

MDV	0.55	< 0.001*	-2.40	0.007*	--	--	0.73
OIV	0.72	0.001*	-2.85	0.009*	--	--	0.73
RA	0.68	0.001*	-1.61	0.026*	--	--	0.66
OLC	0.31	0.001*	-3.05	0.012*	--	--	0.76
ASI	4.94	0.001*	-2.79	0.004*	1.89	0.024*	0.69
VPI	0.02	0.001*	-2.65	0.005*	1.98	0.020*	0.67

Conclusions

The OLC model had the highest F2 score, however there was little difference among the predictive capabilities of the metrics. Future work will assess the models' predictive capabilities on a new test dataset. This is the first study to develop frontal crash injury risk models using the CISS and EDR databases.