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Appendix 2. Algorithm used to assign probability that infection had occurred $p = \exp(\alpha + \beta_1 x_1 + \ldots + \beta_n x_n)/(1 + \exp(\alpha + \beta_1 x_1 + \ldots + \beta_9 x_9))$, where $\alpha = -5.16$ $\beta_1 = +3.03$ x_1 = dispensing any of five selected antibiotics $\beta_2 = +6.06$ x_2 = any selected diagnosis in hospital $\beta_3 = +1.05$ x_3 = any selected diagnosis in emergency dept (if $x_2 = 0$) $\beta_4 = +2.98$ x_4 = any selected diagnosis in outpatient setting $\beta_5 = +2.91$ x_5 = selected bacterial culture $\beta_6 = +1.91$ x_6 = wound care $\beta_7 = -1.79$ x_7 = interaction of x4 and x6 $\beta_8 = -2.70$ x_8 = interaction of x4 and x2 $\beta_9 = -2.21$ x_9 = interaction of x4 and x5