The Health Care and Economic Benefits of Walking and Biking Trails

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Health Care Costs

- In 2016, national health expenditures totaled \$3.35 trillion
- Average of \$10,345 for every man, woman, and child
- Costs are projected to increase by 5.8% from 2015 to 2025
- About 5 percent of the population those most frail or ill — accounts for nearly half the spending in a given year.
- By 2025, government health care programs will account for 47% of health care spending



Health Care Costs (2013)

\$101.4 billion: Diabetes
\$88.1 billion: Ischemic heart disease
\$86.7 billion: Low back and neck pain
\$83.9 billion: High blood pressure
\$71.1 billion: Depression

- 32%: Hospital care
- 20%: Physicians and other clinicians
- 10%: Prescription drugs from pharmacies



Health and Physical Activity

- Less than half of all U.S. adults, and 30% of high school students get the recommended daily amount of physical activity
- Regular physical activity is one of the most important things people can do for their health
 - Help individuals control weight
 - Reduces risk of cardiovascular disease
 - Reduce risk for type 2 diabetes and metabolic syndrome
 - Reduces risk of some cancers
 - Strengthen bones and muscles
 - Improves mental health and mood



Physical Activity and Health Care Costs

- Lack of physical activity is associated with higher health care costs and utilization.
- Those who work out at least three times per week are:
 - More productive at work
 - Miss fewer workdays
- Translating to:
 - Lost income
 - Lost opportunities for advancement
 - Higher health care expenditures



Physical Activity and Health Care Costs

- Employees with metabolic syndrome who exercised enough cost \$2,770 in total health care annually, compared to \$3,855 for workers with metabolic syndrome who didn't exercise enough
- Pharmacy costs alone were twice as much
- 11.1% of aggregate health care expenditures were associated with inadequate physical activity



Physical Activity and Income

- Men who work out regularly can expect to make 6% more than their sedentary counterparts, on average
- Women who work out regularly make 10% more, on average



Physical Activity and Health Status

- For example:
 - Physical activity can decrease blood glucose control and prevent or delay type 2 diabetes
 - Combining physical activity and modest weight can lower type 2 diabetes risk by up to 58% in high-risk populations
 - 40% reduction in heart attack and stroke between the highest and lowest exercise groups for women engaging in physical activity



Benefits for Residents

- Physical activity increased among individuals in communities with new or improved projects or policies combining pedestrian or cycling paths with land use and design components
- Combinations of activity-supportive built environments were associated with:
 - Higher levels of transportationrelated physical activity
 - Recreational physical activity
 - Total walking

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