By integrating an **interactive map** of community resources into clinical care, PREVENT will assist patients in **achieving their individual health goals**.

**PREVENT : An Implementation of the Yelp Fusion Application Programming Interface (API)**

Ersa S. Taner, MS¹, Randi Foraker, PhD¹, Simon Lara, Marcelo Lopetegui, MD, Maura Kepper, PhD¹,²

**INTRODUCTION**

• Despite the rapid emergence of Health Information Technology (HIT), HIT has rarely been utilized to promote health behaviors and address social determinants of health to address overweight and obesity¹,²,³

• PREVENT is the first HIT that strives to address this gap

**METHODS**

1. Obtain an API Key from Yelp
2. Authenticate requests to Yelp API within program of choice (e.g. Python)
3. Generate community resources
4. Create the workflow for automation of community resource data into PREVENT

**RESULTS:**

Figure 1 displays the interactive map of community resources in the PREVENT tool. This map has the following functionality:

• Automatically zooms to patient’s address in order to identify resources accessible to the patient.
• Can be filtered or searched to find specific resources.
• Provides detailed information on each resources (e.g., hours of operations, amenities, directions by car, public transportation or foot).

**DISCUSSION:**

• PREVENT harnesses clinical and community data to deliver individualized behavioral change recommendations to address overweight/obesity among adolescents.

• PREVENT may support providers who do not have knowledge of all the resources spanning the Greater St. Louis region

**Table 1. Categorization of Local Resources**

<table>
<thead>
<tr>
<th>PREVENT</th>
<th>Yelp API</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight Management Program</td>
<td>Dieticians, Preventative Medicine, Nutritionists, Weight Loss Centers</td>
</tr>
<tr>
<td>Community Gardens</td>
<td>Botanical Garden</td>
</tr>
<tr>
<td>Food Pantries</td>
<td>Food Banks</td>
</tr>
<tr>
<td>CSA’S</td>
<td>CSA</td>
</tr>
<tr>
<td>Farmer’s Markets</td>
<td>Farmer’s Market</td>
</tr>
<tr>
<td>Parks and Playgrounds</td>
<td>Parks, Playground</td>
</tr>
</tbody>
</table>