SCAN data

Abuse/Race: (unadjusted)

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| --- | --- | --- |
| Race | OR (95% CI) | P value |
| White | Reference | - |
| Black | 1.86 (1.72-2.01) | P<0.01 |
| Hispanic | 1.2 (1.11-1.3) | P<0.01 |
| Asian or pacific islander | 0.57 (0.43-0.76) | P<0.01 |
| Native American | 1.26 (0.95-1.68) | P: 0.1 |
| Other | 1.51 (1.33-1.71) | P<0.01 |

Abuse, Adjusted for Race, sex, age group, Payer, Zip code, Hospital location, hospital bed size, hospital region, hospital control, hospital type

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| --- | --- | --- |
|  | OR (95% CI) | P value |
| Race |  |  |
| White | Reference | - |
| Black | 1.2 (1.06-1.35) | P<0.01 |
| Hispanic | 0.61 (0.54-0.7) | P<0.01 |
| Asian or pacific islander | 0.50 (0.33-0.74) | P<0.01 |
| Native American | 0.71 (0.43-1.17) | P: 0.18 |
| Other | 0.85 (0.71-1.01) | P: 0.07 |
| Age |  |  |
| 12-17 | Reference | - |
| 8-11 | 1.12 (0.73-1.72) | P: 0.58 |
| 4-7 | 3.07 (2.29-4.12) | P<0.01 |
| 1-3 | 19.7 (15.6-24.8) | P<0.01 |
| <1 | 90.25 (72.2-112.7) | P<0.01 |
| Gender |  |  |
| Male | Reference | - |
| Female | 1.09 (1.00-1.2) | P: 0.04 |
| Payer |  |  |
| Medicaid | Reference | - |
| Private | 0.31 (0.28-0.36) | P<0.01 |
| Self-pay | 0.51 (0.39-0.67) | P<0.01 |
| Other | 0.95 (0.78-1.16) | P: 0.65 |
| Zip code |  |  |
| 4 | Reference | - |
| 3 | 1.43 (1.22-1.68) | P<0.01 |
| 2 | 1.40 (1.19-1.63) | P<0.01 |
| 1 | 1.33 (1.13-1.55) | P<0.01 |
| Hospital location |  |  |
| Rural | Reference | - |
| Urban nonteaching | 0.83 (0.61-1.13) | P: 0.25 |
| Urban teaching | 1.22 (0.9-1.65) | P: 0.18 |
| Hospital Bed-size |  |  |
| small | Reference | - |
| Medium | 1.11 (0.95-1.29) | P: 0.16 |
| large | 1.29 (1.08-1.54) | P<0.01 |
| Hospital region |  |  |
| Northeast | Reference | - |
| Midwest | 1.54 (1.34-1.78) | P<0.01 |
| South | 0.84 (0.73-0.96) | P: 0.01 |
| West | 0.89 (0.77-1.03) | P: 0.14 |
| Hospital Type |  |  |
| Not children’s | Reference | - |
| Children’s general | 3.31 (2.86-3.83) | P<0.01 |
| Children’s specialty | 3.51 (1.01-12.2) | P: 0.04 |
| Children’s unit of general | 1.47 (1.27-1.69) | P<0.01 |

SCAN vs. Non-SCAN patients hospital mortality adjusted for Race, sex, age group, ISS, Payer, Zip code, Hospital location, hospital bed size, hospital region, hospital control, hospital type

