

Suitability of commuting by bicycle to Arizona elementary schools

Deskripsi Lengkap: <https://lib.fkm.ui.ac.id/detail.jsp?id=94362&lokasi=lokal>

Abstrak

Purpose: To determine the biking suitability (i.e., bikeability) of and prevalence of biking in 14 elementary schools representing two extremes of bused students (2.4% vs. 53.6%).
Methods: Street segments (within 0.25-mile radius of school) were scored for bikeability. Bikes in racks per school student population established biking prevalence. Mann-Whitney U-test compared bikeability and prevalence of biking between groups.
Results: A total of 12.5 +/- 2.2 streets per school were assessed. Thirteen schools scored very good (< 3.0) and one scored fair (4.0-4.9). Median bikeability score was 0.69 for the low-busing schools and 0.53 for the high-busing schools (nonsignificant). Median biking prevalence was 3.1% in the low-busing schools and 1.3% in the high-busing schools (p < .05).
Conclusion: Streets surrounding schools were adequate for biking. Biking prevalence was significantly higher in low-busing schools but was relatively low in both low- and high-busing schools. Other factors, including intraindividual, social, school, and community, likely contribute to choice of biking to school.