

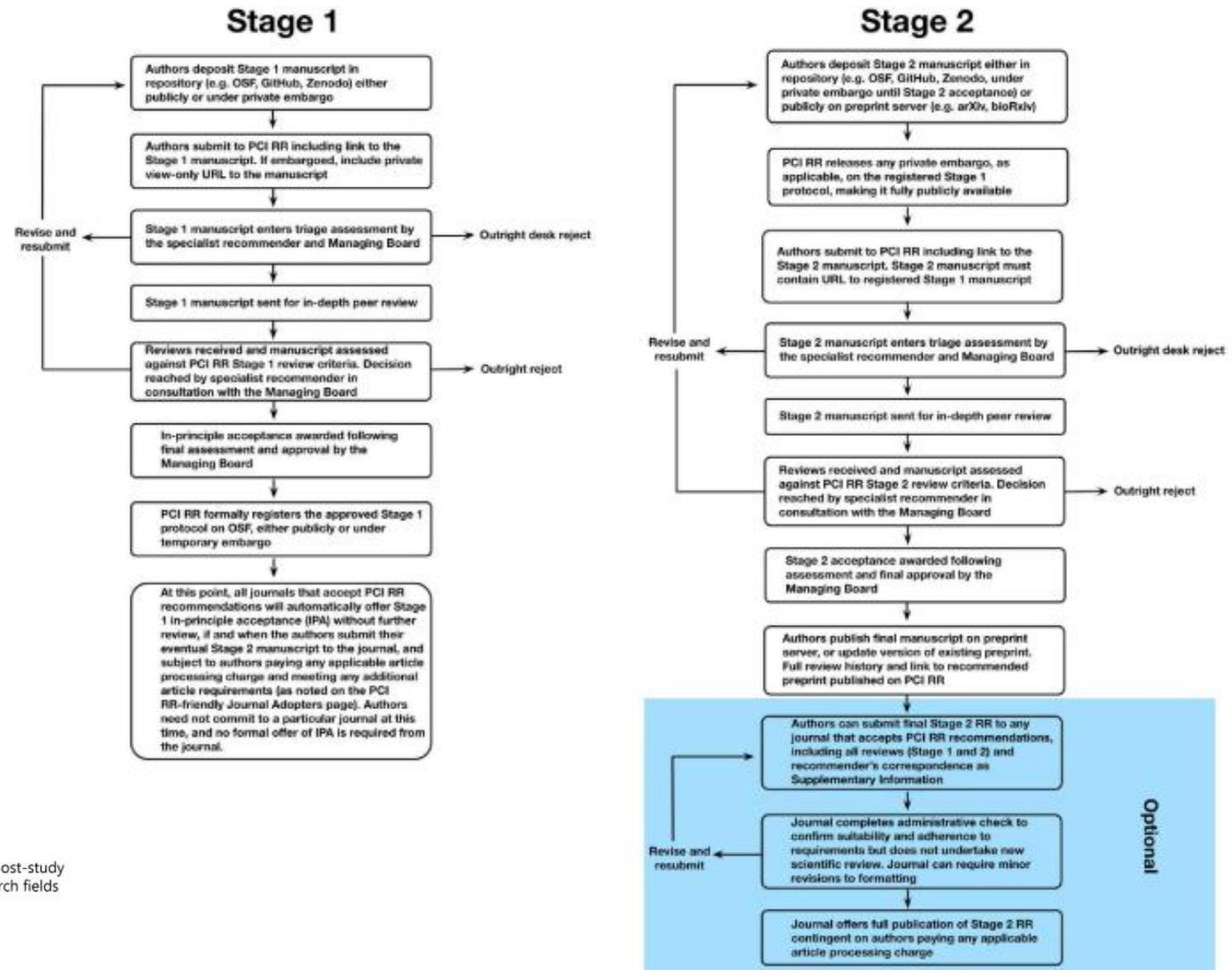
Preparing a registered report for Peer Community In Registered Reports

Louise Poppe – 04/11/2025

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Figure 1. Submission and review workflow for Stage 1 and Stage 2 submissions at PCI RR.



