

**Appendix A.** Location quotients (against full sample) of share or mean of socioeconomic, trip, and environmental characteristics by probability of choosing transit

Variable	Estimated probability of choosing transit		
	<1%	40% - 60%	>95%
<i>Socioeconomic characteristics</i>			
<u>Age</u>			
18 - 24	0.569	1.412	4.013
25 - 44	0.824	1.597	1.895
45 - 64	1.028	0.904	0.719
64+	1.178	0.611	0.207
Unreported	0.750	0.750	0.000
<u>Race/Ethnicity</u>			
White/Caucasian	1.063	0.845	0.730
Black/African American	0.417	2.417	3.359
Other	0.795	1.333	1.729
<u>Educational Attainment</u>			
High school or lower	0.898	0.949	1.506
Associate degree or some college	1.015	0.897	0.930
Bachelor	1.082	0.863	0.973
Graduate	0.978	1.199	0.807
Unreported	0.600	2.800	0.000
Female	1.038	0.888	0.875
Has child under 5	1.083	0.869	0.498
<u>Occupation</u>			
Manufacturing/production/agriculture	1.370	0.500	0.000
Non-office services	0.971	0.957	0.903
Office/other/unreported/not employed	0.987	1.052	1.108
Income below \$10,000	0.188	2.625	12.791
<u>Household vehicles</u>			
No car	0.040	3.980	18.791
1	0.688	1.695	0.095
2	1.163	0.527	0.068
3+	1.350	0.277	0.000
<i>Trip characteristics</i>			
<u>Trip tour type</u>			
Home-based work	0.790	1.602	1.296
Home-based other	1.205	0.473	0.584

Non-home-based	0.710	1.323	2.476
Travel time (transit minus car)	1.489	0.135	-0.080
Travel cost (transit minus car)	0.620	1.874	1.718
<i>Environmental characteristics</i>			
Land-use mix at origin	0.871	1.340	1.445
Kilometers to Philadelphia City Hall from residence	1.254	0.387	0.230
Hourly parking price at destination	0.183	4.343	6.225
Average bus frequency by station	0.465	3.193	4.166
<u>High-capacity rail station presence</u>			
None	1.473	0.089	0.000
Origin and destination	0.020	4.624	6.243
Origin or destination	0.613	0.873	0.233