | | 0% | 28.01% | |
| <i>Hospice</i> | % | 0.02% | 5.89% | | 0.02% | 5.02% | | 0.03% | 5.80% | |
| <i>Discharge to another hospital</i> | % | 23.66% | 39.07% | | 24.03% | 35.41% | | 23.86% | 37.53% | |
| <i>Left against Medical advice</i> | % | 0.03% | 4.66% | | 0.03% | 3.97% | | 0.03% | 4.50% | |
| ICU stay | % | 53.53% | 57.93% | * | 53.55% | 57.21% | * | 53.41% | 55.42% | * |

* Statistically Significant (p<0.001)

^a For 2010 Q4 onward

eTable 5 – Unadjusted Patient Characteristics in the Included and Excluded Groups for All Measures (Continued)

| | Aspirin at discharge [AMI-2] | | β-Blocker at discharge [AMI-5] | | Statin at discharge [AMI-10] | |
|----------------------------|---------------------------------|----------|-----------------------------------|----------|---------------------------------|----------|
| | Included | Excluded | Included | Excluded | Included | Excluded |
| n | 134,108 | 29,036 | 129,067 | 34,070 | 88,939 | 20,354 |
| % | 82.20% | 17.80% | 79.12% | 20.88% | 81.38% | 18.62% |
| Admission SOI | | | | | | |
| Low | 13.23% | 24.45% | * 23.93% | 16.85% | * 24.74% | 14.25% |
| Moderate | 30.25% | 45.59% | 45.58% | 32.56% | 47.68% | 34.04% |
| High | 32.45% | 24.09% | 24.56% | 29.43% | 22.88% | 31.18% |
| Extreme | 24.07% | 5.87% | 5.93% | 21.16% | 4.70% | 20.52% |
| Admission ROM | | | | | | |
| Low | 34.18% | 1711.00% | * 33.33% | 22.85% | * 33.69% | 18.70% |
| Moderate | 37.33% | 23.65% | 37.77% | 24.03% | 38.38% | 24.58% |
| High | 22.73% | 34.94% | 23.10% | 31.73% | 22.90% | 35.14% |
| Extreme | 5.76% | 24.31% | 5.80% | 21.39% | 5.03% | 21.57% |
| Hospitalization SOI | | | | | | |
| Low | 21.87% | 11.81% | * 21.38% | 15.16% | * 22.07% | 12.74% |
| Moderate | 40.22% | 24.25% | 40.11% | 27.05% | 41.61% | 27.04% |
| High | 27.12% | 28.61% | 27.63% | 26.47% | 26.56% | 28.26% |
| Extreme | 10.78% | 35.34% | 10.88% | 31.32% | 9.76% | 31.95% |
| Hospitalization ROM | | | | | | |
| Low | 31.13% | 15.21% | * 30.31% | 20.62% | * 30.32% | 16.61% |
| Moderate | 32.28% | 18.51% | 32.62% | 19.20% | 32.91% | 18.57% |
| High | 25.78% | 29.76% | 26.21% | 27.58% | 26.53% | 30.15% |
| Extreme | 10.80% | 36.52% | 10.86% | 32.59% | 10.24% | 34.67% |

* Statistically Significant ($p < 0.001$)

^a For 2010 Q4 onward

eTable 5 – Unadjusted Patient Characteristics in the Included and Excluded Groups for All Measures (Continued)

