

Supplement A. Adjusted probabilities and odds of treatment with HFNC (high flow nasal cannula). Models are adjusted for the following characteristics: sex, age, race, payer, H-RISK, route of admission, median household income quartile, and hospital's geographic region.

| | Adjusted Probability of HFNC (95% CI) | Adjusted Odds Ratios (95% CI) | p-value |
|---|---------------------------------------|-------------------------------|---------|
| Sex | | | |
| Female | 0.183 (0.119-0.271) | REF | |
| Male | 0.207 (0.136-0.302) | 1.164 (1.078-1.258) | <0.001 |
| Age | | | |
| 1-2 months | 0.173 (0.112-0.259) | REF | |
| 3-6 months | 0.177 (0.115-0.264) | 1.027 (0.921-1.146) | 0.63 |
| 7-12 months | 0.201 (0.131-0.295) | 1.199 (1.072-1.342) | 0.002 |
| 13-24 months | 0.231 (0.153-0.333) | 1.433 (1.283-1.600) | <0.001 |
| Race | | | |
| Non-Hispanic White | 0.174 (0.113-0.259) | REF | |
| Non-Hispanic Black | 0.213 (0.140-0.311) | 1.287 (1.150-1.440) | <0.001 |
| Hispanic | 0.187 (0.121-0.276) | 1.087 (0.961-1.231) | 0.185 |
| Asian | 0.200 (0.125-0.306) | 1.187 (0.911-1.547) | 0.205 |
| Other | 0.200 (0.130-0.296) | 1.187 (1.028-1.372) | 0.02 |
| Payer | | | |
| Government | 0.189 (0.124-0.277) | REF | |
| Commercial | 0.191 (0.125-0.280) | 1.012 (0.923-1.109) | 0.799 |
| Self-pay | 0.201 (0.126-0.306) | 1.081 (0.828-1.411) | 0.568 |
| Other | 0.197 (0.119-0.310) | 1.056 (0.735-1.518) | 0.768 |
| H-RISK | N/A | 67.414 (56.245-80.800) | <0.001 |
| Route of Admission | | | |
| Direct Admission | 0.168 (0.108-0.253) | REF | |
| Admission From ED | 0.224 (0.148-0.323) | 1.423 (1.277-1.586) | <0.001 |
| Median Household Income Quartile | | | |
| 1 | 0.187 (0.121-0.277) | REF | |
| 2 | 0.186 (0.121-0.276) | 0.997 (0.889-1.118) | 0.958 |
| 3 | 0.200 (0.131-0.294) | 1.088 (0.967-1.223) | 0.162 |
| 4 | 0.206 (0.134-0.301) | 1.126 (0.992-1.279) | 0.067 |
| Hospital Region | | | |

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| Midwest | 0.309 (0.168-0.497) | 3.090 (0.640-14.913) | 0.16 |
| Northeast | 0.126 (0.036-0.361) | REF | |
| South | 0.207 (0.115-0.344) | 1.809 (0.393-8.323) | 0.447 |
| West | 0.168 (0.071-0.348) | 1.399 (0.264-7.428) | 0.693 |
| Abbreviations: Confidence Interval (CI), H-RISK (Hospitalization Resource Intensity Score for Kids), Emergency Department (ED) | | | |