**Figure A1.** Department A vehicle (primarily ambulances) adjusted odds ratios for crash and 95% confidence intervals for each driving rule in count, distance and time domains. Odds ratios greater than one indicate an increased risk of crash. Asterisk (\*) indicates P<0.05. Em = Emergency.



**Figure A2.** Department B vehicle (primarily engines) adjusted odds ratio point estimates and 95% confidence intervals for each driving rule in count, distance and time domains. Odds ratios greater than one indicate an increased risk of crash. Asterisk (\*) indicates P<0.05. Em = Emergency**.**



**Figure A3.** Receiver operating characteristic curve (ROC) of the final risk score model.