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| --- | --- | --- | --- | --- | --- |
| Non-SCAN Adjusted Mortality | | | SCAN Adjusted Mortality | | |
|  | OR (95% CI) | P value |  | OR (95% CI) | P value |
| ISS |  |  |  |  |  |
| ISS >25 | Reference | - | ISS >25 | Reference | - |
| ISS 16-24 | 0.18 (0.15-0.2) | P<0.01 | ISS 16-24 | 0.17 (0.11-0.26) | P<0.01 |
| ISS 0-15 | 0.02 (0.02-0.02) | P<0.01 | ISS 0-15 | 0.1 (0.07-0.16) | P<0.01 |
| Race |  |  | Race |  |  |
| White | Reference | - | White | Reference | - |
| Black | 1.2 (1.02-1.4) | P: 0.02 | Black | 1.3 (0.85-2.03) | P: 0.2 |
| Hispanic | 1.09 (0.93-1.28) | P: 0.2 | Hispanic | 1.09 (0.67-1.7) | P: 0.7 |
| Asian or PI | 1.26 (0.85-1.86) | P: 0.24 | Asian or PI | 0.67 (0.1-4.51) | P: 0.6 |
| Native American | 0.7 (0.37-1.43) | P: 0.37 | Native American | 0.7 (0.09-5.5) | P: 0.7 |
| Other | 1.35 (1.06-1.7) | P: 0.01 | Other | 2 (1.15-3.89) | P:0.01 |
| Age |  |  | Age |  |  |
| 12-17 | Reference | - | 12-17 | Reference | - |
| 8-11 | 0.68 (0.55-0.85) | P<0.01 | 8-11 | 0 (0) | P<0.01 |
| 4-7 | 0.9 (0.74-1.08) | P: 0.27 | 4-7 | 2.79 (0.77-1) | P: 0.1 |
| 1-3 | 1.4 (1.17-1.67) | P<0.01 | 1-3 | 1.97 (0.63-6.1) | P: 0.2 |
| <1 | 2.3 (1.9-2.8) | P<0.01 | <1 | 1.02 (0.32-3.2) | P: 0.9 |
| Gender |  |  | Gender |  |  |
| Male | Reference | - | Male | Reference | - |
| Female | 1.08 (0.96-1.22) | P: 0.16 | Female | 1.19 (0.85-1.67) | P: 0.2 |
| Payer |  |  | Payer |  |  |
| Medicaid | Reference | - | Medicaid | Reference | - |
| Private | 0.89 (0.78-1.02) | P: 0.09 | Private | 1.44 (0.92-2.25) | P: 0.1 |
| Self-pay | 1.93 (1.58-2.35) | P<0.01 | Self-pay | 1.98 (0.79-4.97) | P: 0.1 |
| Other | 1.54 (1.24-1.91) | P<0.01 | Other | 4.41 (2.68-7.25) | P<0.01 |
| Zip code |  |  | Zip code |  |  |
| 4 | Reference | - | 4 | Reference | - |
| 3 | 1.1 (0.92-1.33) | P: 0.26 | 3 | 0.65 (0.36-1.18) | P: 0.1 |
| 2 | 1.39 (1.17-1.66) | P<0.01 | 2 | 0.75 (0.42-1.34) | P: 0.3 |
| 1 | 1.23 (1.03-1.47) | P: 0.02 | 1 | 0.93 (0.54-1.59) | P: 0.7 |
| Hospital location |  |  | Hospital location |  |  |
| Rural | Reference | - | Rural | Reference | - |
| Urban nonteaching | 2.72(1.54-4.81) | P<0.01 | Urban nonteaching | 3.45 (0.38-30) | P: 0.2 |
| Urban teaching | 4.28 (2.45-7.48) | P<0.01 | Urban teaching | 2.16 (0.15-30) | P: 0.5 |
| Hospital Bed-size |  |  | Hospital Bed-size |  |  |
| small | Reference | - | small | Reference | - |
| Medium | 1.27 (0.98-1.65) | P: 0.06 | Medium | 1.46 (0.8-2.5) | P: 0.1 |
| large | 1.5 (1.15-1.95) | P<0.01 | large | 0.82 (0.4-1.58) | P: 0.5 |
| Hospital region |  |  | Hospital region |  |  |
| Northeast | Reference | - | Northeast | Reference | - |
| Midwest | 1.54 (1.25-1.89) | P<0.01 | Midwest | 2.05 (1-3.8) | P: 0.02 |
| South | 1.57 (1.31-1.87) | P<0.01 | South | 2.73 (1.5-4.8) | P<0.01 |
| West | 1.41 (1.17-1.71) | P<0.01 | West | 1.75 (0.9-3.3) | P: 0.08 |
| Hospital Type |  |  | Hospital Type |  |  |
| Not children’s | Reference | - | Not children’s | Reference | - |
| Children’s general | 1.05 (0.87-1.26) | P: 0.6 | Children’s general | 1.11 (0.6-2.03) | P: 0.7 |
| Children’s specialty | 0 (0) | P<0.01 | Children’s specialty | 0 (0) | P<0.01 |
| Children’s unit of general | 1.05 (0.9-1.2) | P: 0.44 | Children’s unit of general | 1.52 (0.8-2.7) | P: 0.1 |

LOS

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| --- | --- | --- | --- | --- | --- | --- | --- |
| SCAN <3 y/o | | | | Non-SCAN <3 y/o | | | |
| Race | ISS 0-15 | ISS 16-24 | ISS≥25 | Race | ISS 0-15 | ISS 16-24 | ISS≥25 |
| White | 5 | 8.7 | 10.5 | White | 3.4 | 5.1 | 9.1 |
| Black | 6.5 | 12.3 | 11.4 | Black | 4.8 | 7.3 | 13.2 |
| Hispanic | 5.8 | 10.5 | 15.9 | Hispanic | 3.3 | 5.2 | 9.4 |
| Asian or PI | 4.7 | 12.7 | 7.7 | Asian or PI | 3.8 | 4.5 | 12.4 |
| Native American | 3.8 | 13.5 | 17.8 | Native American | 3.5 | 7.7 | 9.1 |
| Other | 6.5 | 12 | 13.5 | Other | 4.6 | 5.7 | 9.1 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| SCAN <5 y/o | | | | Non-SCAN <5 y/o | | | |
| Race | ISS 0-15 | ISS 16-24 | ISS≥25 | Race | ISS 0-15 | ISS 16-24 | ISS≥25 |
| White | 5.1 | 8.8 | 10.4 | White | 3.1 | 5.2 | 9.3 |
| Black | 6.5 | 12.1 | 11.2 | Black | 4.3 | 7.2 | 13.1 |
| Hispanic | 5.8 | 10.9 | 15.6 | Hispanic | 3.1 | 5.5 | 10 |
| Asian or PI | 4.9 | 12.1 | 7.7 | Asian or PI | 3.4 | 4.3 | 12.5 |
| Native American | 3.8 | 13.5 | 16.4 | Native American | 3.3 | 6.8 | 8.5 |
| Other | 6.5 | 11.9 | 14.5 | Other | 4.1 | 5.9 | 10.4 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| SCAN total | | | | Non-SCAN total | | | |
| Race | ISS 0-15 | ISS 16-24 | ISS≥25 | Race | ISS 0-15 | ISS 16-24 | ISS≥25 |
| White | 5.4 | 8.8 | 10.8 | White | 3 | 5.7 | 10.7 |
| Black | 6.7 | 12 | 11.4 | Black | 3.6 | 7.2 | 12.8 |
| Hispanic | 5.6 | 10.9 | 16 | Hispanic | 3 | 6.4 | 11.7 |
| Asian or PI | 4.5 | 12.1 | 7.7 | Asian or PI | 3.2 | 5.7 | 10.6 |
| Native American | 5.3 | 13.5 | 16.4 | Native American | 3.5 | 6.8 | 13.5 |
| Other | 7.2 | 11.8 | 13.5 | Other | 3.7 | 6.1 | 12.2 |