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| **eTable 2.** Results of regression models for VHA health care utilization and costs as a function of MST screen status, sex, and their interactionamong U.S. Veterans with military sexual trauma screen results over 5 years of VHA treatment (FY 2005-2015) |
|  | MST Screen Status | Sex | MST\*Sex |
|  | Binomial Portion of Hurdle Models for both Utilization and Cost Outcomes – Adjusted Odds Ratio (99% CI) |
| **Outpatient Services** |  |  |  |  |  |
|  Mental Health | **2.82 (2.62, 3.05)** | **1.16 (1.13, 1.19)** | **0.85 (0.73, 0.98)** |
|  Substance Use | **2.12 (1.91, 2.36)** | **2.20 (2.08, 2.33)** | **0.77 (0.65, 0.91)** |
|  Primary Care | **0.73 (0.65, 0.83)** | **0.72 (0.68, 0.77)** | **1.31 (1.04, 1.66)** |
|  Emergency Department | **1.45 (1.37, 1.54)** | 0.98 (0.95, 1.00) | 1.07 (0.96, 1.20) |
|  Social Work | **1.45 (1.37, 1.54)** | **1.11 (1.08, 1.14)** | 0.97 (0.87, 1.08) |
|  Homeless Services | **1.90 (1.71, 2.12)** | **1.10 (1.04, 1.16)** | 1.05 (0.87, 1.27) |
|  Other | **1.77 (1.09, 2.88)** | **0.73 (0.62, 0.85)** | 0.94 (0.40, 2.20) |
| **Inpatient Services** |  |  |  |
|  Psychiatric | **2.57 (2.30, 2.87)** | **1.74 (1.63, 1.86)** | 0.91 (0.76, 1.08) |
|  Substance Use | **1.73 (1.22, 2.44)** | **2.82 (2.35, 3.37)** | 0.64 (0.38, 1.08) |
|  Medical | **1.49 (1.34, 1.66)** | **1.09 (1.03, 1.15)** | 1.01 (0.84, 1.23) |
|  |  Count Portion of Hurdle Models for Utilization Outcomes – Adjusted Rate Ratio (99% CI) |
| **Outpatient Services** |  |  |  |  |  |
|  Mental Health | **1.64 (1.58, 1.69)** | 0.99 (0.98, 1.01) | 0.95 (0.90, 1.01) |
|  Substance Use | **1.14 (1.03, 1.27)** | **1.23 (1.16, 1.31)** | **0.80 (0.68, 0.94)** |
|  Primary Care | **1.17 (1.14, 1.21)** | **0.70 (0.69, 0.71)** | 1.03 (0.97, 1.09) |
|  Emergency Department | **1.20 (1.15, 1.26)** | **0.97 (0.95, 0.99)** | 0.99 (0.91, 1.08) |
|  Social Work | **1.39 (1.32, 1.46)** | **1.21 (1.18, 1.25)** | 0.95 (0.87, 1.05) |
|  Homeless Services | 1.04 (0.94, 1.16) | **0.75 (0.70, 0.79)** | 1.12 (0.93, 1.35) |
|  Other | **1.31 (1.27, 1.35)** | **0.82 (0.81, 0.83)** | 1.05 (0.99, 1.11) |
| **Inpatient Services** |  |  |  |
|  Psychiatric | 1.06 (0.93, 1.21) | 1.08 (1.00, 1.17) | 1.07 (0.88, 1.31) |
|  Substance Use | 1.00 (0.64, 1.57) | 1.00 (0.79, 1.26) | 1.08 (0.55, 2.12) |
|  Medical | 1.04 (0.91, 1.18) | **1.08 (1.01, 1.16)** | 0.89 (0.70, 1.12) |
|  | Count Portion of Hurdle Models for Cost Outcomes – Adjusted Rate Ratio (99% CI) |
| **Outpatient Services** |  |  |  |  |  |
|  Mental Health | **1.65 (1.55, 1.75)** | 1.00 (0.97, 1.03) | 0.97 (0.87, 1.08) |
|  Substance Use | 1.14 (0.91, 1.43) | **1.21 (1.07, 1.37)** | 0.81 (0.57, 1.15) |
|  Primary Care | **1.18 (1.15, 1.22)** | **0.67 (0.66, 0.68)** | 1.01 (0.96, 1.07) |
|  Emergency Department | **1.22 (1.15, 1.28)** | 0.98 (0.96, 1.01) | 0.98 (0.89, 1.08) |
|  Social Work | **1.51 (1.29, 1.76)** | 1.26 (1.17, 1.35) | 0.91 (0.69, 1.20) |
|  Homeless Services | 1.09 (0.88, 1.36) | 0.8 (0.71, 0.90) | 1.05 (0.72, 1.54) |
|  Other | **1.30 (1.21, 1.39)** | 0.86 (0.83, 0.89) | 1.07 (0.94, 1.21) |
| **Inpatient Services** |  |  |  |
|  Psychiatric | 1.14 (0.97, 1.35) | 1.07 (0.97, 1.18) | 1.04 (0.81, 1.34) |
|  Substance Use | 0.88 (0.64, 1.21) | 0.90 (0.76, 1.06) | 1.26 (0.78, 2.05) |
|  Medical | **1.28 (0.96, 1.69)** | 1.45 (1.26, 1.67) | 0.69 (0.42, 1.13) |
|  | Generalized Linear Models for Combined Outcomes – Adjusted Rate Ratio (99% CI) |
| **Combined Utilization** | **1.40 (1.36, 1.44)** | 0.85 (0.83, 0.86) | 1.03 (0.97, 1.09) |
| **Combined Costs** | **1.52 (1.43, 1.63)** | 0.97 (0.94, 1.00) | 1.03 (0.91, 1.16) |
| Notes: Both MST-related and non-MST-related utilization and costs are included. Models are adjusted for age, education (high school, post-high school), marital status (married, never married, divorced/other), race/ethnicity (White, Black, Hispanic, Other, Unknown), rank (enlisted, officer, warrant), component (Active Duty, Reserve, Guard), and branch of service (Army, Navy/Coast Guard, Marines, Air Force). Bold indicates statistical significance, *p* < .01.  |