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| Supplemental Table. Sensitivity analysis of misclassification by language status for pediatric asthma patients with an asthma exacerbation visit, Hospital System A, 2011–2015 |
| Original Sample | No follow-up | Yes follow-up | Odds ratio | p-value |
|   | English-only | 2064 | 2271 | 1.0 | Reference |
|   | Bilingual | 152 | 288 | 1.7 | 0.000 |
|   | LEP | 167 | 406 | 2.2 | 0.000 |
| Scenario 1 assuming 21% of LEP misclassified as bilingual and 100% differential misclassification of follow-up status |
|   | English-only | 2064 | 2271 | 1.0 | Reference |
|   | Bilingual | 0 | 288 | -- | -- |
|   | LEP | 319 | 406 | 1.2 | 0.073 |
| Scenario 2 assuming 24% of bilingual misclassified as English-only and 100% differential misclassification of follow-up status |
|   | English-only | 1925 | 2271 | 1.0 | Reference |
|   | Bilingual | 291 | 288 | 0.8 | 0.048 |
|   | LEP | 167 | 406 | 2.1 | 0.000 |
| Scenario 3 assuming 28% of LEP patients misclassified as English-only and 100% differential misclassification of follow-up status |
|   | English-only | 1841 | 2271 | 1.0 | Reference |
|   | Bilingual | 152 | 288 | 1.5 | 0.000 |
|   | LEP | 390 | 406 | 0.8 | 0.029 |
| LEP = limited English proficiency |