Additional File 1. First conceptual model and changes made between versions.

Figure S1.1. First conceptual model developed. LTPA = leisure-time physical activity.
<table>
<thead>
<tr>
<th>Versions</th>
<th>Changes</th>
</tr>
</thead>
</table>
| 1 → 2    | **Elements:**  
|          | - Individual-level socioeconomic status: removed  
|          | - Neighborhood-level socioeconomic status: removed  
|          | - Individual barriers to practice: changed to self-efficacy  
|          | - Intention to practice: changed to cognitive processes, encompassing the constructs attitude and self-efficacy  
|          | - Physical environment: changed to places for practice, encompassing the constructs condition (equivalent to quality in Version 1), access, and variability of opportunities  
|          | - Adoption and level of leisure-time physical activity (LTPA): changed to behavior  
|          | **Relations:**  
|          | - Behavior influencing intention to practice: changed to behavior influencing attitude (within cognitive processes)  
|          | - Social support influencing intention to practice: removed  
|          | - Social network’s LTPA practice influencing self-efficacy: included  
|          | - Behavior influencing self-efficacy: included  
|          | - Value/social meaning of LTPA influencing access to places for practice: removed  
|          | - Value/social meaning of LTPA influencing quality of places for practice: removed  
|          | - Places for practice influencing behavior: changed to influencing the relationship between cognitive processes and behavior (moderating effect)  
| 2 → 3    | **Elements:**  
|          | - Socioeconomic status: included  
|          | - Cognitive processes: changed to intention. The constructs attitude and self-efficacy remained in the model, preceding intention  
|          | - Behavior: changed to behavior/habituation  
|          | **Relations:**  
|          | - Attitude influencing intention: included  
|          | - Self-efficacy influencing intention: included  
|          | - Socioeconomic status influencing self-efficacy: included  
|          | - Socioeconomic status influencing places for practice: included  
|          | - Places for practice influencing self-efficacy: included  
| 3 → 4    | **Elements:**  
|          | - Value/social meaning of LTPA: changed to community’s LTPA  
|          | **Relations:**  
|          | - Places for practice influencing the relationship between intention and behavior (moderating effect): changed to places for practice influencing behavior  
| 4 → 5    | **Elements:**  
|          | - Behavior/habituation: changed to habit  
| 5 → 6    | **Elements:**  
|          | - Social network’s LTPA: changed to social network’s habit  
|          | - Community’s LTPA: changed to community’s habit  
|          | - Places for practice: changed to attributes of the places where LTPA is practiced, encompassing the constructs quality and condition, access, and available activities  

Table S1.1. Changes between versions of the conceptual model (continuation).

<table>
<thead>
<tr>
<th>Versions</th>
<th>Changes</th>
</tr>
</thead>
</table>
| 6 → 7    | **Elements:**  
|          | - Perceived environment for practice: included  
|          | **Relations:**  
|          | - Attributes of places where LTPA is practiced influencing perceived environment for practice: included  
|          | - Attributes of places where LTPA is practiced influencing self-efficacy: changed to perceived environment for practice influencing self-efficacy  
|          | - Attributes of places where LTPA is practiced influencing habit: changed to perceived environment for practice influencing habit  
|          | - Intention influencing perceived environment for practice: included  
| 7 → 8    | **Elements:**  
|          | - Habit: changed to behavior  
|          | - Social network’s habit: changed to social network’s behavior  
|          | - Community’s habit: changed to community’s behavior  
|          | - Attitude: removed  
|          | - Self-efficacy: removed  
|          | - Socioeconomic status: removed  
|          | - Quality and condition: changed to quality  
|          | **Relations:**  
|          | - Social environment influencing intention: included  
|          | - Behavior influencing intention: included  
|          | - Behavior influencing perceived environment for practice: included  
|          | - Perceived environment for practice influencing intention: included  
| 8 → 9    | **Elements:**  
|          | - Social network’s behavior: changed to proximal network’s behavior  
|          | **Relationships:**  
|          | - Behavior influencing perceived environment for practice: excluded  
|          | - Perceived environment for practice influencing behavior: changed to influencing the relationship between intention and behavior (moderating effect)  
| 9 → 10   | Review of the operational definitions, relations, design aspects, and introductory text  

Removed elements also had their relations removed. LTPA= leisure-time physical activity.