| | | Aspirin at discharge [AMI-2] | | | β-Blocker at discharge [AMI-5] | | | Statin at discharge [AMI-10] | | |
|-------------------------------------|----------------|---------------------------------|--------------|---|-----------------------------------|--------------|---|---------------------------------|--------------|---|
| | | Included | Excluded | | Included | Excluded | | Included | Excluded | |
| n | | 134,108 | 29,036 | | 129,073 | 34,071 | | 88,939 | 20,354 | |
| % | | 82.20% | 17.80% | | 79.12% | 20.88% | | 81.38% | 18.62% | |
| Comorbidities | | | | | | | | | | |
| Number of HCC Categories | \bar{x} (SD) | 9.88 (4.41) | 11.73 (5.10) | * | 9.94 (4.41) | 11.25 (5.10) | * | 10.19 (4.58) | 12.02 (5.35) | * |
| Number of HCC Comorbidities | \bar{x} (SD) | 1.84 (1.27) | 2.25 (1.40) | * | 1.86 (1.27) | 2.11 (1.41) | * | 1.86 (1.27) | 2.24 (1.40) | * |
| <i>Hypertension</i> | % | 71.88% | 68.33% | * | 72.46% | 66.69% | * | 72.57% | 68.76% | * |
| <i>Stroke</i> | % | 0.52% | 1.74% | * | 0.56% | 1.38% | * | 0.49% | 1.38% | |
| <i>Cerebrovascular Disease</i> | % | 4.30% | 5.10% | * | 4.35% | 4.78% | | 4.52% | 4.97% | |
| <i>Renal failure</i> | % | 23.45% | 37.10% | * | 23.81% | 33.70% | * | 24.23% | 37.90% | * |
| <i>COPD</i> | % | 14.48% | 18.53% | * | 14.39% | 18.29% | * | 14.97% | 18.45% | * |
| <i>Pneumonia</i> | % | 6.40% | 14.20% | * | 6.42% | 12.98% | * | 6.17% | 13.83% | * |
| <i>Diabetes</i> | % | 38.25% | 39.50% | * | 38.95% | 36.69% | * | 39.17% | 39.21% | |
| <i>Protein/Calorie Malnutrition</i> | % | 2.00% | 5.43% | * | 1.99% | 4.95% | * | 2.10% | 5.81% | * |
| <i>Dementia</i> | % | 3.18% | 7.36% | * | 3.21% | 6.60% | * | 2.66% | 5.77% | * |
| <i>Functional Disorder</i> | % | 0.77% | 1.32% | * | 0.79% | 1.14% | * | 0.75% | 1.04% | * |
| <i>Peripheral Vascular Disease</i> | % | 13.10% | 17.29% | * | 13.30% | 15.90% | * | 13.19% | 16.83% | * |
| <i>Metastatic Cancer</i> | % | 1.24% | 3.69% | * | 1.29% | 3.13% | * | 1.28% | 3.54% | * |
| <i>Psychiatric Disease</i> | % | 2.82% | 3.18% | | 2.80% | 3.21% | * | 2.96% | 3.41% | |
| <i>Liver disease</i> | % | 1.30% | 2.32% | * | 1.34% | 2.03% | * | 1.25% | 2.76% | * |

* Statistically Significant ($p < 0.001$)

^a For 2010 Q4 onward

eTable 6– Generalized linear mixed-effects models Predicting Exclusion for Each Measure

