

#### Building resilience in physical activity during the transition to adulthood: unravelling the opportunities

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# Building resilience in physical activity during the transition to adulthood:

# unravelling the opportunities

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## INTRODUCTION

### Physical activity and health

- 80% of adolescents are inactive and educational policies are misguided (Guthold et al., 2020);
- Moderate and vigorous physical activity (MVPA) has a significant impact on health (Poitras et al., 2016);
- MVPA engagement is a complex process that evolves over time with life transitions (Gropper et al., 2020).

### **Resilient behavior**

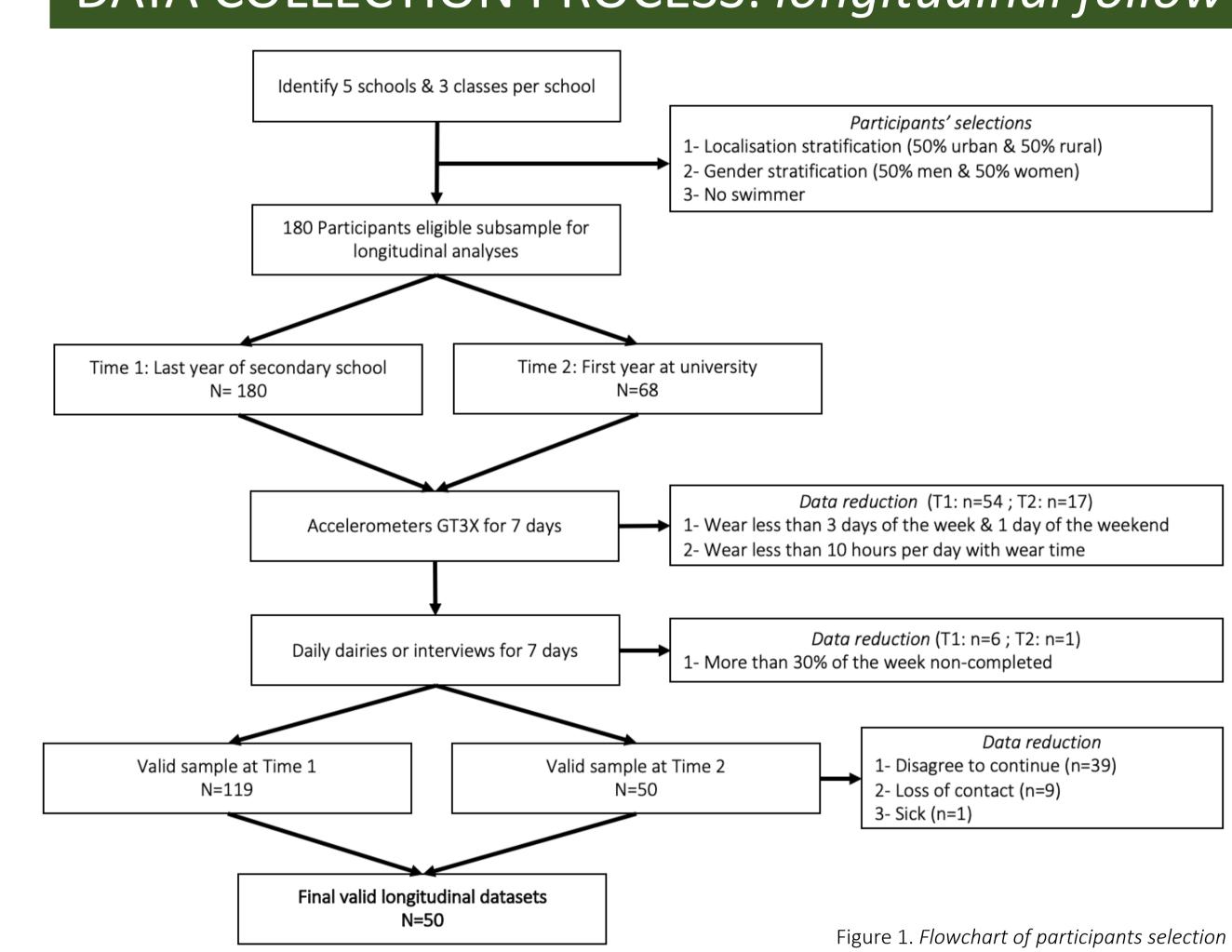
- "The ability of a dynamic system to adapt successfully to disturbances that significant life events can heve major effect of them" Mastens, 2014;
- Moving beyond **reactive** resilience towards **proactive** resilience (Quenault, 2013): better knowledge to anticipate rather than react.

