ASSESSING THE HEALTH IMPACT OF THE KINNICKINNIC RIVER CORRIDOR NEIGHBORHOOD PLAN

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SIXTEENTH STREET COMMUNITY HEALTH CENTERS

• FEDERALLY QUALIFIED HEALTH CENTER
  • THREE FULL-SERVICE CLINICS
    • OVER 30,000 PATIENTS
  • OFFER MEDICAL, DENTAL, BEHAVIORAL HEALTH AND OTHER PATIENT RESOURCES

• SERVES THE SOUTHSIDE OF MILWAUKEE
  • PREDOMINANTLY LATINO
  • PREDOMINANTLY LOW-INCOME
    • 7,500 PATIENTS HAVE NO INSURANCE
    • 19,000 PATIENTS WITH MEDICAID
DEPARTMENT OF ENVIRONMENTAL HEALTH

• KINNICKINNIC RIVER CORRIDOR
  • Physical transformation of the river corridor into an asset
  • Environmental education program
  • Community Outreach & engagement to implement projects

• HARBOR DISTRICT
  • Environmental cleanup & restoration
  • New economic opportunity & public spaces

• LEAD PROGRAM
  • Lead Outreach Program
  • Growing Healthy Soils
THE KINNICKINNIC RIVER

The Old Kinnickinnic

The New Kinnickinnic
KINNICKINIC RIVER CORRIDOR NEIGHBORHOOD PLAN

More than Removing Concrete:
- Bike Path
- Park Improvements
- Community Gardens
- Green Street Improvements
- Business Corridor Improvements
- New Pedestrian Bridge
- Stormwater Management
- Home Renovation Efforts
- Neighborhood Redevelopment
- Fish and Wildlife Habitat
- Community Gathering Spaces
MODEL OF POTENTIAL IMPACT

KK River Restoration

- Improved Water and Air Quality
- Improved Access to Functional Green Spaces
- Increased Economic Development

- Increased Physical Activity
- Improved Social Ties

- Physical Health
- Mental Health
EVALUATION OF HEALTH IMPACT
DATA SOURCES

Electronic Medical Record Indicators:
- Obesity and Overweight
- Hypertension Prevalence and Control
- Diabetes Prevalence and Control
- Asthma Prevalence
- Depression

Ecologic-level Indicators:
- Milwaukee Riverkeeper Report Card
- Census Data
- Crime Statistics
- Traffic Accident Statistics
- Deaths in River
- Tree Cover and Land Use
<table>
<thead>
<tr>
<th>Indicator</th>
<th>Kinnickinnic River Corridor</th>
<th>Control Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Population</td>
<td>24,805</td>
<td>33,989</td>
</tr>
<tr>
<td>Mean Household Income ($/year)</td>
<td>37,610</td>
<td>35,543</td>
</tr>
<tr>
<td>Living Below Poverty</td>
<td>33.3%</td>
<td>38.6%</td>
</tr>
<tr>
<td>Live in Owner Occupied Housing</td>
<td>39%</td>
<td>35.9%</td>
</tr>
<tr>
<td>Percent Hispanic</td>
<td>68.4%</td>
<td>67.9%</td>
</tr>
<tr>
<td>Only Spanish Spoken at Home</td>
<td>51%</td>
<td>60.2%</td>
</tr>
</tbody>
</table>
PATIENT DATA: AGE (YEARS)

- 0-17: 34.4% Kinnickinnic, 35.8% Control
- 18-24: 11.2% Kinnickinnic, 10.2% Control
- 25-34: 17.6% Kinnickinnic, 17.1% Control
- 35-49: 19.9% Kinnickinnic, 18.6% Control
- 50-64: 11.9% Kinnickinnic, 12.1% Control
- >65: 5.0% Kinnickinnic, 6.2% Control
## PATIENT DATA: OBESITY AND OVERWEIGHT

<table>
<thead>
<tr>
<th>Indicator</th>
<th>12-month Prevalence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Kinnickinnick River</td>
</tr>
<tr>
<td>Overweight in Adults (BMI 25-29.9)</td>
<td>34.4%</td>
</tr>
<tr>
<td>Obesity in Adults (BMI &gt; 30)</td>
<td>45.2%</td>
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</tbody>
</table>
### PATIENT DATA: DIABETES

<table>
<thead>
<tr>
<th>Indicator</th>
<th>12-month Prevalence</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Kinnickinnick River</td>
</tr>
<tr>
<td>Diabetes in Adults</td>
<td>22.4%</td>
</tr>
<tr>
<td>Diabetic Adults with HbA1c &lt;9</td>
<td>73.4%</td>
</tr>
<tr>
<td>Diabetic Adults with HbA1c &lt;8</td>
<td>61.2%</td>
</tr>
<tr>
<td>Diabetic Adults with HbA1c &lt;7</td>
<td>41.2%</td>
</tr>
</tbody>
</table>
PROJECT GOALS

• Create a system to track changes in health in the KK River Corridor over the course of the implementation

• Evaluate the health impacts of this large scale environmental project and environmental programming

• Contribute to the understanding between built environment and community health

• Communicate with medical, public health and lay communities about importance of environment health
QUESTIONS OR COMMENTS?