| | Aspirin at arrival [AMI 1] | PCI within 90 minutes [AMI 8a] | ACEI/ARB for LVSD [AMI 3] | Aspirin at discharge [AMI 2] | β-Blocker at discharge [AMI 5] | Statin at discharge [AMI 10] |
|---------------------------------------|---------------------------------------|---|--|---|---|---|
| Age | 1.003 (1.002,1.004) | 1.011 (1.009, 1.012) | 1.003 (1.001, 1.004) | 1.016 (1.015, 1.018) | 1.015 (1.014, 1.017) | 1.014 (1.012, 1.015) |
| Gender (Male) | 0.99 (0.96,1.01) | 0.76 (0.73, 0.79) | 0.73 (0.71, 0.75) | 1.00 (0.97, 1.03) | 1.01 (0.98, 1.04) | 0.94 (0.91, 0.97) |
| Race (Asian/Pacific vs White) | 0.76 (0.69, 0.83) | 0.90 (0.81, 1.00) | 1.04 (0.94, 1.15) | 0.93 (0.84, 1.02) | 0.96 (0.88, 1.04) | 0.86 (0.77, 0.96) |
| Race (Black vs White) | 0.70 (0.67, 0.73) | 0.97 (0.92, 1.03) | 0.83 (0.79, 0.86) | 0.92 (0.88, 0.96) | 0.95 (0.91, 0.99) | 0.89 (0.84, 0.94) |
| Race (Other vs White) | 1.36 (1.29, 1.43) | 0.96 (0.90, 1.03) | 1.08 (1.01, 1.14) | 1.15 (1.09, 1.23) | 1.11 (1.05, 1.18) | 1.08 (1.00, 1.16) |
| Ethnicity (Hispanic vs Non) | 0.61 (0.56, 0.66) | 0.94 (0.86, 1.03) | 0.86 (0.79, 0.93) | 0.77 (0.70, 0.83) | 0.83 (0.77, 0.90) | 0.82 (0.74, 0.90) |
| Payer (Medicaid vs Commercial) | 0.99 (0.94, 1.04) | 1.21 (1.14, 1.30) | 0.70 (0.66, 0.74) | 1.16 (1.09, 1.23) | 1.13 (1.07, 1.19) | 1.19 (1.10, 1.28) |
| Payer (Medicare vs Commercial) | 1.01 (0.98, 1.05) | 1.35 (1.29, 1.42) | 0.81 (0.78, 0.85) | 1.06 (1.01, 1.11) | 1.00 (0.96, 1.04) | 1.08 (1.03, 1.14) |
| Payer (Other vs Commercial) | 1.10 (1.05, 1.15) | 1.11 (1.05, 1.17) | 0.87 (0.82, 0.91) | 1.29 (1.23, 1.36) | 1.24 (1.18, 1.30) | 1.31 (1.23, 1.39) |
| Weekend Admission | 0.91 (0.88, 0.93) | 0.93 (0.90, 0.97) | n/a | n/a | n/a | n/a |
| Weekend discharge | n/a | n/a | 1.02 (0.98, 1.06) | 1.17 (1.13, 1.21) | 1.11 (1.07, 1.14) | 1.11 (1.07, 1.16) |
| Admission SOI (2 vs 1) | 1.04 (1.00, 1.07) | 1.07 (1.03, 1.11) | 0.44 (0.42, 0.46) | 1.07 (1.02, 1.12) | 0.92 (0.89, 0.96) | 1.09 (1.03, 1.15) |
| Admission SOI (3 vs 1) | 1.53 (1.46, 1.59) | 1.21 (1.15, 1.29) | 0.26 (0.24, 0.27) | 1.76 (1.67, 1.85) | 1.22 (1.16, 1.27) | 1.65 (1.56, 1.76) |
| Admission SOI (4 vs 1) | 2.85 (2.70, 3.00) | 0.80 (0.74, 0.87) | 0.30 (0.28, 0.32) | 6.46 (6.11, 6.83) | 4.06 (3.86, 4.27) | 6.24 (5.84, 6.67) |
| ICU stay | n/a | n/a | 0.94 (0.91, 0.97) | 0.97 (0.94, 1.01) | 0.97 (0.94, 1.00) | 0.84 (0.81, 0.87) |
| Atherosclerosis | 0.80 (0.77, 0.82) | 0.71 (0.67, 0.75) | 0.67 (0.64, 0.70) | 0.54 (0.52, 0.56) | 0.59 (0.57, 0.61) | 0.49 (0.47, 0.51) |
| Valvular Disease | 0.91 (0.87, 0.94) | 1.57 (1.47, 1.68) | 0.80 (0.77, 0.83) | 1.04 (1.00, 1.08) | 0.99 (0.95, 1.03) | 1.00 (0.95, 1.04) |
| Hypertension | 0.93 (0.91, 0.96) | 1.21 (1.16, 1.25) | 1.09 (1.06, 1.13) | 0.86 (0.83, 0.89) | 0.77 (0.75, 0.79) | 0.86 (0.82, 0.89) |
| Stroke | 0.93 (0.81, 1.06) | 1.24 (0.95, 1.62) | 1.00 (0.86, 1.17) | 1.55 (1.36, 1.76) | 1.24 (1.09, 1.41) | 1.32 (1.11, 1.56) |
| Cerebrovascular Disease | 0.94 (0.89, 1.00) | 1.82 (1.60, 2.08) | 1.22 (1.14, 1.31) | 0.89 (0.84, 0.95) | 0.90 (0.84, 0.96) | 0.85 (0.79, 0.92) |
| Renal Failure | 0.78 (0.75, 0.80) | 2.06 (1.95, 2.19) | 1.45 (1.40, 1.50) | 1.09 (1.05, 1.13) | 1.06 (1.03, 1.09) | 1.20 (1.15, 1.25) |
| COPD | 1.02 (0.98, 1.06) | 1.50 (1.41, 1.60) | 0.94 (0.91, 0.98) | 0.95 (0.92, 0.99) | 1.06 (1.02, 1.10) | 0.94 (0.90, 0.98) |
| Pneumonia | 0.83 (0.79, 0.87) | 1.52 (1.39, 1.67) | 0.95 (0.90, 1.00) | 0.94 (0.89, 0.98) | 0.99 (0.94, 1.03) | 1.01 (0.96, 1.07) |
| Diabetes | 0.98 (0.95, 1.01) | 1.46 (1.40, 1.52) | 0.88 (0.85, 0.90) | 0.95 (0.92, 0.98) | 0.85 (0.83, 0.88) | 0.90 (0.87, 0.94) |
| Protein/Calorie Malnutrition | 0.82 (0.76, 0.88) | 1.42 (1.21, 1.66) | 1.18 (1.09, 1.29) | 1.17 (1.09, 1.26) | 1.22 (1.14, 1.31) | 1.23 (1.13, 1.34) |
| Dementia | 1.20 (1.13, 1.28) | 1.56 (1.36, 1.80) | 1.08 (1.00, 1.17) | 1.27 (1.19, 1.35) | 1.25 (1.18, 1.33) | 1.25 (1.15, 1.36) |
| Functional Disorder | 0.98 (0.86, 1.12) | 1.94 (1.47, 2.58) | 1.02 (0.89, 1.18) | 0.96 (0.84, 1.10) | 0.94 (0.82, 1.07) | 0.81 (0.68, 0.97) |
| Peripheral Vascular Disease | 1.04 (1.00, 1.08) | 1.53 (1.43, 1.63) | 1.06 (1.01, 1.10) | 1.07 (1.03, 1.12) | 1.02 (0.98, 1.06) | 1.06 (1.01, 1.11) |
| Metastatic Cancer | 1.15 (1.05, 1.26) | 1.37 (1.15, 1.62) | 1.53 (1.36, 1.72) | 2.31 (2.12, 2.52) | 1.88 (1.72, 2.04) | 2.04 (1.83, 2.27) |
| Psychiatric Disease | 0.85 (0.78, 0.91) | 1.04 (0.93, 1.16) | 1.01 (0.93, 1.10) | 1.03 (0.95, 1.12) | 1.07 (1.00, 1.16) | 1.04 (0.95, 1.15) |
| Liver Disease | 0.95 (0.86, 1.06) | 1.41 (1.19, 1.67) | 1.49 (1.32, 1.68) | 1.38 (1.25, 1.52) | 1.19 (1.08, 1.31) | 1.79 (1.60, 2.01) |

