

Under the skin

Early-life stress exposure and the co-occurrence of mental and physical health problems

Table of contents

PREFACE	4
Aknowledgements	5
INTRODUCTION	6
References	6
I PART 1: The role of ELS in the development of mental and physical health	7
1 ELS and adolescent psycho-physical health	8
Abstact	8
1.1 Introduction	8
1.2 Methods	8
1.3 Discussion	8
References	8
2 Lifestyle factors, ELS and adolescent psycho-physical health	9
Abstact	9
2.1 Introduction	9
2.2 Methods	9
2.3 Discussion	9
References	9
3 ELS and intracortical myelination	10
Abstact	10
3.1 Introduction	10
3.2 Methods	10
3.3 Discussion	10
References	10
4 ELS and cardiac morphology	11
Abstact	11
4.1 Introduction	11
4.2 Methods	11
4.3 Discussion	11
References	11

II	PART 2: Reciprocal relationships between mental and physical health problems	12
5	Longitudinal psycho-physical co-development	13
	Abstract	13
	5.1 Introduction	13
	5.2 Methods	13
	5.3 Discussion	13
	References	13
	DISCUSSION	14
	References	14

PREFACE

“In the depth of winter, I found there was, within me, an invincible summer.” Albert Camus
– Summer (1954)

AUTHOR

Serena Defina

PROMOTOR

Henning Tiemier

CO-PROMOTORS

Charlotte A.M. Cecil
Janine F. Felix

Note

This is a work in progress. Stay tuned :)

Aknowledgements

TODO

INTRODUCTION

Dear reader,

oh my good why does this not update

This an that (Fraser et al., 2013; R Core Team, 2021)

See Chapter [1](#) for additional discussion.

References

Part I

PART 1: The role of ELS in the development of mental and physical health

1 ELS and adolescent psycho-physical health

Adapted from:

Differential effects of pre- and postnatal early-life stress on internalizing, adiposity and their comorbidity

Defina, S., Woofenden, T., Baltramonaityte, V., Pariante, C. M., Lekadir, K., Jaddoe, V. W., Serdarevic, F., Tiemeier, H., Walton, E., Felix, J. F., & Cecil, C. A. M., *on behalf of the EarlyCause Consortium*. (2023). JAACAP*. [DOI](#)

Abstact

1.1 Introduction

In summary, this book has no content whatsoever (Boyd et al., 2012; Fraser et al., 2013). But I shall write it anyway cause. Cause I kind of do have no choice so, checking justification works

1.2 Methods

1.3 Discussion

References

2 Lifestyle factors, ELS and adolescent psycho-physical health

Adapted from:

The role of lifestyle factors in the association between early-life stress and adolescent psycho-physical health: Moderation analysis in two European birth cohorts

Defina, S., Woofenden, T., Baltramonaityte, V., Tiemeier, H., Fairchild, G., Felix, J. F., Cecil, C.A.M., & Walton, E. (2024). *Preventive Medicine*. [DOI](#)

Abstact

2.1 Introduction

In summary, this book has no content whatsoever (Boyd et al., 2012; Fraser et al., 2013). But I shall write it anyway cause. Cause I kind of do have no choice so, checking justification works

2.2 Methods

2.3 Discussion

References

3 ELS and intracortical myelination

Adapted from:

Early-life stress exposure and intracortical myelination in childhood: a population-based neuroimaging study

Defina, S., Manzoni, D., Tiemeier, H., Brouwer, R.M., Cecil, C.A.M., & Muetzel R.L. (*in preparation*)

Abstact

3.1 Introduction

In summary, this book has no content whatsoever (Boyd et al., 2012; Fraser et al., 2013). But I shall write it anyway cause. Cause I kind of do have no choice so, checking justification works

3.2 Methods

3.3 Discussion

References

4 ELS and cardiac morphology

Adapted from:

Early-life stress exposure and heart morphology in childhood: a prospective population-based study

Defina, S., Kamphuis, A., Gaillard, R., & Felix, J. F. (*in preparation*)

Abstact

4.1 Introduction

In summary, this book has no content whatsoever (Boyd et al., 2012; Fraser et al., 2013). But I shall write it anyway cause. Cause I kind of do have no choice so, checking justification works

4.2 Methods

4.3 Discussion

References

Part II

PART 2: Reciprocal relationships between mental and physical health problems

5 Longitudinal psycho-physical co-development

Adapted from:

Longitudinal co-development of depressive symptoms and cardio-metabolic risk factors from childhood to young adulthood

Defina, S., Cecil, C.A.M., Felix, J.F., Walton, E., & Tiemeier, H. (*under revision*)

Abstact

5.1 Introduction

In summary, this book has no content whatsoever (Boyd et al., 2012; Fraser et al., 2013). But I shall write it anyway cause. Cause I kind of do have no choice so, checking justification works

5.2 Methods

5.3 Discussion

References

DISCUSSION

See Chapter 1 for whatever whatever.

References

- Boyd, A., Golding, J., Macleod, J., Lawlor, D. A., Fraser, A., Henderson, J., Molloy, L., Ness, A., Ring, S., & Davey Smith, G. (2012). Cohort profile: The 'children of the 90s'—the index offspring of the avon longitudinal study of parents and children [Journal Article]. *International Journal of Epidemiology*, 42(1), 111–127. <https://doi.org/10.1093/ije/dys064>
- Fraser, A., Macdonald-Wallis, C., Tilling, K., Boyd, A., Golding, J., Davey Smith, G., Henderson, J., Macleod, J., Molloy, L., Ness, A., Ring, S., Nelson, S. M., & Lawlor, D. A. (2013). Cohort profile: The avon longitudinal study of parents and children: ALSPAC mothers cohort [Journal Article]. *Int J Epidemiol*, 42(1), 97–110. <https://doi.org/10.1093/ije/dys066>
- R Core Team. (2021). *R: A language and environment for statistical computing* [Journal Article]. <https://www.R-project.org/>