

****DRAFT****

Preliminary Summary of Per Capita Analyses Community Survey February 28, 2003

Background

The following is a draft summary of analyses conducted on total (composite) scores per capita (per 1,000 residents). The scores were computed by dividing each total score by the town's population and multiplying that number by 1,000. These new variables take into account the size of the community. However, they are proxy measures of the quantity of facilities, programs, and regulations per capita because the survey did not specifically ask about quantity. The variables are simply a tally of different content areas of the survey taking into account population (in other words, analytically controlling for population).

A new demographic variable "Percent Minority" has also been added to the analysis. This variable was calculated using the data for "Number of Whites" provided by US Census 2000 data as well as each town's population in 2000. The formula was: $((\text{Population} - \# \text{ Whites}) / \text{Population}) * 100$. Percent Minority was divided into five groups, with the top and bottom groups being the smallest in size. The data for this variable are preliminary because a couple of odd values had to be omitted. Those values will be checked and possibly added back into the data file afterward.

The pattern of results is much different than found previously. In general, the highest scoring groups were:

- Resort Retirement Artistic and Small Rural Communities
- Median Income "\$42,000 to \$49,999"
- "2% and Under" Minority Residents
- Western Region

The lowest scoring groups were:

- Urban Centers and Economically Developed Suburbs
- Median income "\$60,000 to \$74,999" and "\$75,000+"
- ">4.5% to 9.5%" and "Over 9.5%" Minority Residents
- Boston, Metrowest, and Northeast Regions (Boston was not statistically significant and needs to be interpreted with caution because of the small n)

Summary of Total Scores Per Capita (Per 1,000 Residents) Across Community Types

	Econ Devel Sub- urb (n=45)	Grow- th Comm (n=32)	Resid Sub- Urb (n=38)	Resort Retire Artist (n=29)	Rural Econ Ctr (n=42)	Small Rural Comm (n=26)	Urban Ctr (n=27)	TOTAL (N=239)
*Physical Activity Facilities	<u>.85</u>	<u>1.22</u>	<u>1.56</u>	4.00	2.27	4.04	<u>.70</u>	1.97
*Biking/Walking	<u>.38</u>	<u>.48</u>	<u>.55</u>	2.37	.93	1.45	<u>.42</u>	.88
*Promotions/Education/Events	<u>.36</u>	<u>.50</u>	<u>.71</u>	2.75	<u>1.24</u>	3.35	<u>.40</u>	1.21
*Youth	<u>.25</u>	<u>.33</u>	<u>.52</u>	1.44	.81	1.64	<u>.22</u>	.70
*Nutrition	.07	.10	.21	.26	.30	.51	.12	.21
*Entire Survey	<u>1.92</u>	<u>2.64</u>	<u>3.55</u>	10.82	<u>5.56</u>	10.99	<u>1.85</u>	4.97

* = Statistically significant difference exists across community types.

Note: Where the ANOVA was significant, the highest number(s) within a row are underlined and bolded. The lowest number(s) are underlined and italicized. Only those numbers that were significantly higher or lower in Scheffe posthoc tests are bolded/italicized.

Summary of Total Scores Per Capita (Per 1,000 Residents) Across Income Groups

	Under \$42,000 (n=31)	\$42,000 to \$49,999 (n=51)	\$50,000 to \$59,999 (n=65)	\$60,000 to \$74,999 (n=56)	\$75,000+ (n=36)	TOTAL (N=239)
*Physical Activity Facilities	2.38	3.17	<u>1.63</u>	<u>1.44</u>	<u>1.38</u>	1.97
Biking/Walking	.70	1.14	1.21	.56	.57	.88
*Promotions/Education/Events	1.73	2.06	1.05	.73	.61	1.21
*Youth	.88	1.12	.58	<u>.51</u>	.43	.70
*Nutrition	.15	.45	.14	.14	.17	.21
*Entire Survey	5.85	7.93	4.61	<u>3.38</u>	<u>3.16</u>	4.97

* = Statistically significant difference exists across income groups.

Note: Where the ANOVA was significant, the highest number(s) within a row are underlined and bolded. The lowest number(s) are underlined and italicized. Only those numbers that were significantly higher or lower in Scheffe posthoc tests are bolded/italicized.

Summary of Total Scores Per Capita (Per 1,000 Residents) Across Percent Minority Groups

	2% and Under (n=34)	>2% to 2.8% (n=55)	>2.8% to 4.5% (n=59)	>4.5% to 9.5% (n=52)	Over 9.5% (n=37)	TOTAL (N=237)
*Physical Activity Facilities	<u>3.87</u>	2.17	<u>1.77</u>	<u>1.49</u>	<u>1.02</u>	1.99
*Biking/Walking	1.20	.93	1.15	.61	.48	.88
*Promotions/Education/Events	<u>2.66</u>	1.22	<u>1.02</u>	<u>1.00</u>	<u>.49</u>	1.22
*Youth	<u>1.57</u>	<u>.78</u>	<u>.59</u>	<u>.44</u>	<u>.33</u>	.70
*Nutrition	.45	.19	.11	.28	.11	.21
*Entire Survey	<u>9.76</u>	<u>5.29</u>	<u>4.64</u>	<u>3.81</u>	<u>2.43</u>	5.00

* = Statistically significant difference exists across percent minority groups.

Note: Where the ANOVA was significant, the highest number(s) within a row are underlined and bolded. The lowest number(s) are underlined and italicized. Only those numbers that were significantly higher or lower in Scheffe posthoc tests are bolded/italicized.

Summary of Total Scores Per Capita (Per 1,000 Residents) Across Regions

	West-ern (n=68)	Central (n=42)	North-east (n=34)	Metro-west (n=46)	South-east (n=46)	Boston (n=3)	TOTAL (N=239)
*Physical Activity Facilities	<u>3.63</u>	<u>1.65</u>	<u>1.26</u>	<u>.96</u>	<u>1.47</u>	.46	1.97
*Biking/Walking	1.65	.73	.52	.46	.61	.25	.88
*Promotions/Education/Events	<u>2.52</u>	<u>.85</u>	<u>.60</u>	<u>.46</u>	<u>.87</u>	.27	1.21
*Youth	<u>1.36</u>	<u>.64</u>	<u>.37</u>	<u>.29</u>	<u>.45</u>	.15	.70
Nutrition	.36	.16	.16	.11	.21	.10	.21
*Entire Survey	<u>9.52</u>	<u>4.03</u>	<u>2.90</u>	<u>2.27</u>	<u>3.61</u>	1.24	4.97

* = Statistically significant difference exists across regions.

Note: Where the ANOVA was significant, the highest number(s) within a row are underlined and bolded. The lowest number(s) are underlined and italicized. Only those numbers that were significantly higher or lower in Scheffe posthoc tests are bolded/italicized.