eTable 7 – Patient Characteristics in the 1st and 10th Deciles of the Propensity Score Distribution

| | | Aspirin at arrival | | PCI within 90 minutes | | ACEi/ARB for LVSD | |
|---------------------------------------|----------------|--------------------|---------------|-----------------------|---------------|-------------------|---------------|
| | | [AMI-1] | | [AMI-8a] | | [AMI-3] | |
| | | Decile 1 | Decile 10 | Decile 1 | Decile 10 | Decile 1 | Decile 10 |
| Exclusion Rate (All Deciles) | % | 21.35% | | 90.06% | | 85.07% | |
| n Excluded | n | 1,946 | 5,647 | 12,676 | 15,825 | 11,809 | 15,228 |
| % Excluded | % | 12.08% | 35.06% | 78.71% | 98.26% | 73.32% | 94.55% |
| Age (Years) | \bar{x} (SD) | 60.22 (13.06) | 70.80 (14.16) | 50.32 (8.58) | 78.08 (10.80) | 62.44 (12.93) | 61.96 (12.56) |
| Male | % | 61.65 | 58.01 | 96.54 | 40.46 | 88.12 | 47.34 |
| Race | | | | | | | |
| <i>White</i> | % | 15.38 | 76.56 | 72.44 | 75.23 | 64.71 | 77.39 |
| <i>Black</i> | % | 74.53 | 5.12 | 10.97 | 17.40 | 24.64 | 9.64 |
| <i>Asian/Pacific</i> | % | 6.02 | 1.19 | 3.51 | 1.65 | 1.85 | 2.74 |
| <i>Other</i> | % | 4.06 | 17.13 | 13.08 | 5.71 | 8.80 | 10.23 |
| Hispanic | % | 11.12 | 2.66 | 6.61 | 2.86 | 7.76 | 2.82 |
| Primary payer | | | | | | | |
| <i>Commercial</i> | % | 23.61 | 18.69 | 69.32 | 3.59 | 10.38 | 54.03 |
| <i>Medicaid</i> | % | 18.79 | 6.75 | 5.27 | 3.92 | 19.15 | 2.86 |
| <i>Medicare</i> | % | 42.60 | 63.38 | 0.85 | 90.52 | 56.25 | 27.59 |
| <i>Other</i> | % | 15.00 | 11.18 | 24.56 | 1.96 | 14.21 | 15.52 |
| Weekend admission | % | 35.76 | 23.23 | 33.35 | 22.83 | n/a | n/a |
| Weekend discharge | % | n/a | n/a | n/a | n/a | 17.42 | 22.05 |
| Admission Source | | | | | | | |
| <i>Direct admission</i> | % | 59.70 | 37.23 | 45.91 | 46.07 | 43.46 | 49.68 |
| <i>ED/Transfer from same facility</i> | % | 15.56 | 22.57 | 18.50 | 16.47 | 17.27 | 16.07 |
| <i>Transfer from other facility</i> | % | 23.06 | 38.83 | 34.13 | 36.21 | 38.18 | 32.25 |
| <i>Other</i> | % | 1.68 | 1.37 | 1.47 | 1.25 | 1.09 | 2.00 |
| Discharge destination | | | | | | | |
| <i>Home</i> | % | 79.08 | 29.73 | 90.51 | 31.74 | 57.41 | 85.87 |
| <i>Expired</i> | % | 1.37 | 25.49 | 1.61 | 10.02 | 6.23 | 0.46 |
| <i>Hospice</i> | % | 0.29 | 3.59 | 0.09 | 4.04 | 0.75 | 0.23 |
| <i>Discharge to another hospital</i> | % | 17.97 | 40.75 | 6.87 | 53.81 | 34.64 | 12.54 |
| <i>Left against Medical advice</i> | % | 1.29 | 0.44 | 0.92 | 0.39 | 0.97 | 0.91 |

eTable 7 – Patient Characteristics in the 1st and 10th Deciles of the Propensity Score Distribution (Cont)