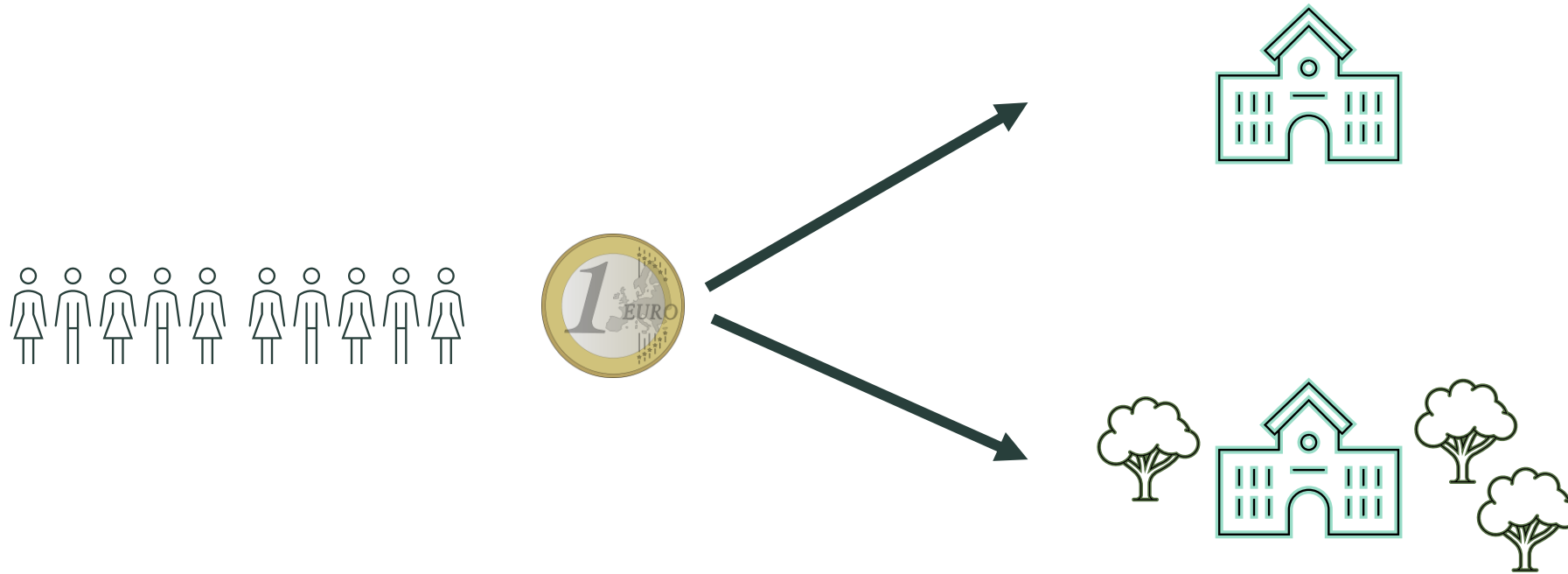
Peer Community In

Registered
Reports

Free and transparent pre- and post-study
recommendations across research fields

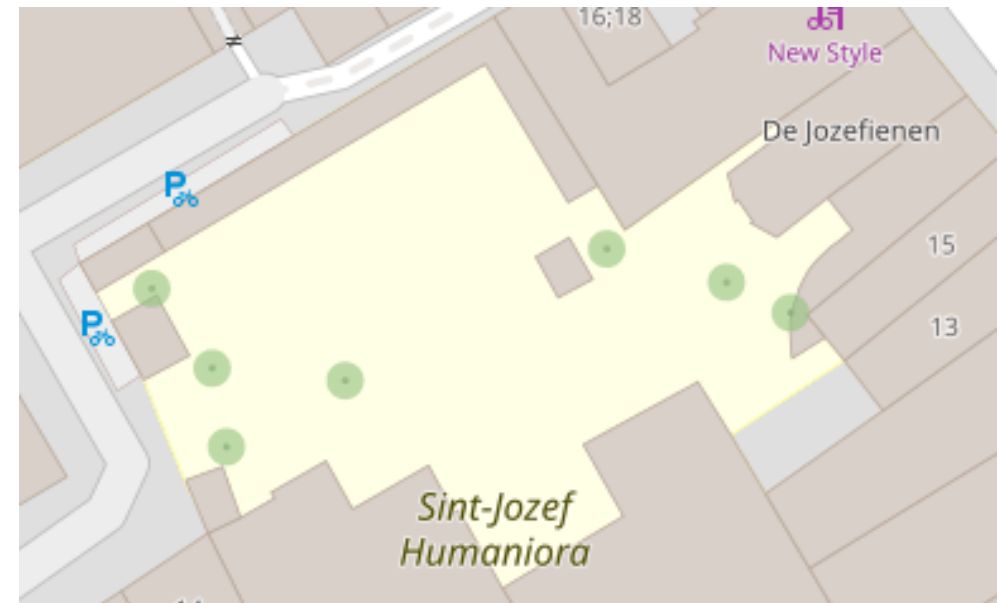
Aim of the study

Examine the causal effect of school-based greenspace on adolescents' mental wellbeing



The study

- Health Behaviors in School-aged Children (HBSC) study – wave 2026
 - > 100 secondary schools
 - > 15 000 adolescents
 - Additional questions
- GIS data
- Open data
 - Poverty index
 - Number of children



Challenges

- (not yet) existing data

Level	Data already exist or will exist prior to IPA	Data are accessible to the authors	Data have been accessed by the authors	At least some data have already been observed by the authors	Key variables in the data have been observed by the authors	Authors have already analysed key variables in the data	Risk of bias due to prior data observation	Multi-disciplinary inclusivity
6	<i>Level 6 description:</i> No part of the data or evidence that will be used to answer the research question yet exists and no part will be generated until after IPA (so-called "primary RR")							
	✗	✗	✗	✗	✗	✗	Zero	Very low
5	<i>Level 5 description:</i> ALL of the data or evidence that will be used to answer the research question already exist but are currently inaccessible to the authors and thus unobservable prior to IPA (e.g. held by gatekeeper)							
	✓	✗	✗	✗	✗	✗	Very low	Very low
4	<i>Level 4 description:</i> At least some of the data/evidence that will be used to answer the research question already exists AND is accessible in principle to the authors (e.g. residing in a public database or with a colleague) BUT the authors certify that they have not yet accessed any part of that data/evidence							
	✓	✓	✗	✗	✗	✗	Low	Low
