

**Supplemental On-Line Appendix**

**eTable 1.** Linear regression model

<b>Variable</b>	<b>Coefficient (95% CI)</b>	<b>p-value</b>
Model: Google Maps estimate, time-of-day, population density and season		
Google Maps estimate	0.80 (0.79 to 0.81)	<0.001
Time-of-day		
Morning (6-10am)	Ref	
Mid-day (10am-3pm)	0.56 (0.36 to 0.77)	<0.001
Afternoon (3pm-8pm)	0.53 (0.31 to 0.74)	<0.001
Nighttime (8pm-6am)	-1.20 (-1.40 to -0.99)	<0.001
Population density		
Less than 70 <sup>th</sup> percentile	Ref	
70 to 79 <sup>th</sup> percentile	-0.67 (-1.11 to -0.24)	0.002
80 to 89 <sup>th</sup> percentile	-1.01 (-1.42 to -0.61)	<0.001
Greater than 89 <sup>th</sup> percentile	-0.39 (-0.79 to 0.01)	0.06
Season		
Winter	Ref	
Spring	-0.23 (-0.42 to -0.37)	0.02
Summer	0.12 (-0.8 to 0.31)	0.24
Fall	0.03 (-0.17 to 0.22)	0.33
Constant	3.34 (2.86 to 0.23)	<0.001

CI, confidence interval

**eTable 2.** Comparison of Google Maps transport time estimation to regression model.

	<b>Google Maps</b>	<b>Regression Model</b>
Mean absolute error in minutes* (SD)	3.5 (5.4)	3.4 (5.1)
Range error in minutes	0 to 157	0 to 122
Percentage of estimates within one minute of observed time	23.9	25.7
Percentage of estimates within five minutes of observed time	86.6	88.6
Percentage of estimates within ten minutes of observed time	94.5	95.0

SD, standard deviation

\* Difference in mean absolute errors was statistically significant with p-value <0.01.