| | | Aspirin at arrival [AMI-1] | | PCI within 90 minutes [AMI-8a] | | ACEi/ARB for LVSD [AMI-3] | |
|----------------------------|---|-------------------------------|-----------|-----------------------------------|-----------|------------------------------|-----------|
| | | Decile 1 | Decile 10 | Decile 1 | Decile 10 | Decile 1 | Decile 10 |
| ICU stay | % | 54.52 | 70.40 | 58.97 | 50.50 | 72.85 | 36.91 |
| Admission SOI | | | | | | | |
| <i>Low</i> | % | 29.11 | 0.74 | 59.87 | 0.74 | 2.68 | 95.56 |
| <i>Moderate</i> | % | 64.33 | 1.30 | 32.19 | 18.32 | 27.23 | 3.62 |
| <i>High</i> | % | 6.56 | 24.03 | 2.38 | 65.43 | 60.96 | 0.25 |
| <i>Extreme</i> | % | 0.00 | 73.90 | 5.55 | 15.51 | 9.13 | 0.57 |
| Admission ROM | | | | | | | |
| <i>Low</i> | % | 40.01 | 1.02 | 65.57 | 0.53 | 6.08 | 77.98 |
| <i>Moderate</i> | % | 46.54 | 6.47 | 27.16 | 18.56 | 43.81 | 16.74 |
| <i>High</i> | % | 12.85 | 30.74 | 2.27 | 62.70 | 39.77 | 4.81 |
| <i>Extreme</i> | % | 0.60 | 61.77 | 5.00 | 18.21 | 10.34 | 0.47 |
| Hospitalization SOI | | | | | | | |
| <i>Low</i> | % | 25.71 | 0.68 | 53.92 | 0.50 | 0 | 95.50 |
| <i>Moderate</i> | % | 53.76 | 1.25 | 33.04 | 12.65 | 1.97 | 3.65 |
| <i>High</i> | % | 15.48 | 20.74 | 5.84 | 57.41 | 78.65 | 0.16 |
| <i>Extreme</i> | % | 5.04 | 77.33 | 7.20 | 29.44 | 19.38 | 0.68 |
| Hospitalization ROM | | | | | | | |
| <i>Low</i> | % | 37.09 | 0.92 | 60.49 | 0.38 | 1.74 | 78.29 |
| <i>Moderate</i> | % | 39.76 | 4.79 | 27.75 | 11.56 | 25.38 | 16.58 |
| <i>High</i> | % | 17.57 | 25.44 | 4.75 | 55.44 | 51.81 | 4.57 |
| <i>Extreme</i> | % | 5.57 | 68.85 | 7.01 | 32.61 | 21.07 | 0.56 |

eTable 7 – Patient Characteristics in the 1st and 10th Deciles of the Propensity Score Distribution (Cont)

| | | Aspirin at arrival | | PCI within 90 minutes | | ACEi/ARB for LVSD | |
|---|----------------------------------|--------------------|--------------|-----------------------|--------------|-------------------|-------------|
| | | [AMI-1] | | [AMI-8a] | | [AMI-3] | |
| | | Decile 1 | Decile 10 | Decile 1 | Decile 10 | Decile 1 | Decile 10 |
| Number of HCC Categories | \bar{x} (SD) | 9.65 (4.12) | 13.53 (4.90) | 6.22 (2.53) | 15.59 (4.58) | 12.43 (4.17) | 6.32 (2.53) |
| Number of selected Comorbidities | \bar{x} (SD) | 2.09 (1.17) | 2.51 (1.45) | 0.41 (0.50) | 4.08 (1.07) | 2.03 (1.18) | 1.18 (0.91) |
| <i>Hypertension</i> | % | 82.96 | 62.08 | 38.57 | 79.52 | 65.03 | 75.69 |
| <i>Stroke</i> | % | 0.13 | 3.33 | 0.04 | 2.25 | 1.07 | 0.02 |
| <i>Cerebrovascular Disease</i> | % | 5.20 | 5.24 | 0 | 22.00 | 2.19 | 1.65 |
| <i>Renal failure</i> | % | 36.63 | 41.14 | 0.01 | 82.93 | 11.65 | 8.19 |
| <i>COPD</i> | % | 8.73 | 23.01 | 0.04 | 40.25 | 25.31 | 4.79 |
| <i>Pneumonia</i> | % | 5.89 | 23.59 | 0.43 | 26.75 | 16.09 | 0.26 |
| <i>Diabetes</i> | % | 48.68 | 38.99 | 0.83 | 65.62 | 55.92 | 15.84 |
| <i>Protein/Calorie Malnutrition</i> | % | 2.39 | 6.98 | 0.06 | 9.89 | 1.75 | 0.39 |
| <i>Dementia</i> | % | 0.74 | 12.45 | 0.01 | 18.81 | 2.28 | 1.88 |
| <i>Functional Disorder</i> | % | 0.73 | 2.20 | 0 | 4.09 | 1.34 | 0.11 |
| <i>Peripheral Vascular Disease</i> | % | 9.36 | 20.90 | 0.07 | 44.73 | 16.12 | 5.05 |
| <i>Metastatic Cancer</i> | % | 0.23 | 5.56 | 0.02 | 4.09 | 0.09 | 1.42 |
| <i>Psychiatric Disease</i> | % | 5.51 | 2.44 | 1.16 | 3.65 | 3.82 | 1.84 |
| <i>Liver disease</i> | % | 1.79 | 2.71 | 0.04 | 2.97 | 0.33 | 0.96 |

