

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

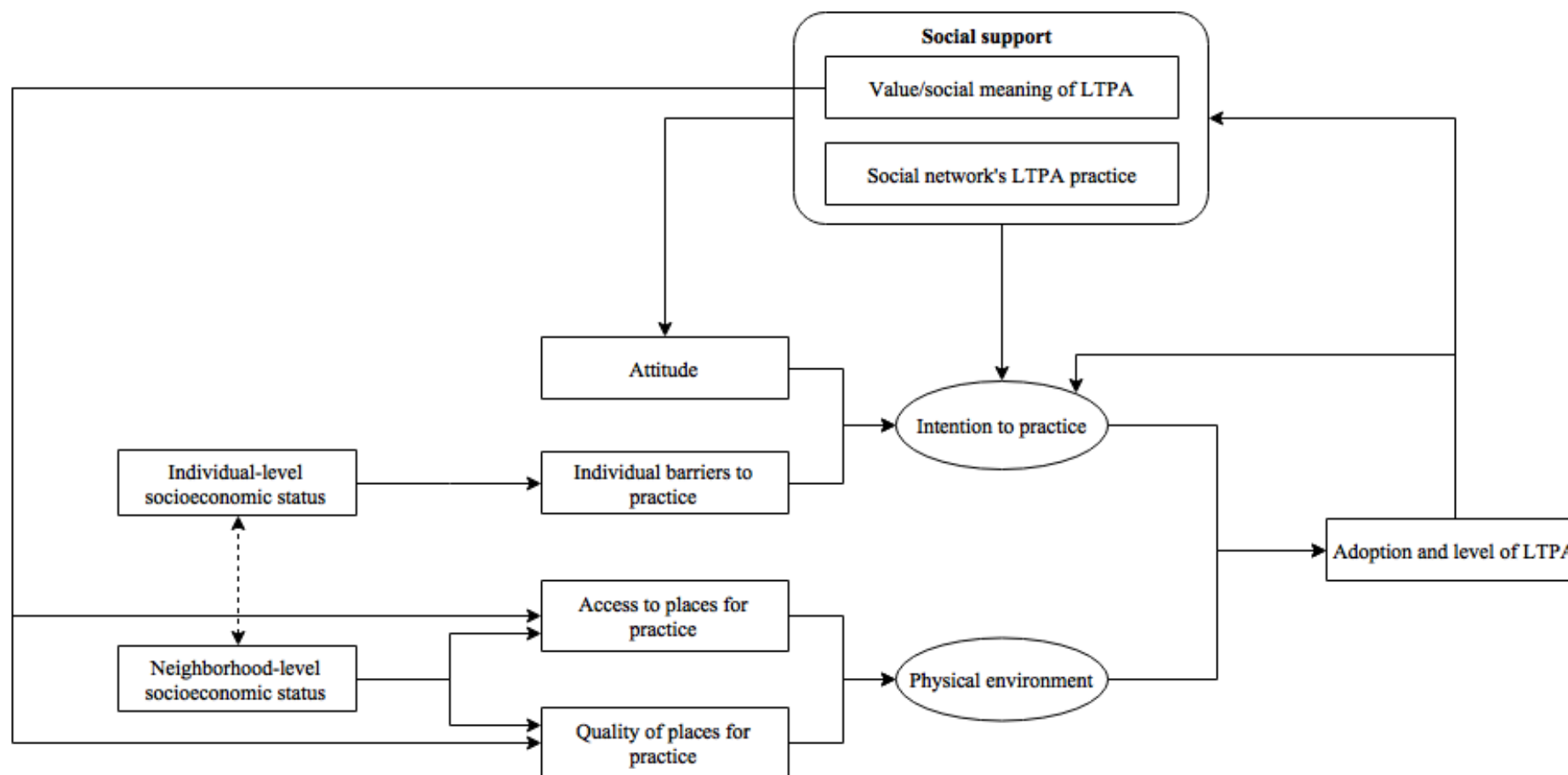


Figure S1.1. First conceptual model developed. LTPA = leisure-time physical activity.

Table S1.1. Changes made between versions of the conceptual model.

Versions	Changes
1 → 2	<i>Elements:</i> - 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 <i>Relations:</i> - 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	<i>Elements:</i> - Socioeconomic status: included - Cognitive processes: changed to intention. The constructs attitude and self-efficacy remained in the model, preceding intention - Behavior: changed to behavior/habitation <i>Relations:</i> - 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	<i>Elements:</i> - Value/social meaning of LTPA: changed to community's LTPA <i>Relations:</i> - Places for practice influencing the relationship between intention and behavior (moderating effect): changed to places for practice influencing behavior
4 → 5	<i>Elements:</i> - Behavior/habitation: changed to habit
5 → 6	<i>Elements:</i> - 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*).

Versions	Changes
6 → 7	<i>Elements:</i> - Perceived environment for practice: included <i>Relations:</i> - 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	<i>Elements:</i> - 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 <i>Relations:</i> - 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	<i>Elements:</i> - Social network's behavior: changed to proximal network's behavior <i>Relationships:</i> - 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.