Daily opportunity for PA: a new way to explore adolescents' PA engagement (Derigny et al., 2022).

### **RESEARCH QUESTION**

What physical pratice opportunities characterize physical activity resilient populations?

# DATA COLLECTION PROCESS: longitudinal follow-up



-0.75

-0.50

-0.25

% MVPA during physical education opportunity

0.00

0.25

# RESULTS AND DISCUSSIONS

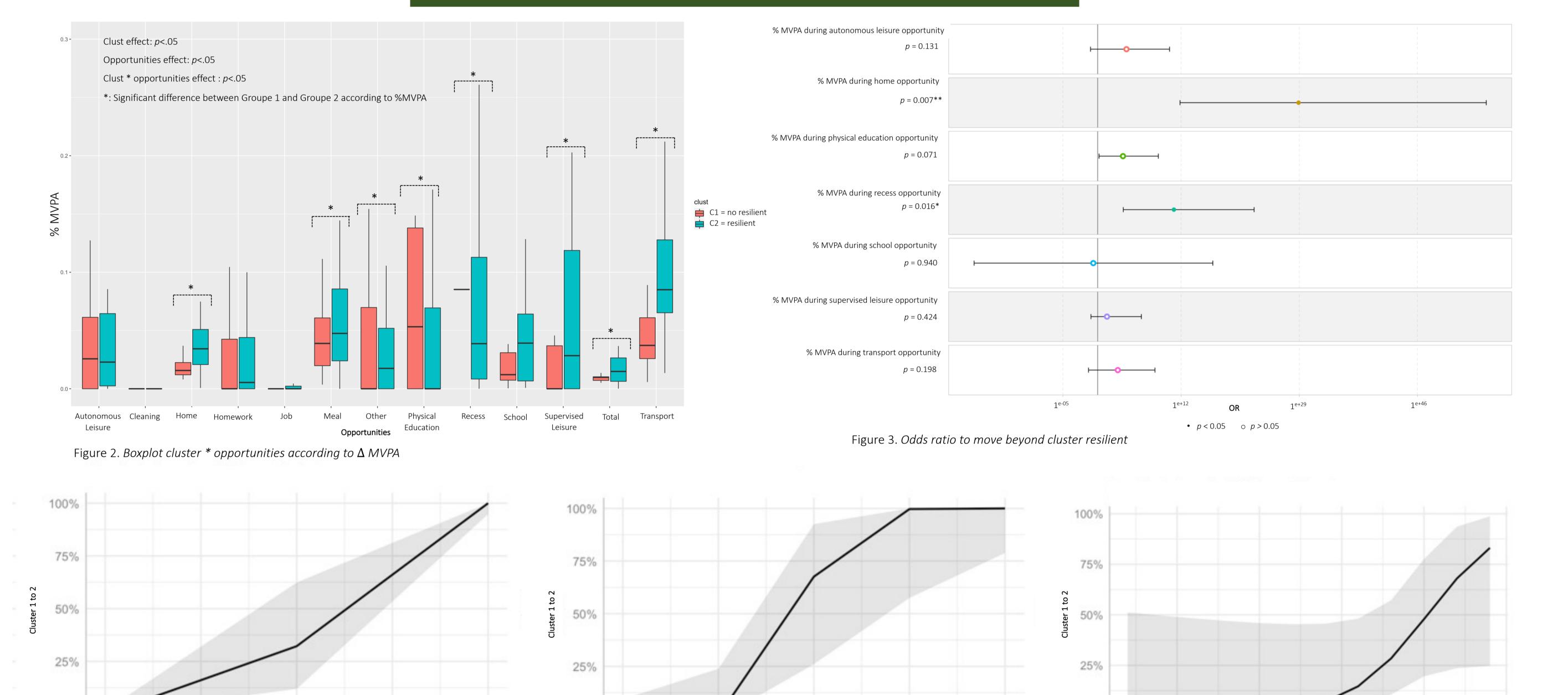


Figure 4. Predicted probabilities to move beyond cluster resilient with an increase of % MVPA in home, recess and physical education lesson

0.1

## PERSPECTIVES & CONCLUSION

0.0

% MVPA during Recess opportunity

0.2

0.4

-0.2

• This study confirmed the adaptive and proactive aspects of PA resilience;

0.0

% MVPA during Home opportunity

- This study suggested that current policies to promote PA should combine (i) quantity of practice, (ii) diversity of opportunities and (iii) quality education to facilitate PA resilient behaviour;
- Preliminary results of the first cohort.

-0.1

-0.2

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0.2

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-0.4

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