eTable 7 – Patient Characteristics in the 1st and 10th Deciles of the Propensity Score Distribution (Cont)

| | | Aspirin at discharge | | β-Blocker at discharge | | Statin at discharge | |
|---------------------------------------|----------------|----------------------|---------------|------------------------|---------------|---------------------|---------------|
| | | [AMI-2] | | [AMI-5] | | [AMI-10] | |
| | | Decile 1 | Decile 10 | Decile 1 | Decile 10 | Decile 1 | Decile 10 |
| Exclusion Rate (All Deciles) | % | 17.80% | | 20.89% | | 18.62% | |
| n Excluded | n | 1,190 | 7,774 | 1,691 | 7,947 | 812 | 5,295 |
| % Excluded | % | 7.39% | 48.27% | 10.50% | 49.34% | 7.53% | 49.10% |
| Age (Years) | \bar{x} (SD) | 48.96 (7.84) | 74.90 (11.93) | 50.92 (9.09) | 74.11 (12.46) | 50.83 (8.79) | 74.07 (12.34) |
| Male | % | 73.71 | 58.02 | 69.37 | 59.36 | 80.57 | 57.06 |
| Race | | | | | | | |
| <i>White</i> | % | 65.05 | 74.41 | 63.26 | 74.49 | 61.89 | 76.38 |
| <i>Black</i> | % | 23.61 | 12.90 | 25.44 | 12.87 | 25.09 | 12.46 |
| <i>Asian/Pacific</i> | % | 2.95 | 2.38 | 2.66 | 2.40 | 4.34 | 2.09 |
| <i>Other</i> | % | 8.39 | 10.31 | 8.64 | 10.24 | 8.68 | 9.07 |
| Hispanic | % | 9.39 | 3.14 | 8.75 | 3.36 | 8.56 | 3.14 |
| Primary payer | | | | | | | |
| <i>Commercial</i> | % | 67.15 | 9.42 | 55.31 | 12.02 | 66.34 | 9.85 |
| <i>Medicaid</i> | % | 11.61 | 6.12 | 12.52 | 6.70 | 10.64 | 6.77 |
| <i>Medicare</i> | % | 10.94 | 75.08 | 21.34 | 71.19 | 12.93 | 73.73 |
| <i>Other</i> | % | 10.30 | 9.38 | 10.84 | 10.09 | 10.09 | 9.65 |
| Weekend admission | % | n/a | n/a | n/a | n/a | n/a | n/a |
| Weekend discharge | % | 8.23 | 22.51 | 12.10 | 21.09 | 12.98 | 21.58 |
| Admission source | | | | | | | |
| <i>Direct admission</i> | % | 49.14 | 39.35 | 49.01 | 39.53 | 66.98 | 57.24 |
| <i>ED/Transfer from same facility</i> | % | 16.93 | 20.85 | 16.02 | 20.73 | 0.19 | 0.22 |
| <i>Transfer from other facility</i> | % | 32.56 | 38.64 | 33.59 | 38.51 | 31.16 | 41.35 |
| <i>Other</i> | % | 1.38 | 1.15 | 1.37 | 1.23 | 1.66 | 1.19 |
| Discharge destination | | | | | | | |
| <i>Home</i> | % | 92.14 | 20.87 | 88.76 | 22.05 | 90.73 | 20.04 |
| <i>Expired</i> | % | 0.09 | 29.88 | 0.15 | 29.35 | 0.11 | 30.35 |
| <i>Hospice</i> | % | 0.02 | 4.33 | 0.02 | 4.27 | 0.02 | 4.43 |
| <i>Discharge to another hospital</i> | % | 6.69 | 44.66 | 9.98 | 44.01 | 8.19 | 44.96 |
| <i>Against Medical Advice</i> | % | 1.05 | 0.25 | 1.09 | 0.31 | 0.96 | 0.21 |