3	<i>Level 3 description:</i> At least some data/evidence that will be used to answer the research question has been previously accessed by the authors (e.g. downloaded or otherwise received), but the authors certify that they have not yet observed ANY part of the data/evidence							
	✓	✓	✓	✗	✗	✗	Moderate	Moderate
2	<i>Level 2 description:</i> At least some data/evidence that will be used to answer the research question has been accessed and partially observed by the authors, but the authors certify that they have not yet sufficiently observed the key variables within the data to be able to answer the research question AND they have taken additional steps to maximise bias control and rigour (e.g. conservative statistical threshold; recruitment of a blinded analyst; robustness testing, multiverse/specification analysis, or other approach)							
	✓	✓	✓	✓	✗	✗	High – additional steps required to control bias	High
1	<i>Level 1 description:</i> At least some of the data/evidence that will be used to answer the research question has been accessed and the authors HAVE sufficiently observed the key variables to be able to answer the research question, but the authors certify that they have not yet performed ANY of their preregistered analyses, and, in addition, they have taken stringent steps to reduce risk of bias. Such measures will be similar to the countermeasures required for Level 2 but even more intensive, including an extremely conservative statistical threshold, recruitment of a blinded analyst, comprehensive robustness testing, the use of a broad multiverse/specification analysis, or other approaches for controlling risk of bias.							
	✓	✓	✓	✓	✓	✗	Very high – stringent steps required to control bias	Very high

Opportunities

- Free (as it should be)
- Forced to think hard before study starts
 - Known unknowns vs. Unknown unknowns