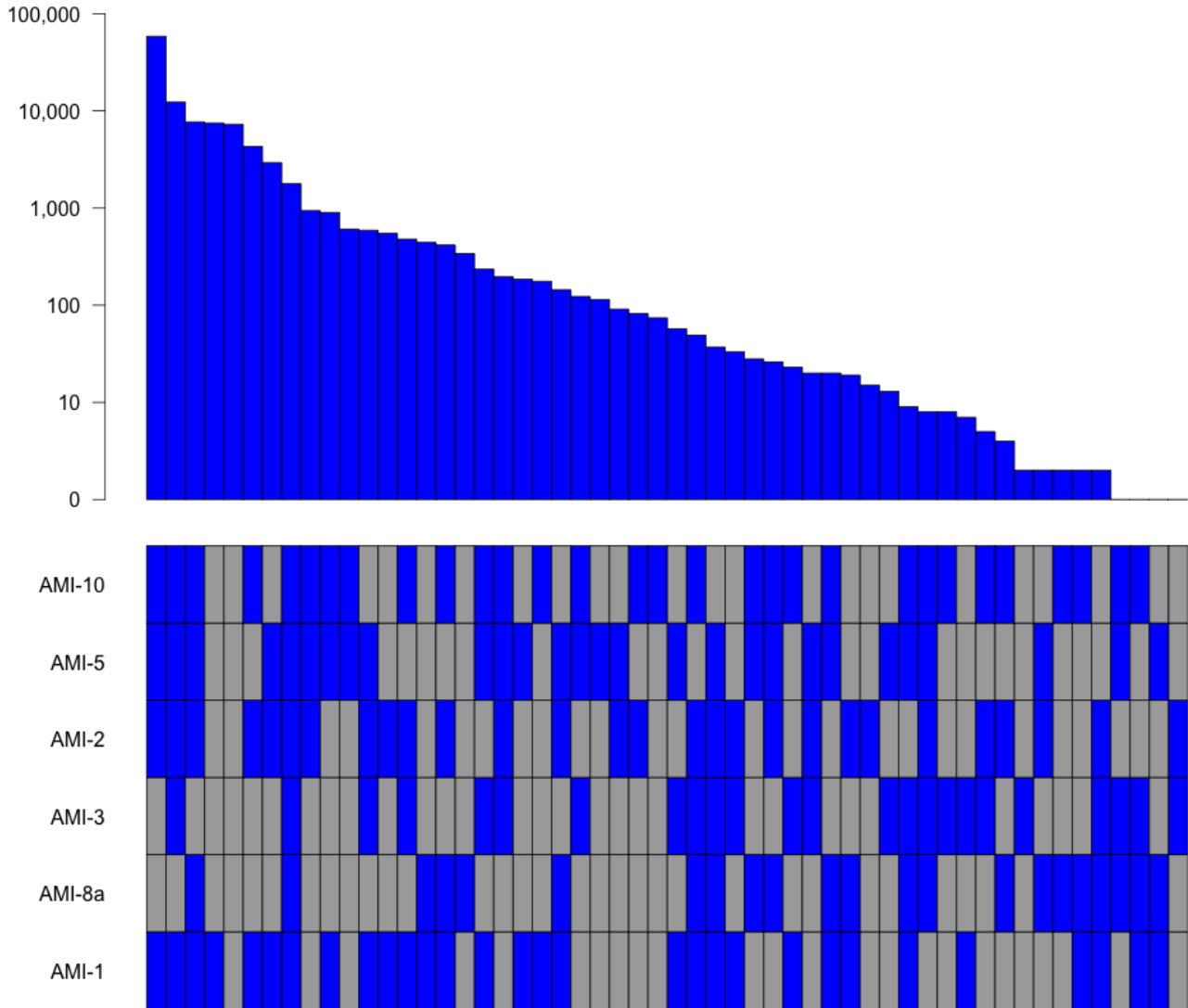
eTable 7 – Patient Characteristics in the 1st and 10th Deciles of the Propensity Score Distribution (Cont)

| | | Aspirin at discharge | | β-Blocker at discharge | | Statin at discharge | |
|----------------------------|---|----------------------|-----------|------------------------|-----------|---------------------|-----------|
| | | [AMI-2] | | [AMI-5] | | [AMI-10] | |
| | | Decile 1 | Decile 10 | Decile 1 | Decile 10 | Decile 1 | Decile 10 |
| ICU stay | % | 54.80 | 75.28 | 56.39 | 75.77 | 75.68 | 73.39 |
| Admission SOI | | | | | | | |
| <i>Low</i> | % | 54.76 | 0.62 | 29.20 | 0.76 | 53.59 | 0.76 |
| <i>Moderate</i> | % | 45.21 | 8.54 | 68.59 | 8.72 | 46.26 | 10.56 |
| <i>High</i> | % | 0.02 | 29.90 | 2.20 | 29.21 | 0.15 | 33.89 |
| <i>Extreme</i> | % | 0 | 60.95 | 0 | 61.31 | 0 | 54.78 |
| Admission ROM | | | | | | | |
| <i>Low</i> | % | 69.36 | 1.01 | 56.11 | 1.17 | 64.90 | 1.17 |
| <i>Moderate</i> | % | 29.94 | 11.00 | 41.49 | 11.21 | 34.19 | 11.93 |
| <i>High</i> | % | 0.70 | 34.86 | 2.29 | 34.26 | 0.88 | 37.47 |
| <i>Extreme</i> | % | 0.01 | 53.14 | 0.11 | 53.35 | 0.03 | 49.43 |
| Hospitalization SOI | | | | | | | |
| <i>Low</i> | % | 51.88 | 0.01 | 25.62 | 0.02 | 50.88 | 0.02 |
| <i>Moderate</i> | % | 48.09 | 0.09 | 71.25 | 0.20 | 48.90 | 0.32 |
| <i>High</i> | % | 0.03 | 3.13 | 3.13 | 2.60 | 0.22 | 6.84 |
| <i>Extreme</i> | % | 0 | 96.77 | 0 | 97.17 | 0 | 92.81 |
| Hospitalization ROM | | | | | | | |
| <i>Low</i> | % | 67.04 | 0.01 | 53.17 | 0.01 | 62.13 | 0.03 |
| <i>Moderate</i> | % | 31.85 | 0.32 | 43.09 | 0.37 | 36.17 | 0.44 |
| <i>High</i> | % | 1.08 | 15.82 | 3.45 | 15.77 | 1.57 | 17.03 |
| <i>Extreme</i> | % | 0.03 | 83.85 | 0.30 | 83.85 | 0.13 | 82.51 |

eTable 7 – Patient Characteristics in the 1st and 10th Deciles of the Propensity Score Distribution (Cont)

| | | Aspirin at discharge | | β-Blocker at discharge | | Statin at discharge | |
|-------------------------------------|----------------------------------|----------------------|--------------|------------------------|--------------|---------------------|--------------|
| | | [AMI-2] | | [AMI-5] | | [AMI-10] | |
| | | Decile 1 | Decile 10 | Decile 1 | Decile 10 | Decile 1 | Decile 10 |
| Number of HCC Categories | \bar{x} (SD) | 7.44 (2.60) | 15.04 (5.08) | 8.60 (2.88) | 14.80 (5.13) | 7.65 (2.76) | 15.40 (5.23) |
| Number of HCC Comorbidities | \bar{x} (SD) | 1.37 (0.84) | 2.89 (1.49) | 1.82 (0.82) | 2.74 (1.53) | 1.46 (0.87) | 2.90 (1.48) |
| <i>Hypertension</i> | % | 83.02 | 62.22 | 95.41 | 56.09 | 84.64 | 62.16 |
| <i>Stroke</i> | % | 0 | 4.53 | 0 | 3.79 | 0 | 3.53 |
| <i>Cerebrovascular Disease</i> | % | 2.24 | 5.98 | 3.96 | 5.49 | 3.27 | 5.42 |
| <i>Renal failure</i> | % | 2.61 | 58.66 | 6.33 | 55.38 | 1.66 | 60.91 |
| <i>COPD</i> | % | 7.09 | 22.99 | 5.28 | 26.19 | 8.14 | 22.26 |
| <i>Pneumonia</i> | % | 0.65 | 27.45 | 0.84 | 29.43 | 0.39 | 29.85 |
| <i>Diabetes</i> | % | 35.81 | 41.04 | 60.65 | 34.39 | 41.49 | 40.21 |
| <i>Protein/Calorie Malnutrition</i> | % | 0.02 | 14.17 | 0.02 | 14.91 | 0.02 | 15.84 |
| <i>Dementia</i> | % | 0.01 | 10.37 | 0.02 | 10.32 | 0.03 | 8.17 |
| <i>Functional Disorder</i> | % | 0.34 | 2.24 | 0.65 | 1.91 | 0.71 | 1.55 |
| <i>Peripheral Vascular Disease</i> | % | 2.73 | 24.58 | 6.53 | 22.48 | 3.64 | 24.00 |
| <i>Metastatic Cancer</i> | % | 0 | 6.62 | 0 | 6.05 | 0 | 6.45 |
| <i>Psychiatric Disease</i> | % | 2.48 | 3.71 | 2.29 | 3.96 | 2.18 | 4.12 |
| <i>Liver disease</i> | % | 0.01 | 4.51 | 0.20 | 4.01 | 0 | 5.42 |

eFigure 1 – Patterns in exclusion from multiple measures



eFigure 1 –The lower part of the figure depicts the measurement pattern, with blue boxes indicating that the patient was included in the measure, and the gray boxes indicating that the patient was excluded from the measure. The upper bar graph depicts the number of patients who fit each measurement pattern, with the x-axis being the measurement pattern and the y-axis showing the number of patients (on a logarithmic scale).