

## Otávio A. A. Leão, Ph.D.

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Assistant Professor  
Department of Health and Kinesiology  
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### Education

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- 2022**                    PhD in Epidemiology.  
Postgraduate Program in Epidemiology, Federal University of Pelotas, Brazil.  
Supervisor: Andréa Homsí Dâmaso  
Co-supervisor: Gregore Iven Mielke  
Title: "Influence of physical activity and screen time on early childhood development "
- 2017**                    Master's in Public Health.  
Postgraduate Program in Public Health, Federal University of Rio Grande, Brazil.  
Supervisor: Alan Goularte Knuth
- 2015**                    Bachelors in Physical Education.  
Federal University of Pelotas, Brazil.  
Supervisor: Fernando Carlos Vinholes Siqueira

### Professional Experience

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- 2018 – 2023            Postdoc Researcher, 2015 (Pelotas) Birth Cohort, Postgraduate Program in Epidemiology, Federal University of Pelotas, Brazil
- 2018 – 2023            Database Manager, 2015 (Pelotas) Birth Cohort, Postgraduate Program in Epidemiology, Federal University of Pelotas, Brazil

### Peer Reviewed Publications

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1. SOARES, P. S. M. ; LEÃO, OTÁVIO AMARAL DE ANDRADE ; DIAS, M. ; WEHRMEISTER, F. C. ; MENEZES, A. M. ; GONCALVES, H. . Effect of adolescent body mass index trajectories on working memory: a prospective birth cohort in Brazil. *Journal of Attention Disorders*, v. 1, p. 1, 2023.
2. LEÃO, O. A. A.; DOMINGUES, M. R. ; BERTOLDI, A. D. ; RICARDO, L. I. C. ; MULLER, W. A. ; TORNQUIST, L. ; MARTINS, R. C. ; MURRAY, J. ; SILVEIRA, M. F. ; SILVA, I. C. M. ; HALLAL, P. C. ; MIELKE, G. I. . Effects of Regular Exercise During Pregnancy on Early Childhood Neurodevelopment: The Physical Activity for Mothers Enrolled in Longitudinal Analysis Randomized Controlled Trial. *Journal Of Physical Activity & Health*, v. 1, p. 1-8, 2022.
3. LEÃO, OTÁVIO AMARAL DE ANDRADE; MIELKE, GREGORE IVEN ; HALLAL, PEDRO CURI ; CAIRNEY, JOHN ; MOTA, JORGE ; DOMINGUES, MARLOS RODRIGUES ; MURRAY, JOSEPH ; BERTOLDI, ANDRÉA DÂMASO . Longitudinal Associations Between Device-Measured Physical Activity and Early Childhood Neurodevelopment. *Journal of Physical Activity & Health*, v. 19, p. 80-88, 2022.
4. HERNANDEZ, A. E. ; KINALSKI, M. A. ; LEÃO, O. A. A. ; BERGOLI, C. D. ; FAOT, F. ; SANTOS, M. B. F. . Assessment of Surgical and Radiographic Parameters for Abutment Height Selection: A

Prospective Study with 1-Year Follow-up. INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS, v. 37, p. 1037-1043, 2022.

5. LEÃO, O. A. A.; MIELKE, G. I.; SILVEIRA, M. F.; DOMINGUES, M. R.; MURRAY, J.; NEUMANN, N. A.; DALABONA, C. C.; BERTOLDI, A. D. . Influence of center-based childcare on development of two-year-olds in a Brazilian cohort. REVISTA DE SAÚDE PÚBLICA (ONLINE), v. 55, p. 32, 2021.
6. LEÃO, O. A. A.; MEUCCI, R. D.; KNUTH, A. G. . Comportamento sedentário em idosos residentes de zona rural no extremo sul do Brasil. REVISTA BRASILEIRA DE EPIDEMIOLOGIA, v. 23, p. 1, 2020.
7. ISOLAN, CP.; KINALSKI, MD.; LEÃO, OA.; POST, LK.; ISOLAN, TM.; DOS SANTOS, MB. . Photobiomodulation therapy reduces postoperative pain after third molar extractions: A randomized clinical trial. Medicina Oral Patologia Oral y Cirurgia Bucal, v. 1, p. 1, 2020.
8. CESAR, J. A.; MARMITT, L. P.; DZIEKANIAK, A.; LEITE, S.; LEÃO, O. A. A.; SAUER, J. . Non-performance of urinalysis among pregnant women in Brazil. INTERNATIONAL JOURNAL OF HEALTH CARE QUALITY ASSURANCE, v. 32, p. 224-232, 2019.
9. RICARDO, L. I. C.; SILVA, I. C. M.; LEÃO, O. A. A.; DOMINGUES, M. R.; WEHRMEISTER, F. C. . Objectively measured physical activity in one-year-old children from a Brazilian cohort: levels, patterns and determinants. International Journal of Behavioral Nutrition and Physical Activity, v. 16, p. 131, 2019.
10. SANTOS, T. S.; LEÃO, O. A. A.; SILVA, M. C. . ATIVIDADE FÍSICA NO DESLOCAMENTO EM ESTUDANTES DE EDUCAÇÃO FÍSICA ? UM ESTUDO LONGITUDINAL. PENSAR A PRÁTICA (ONLINE), v. 22, p. 53120, 2019.
11. AMARAL DE ANDRADE LEÃO, OTÁVIO; SILVA DOS SANTOS, TIAGO; COZZENSA DA SILVA, MARCELO . Correlation between physical activity and sedentary behavior in students. REVISTA BRASILEIRA EM PROMOÇÃO DA SAÚDE (ONLINE), v. 31, p. 1-6, 2018.
12. SANTOS, TIAGO; LEÃO, OTÁVIO; LEITE, JAYNE; SILVA, MARCELO . Atividade física em acadêmicos de Educação Física: um estudo longitudinal. REVISTA BRASILEIRA DE ATIVIDADE FÍSICA E SAÚDE, v. 22, p. 76-84, 2017.

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## Manuscripts Accepted for Publication

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1. LEÃO, O. A. A.; FLORES, T.R.; MIELKE, G. I.; CROCHEMORE-SILVA, I.; BERTOLDI, A. D.; DOMINGUES, M.R.; MURRAY, J.; TOVO-RODRIGUES, L.; OLIVEIRA, I.O.; HALLAL, P. C. Physical activity and chronic stress in early life: Findings from the 2015 Pelotas (Brazil) Birth Cohort. Journal of Physical Activity & Health.

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## Manuscripts Submitted for Publication

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1. LEÃO, O. A. A.; FLORES, T. R.; BARRATT, J.; DOMINGUES, M.R.; CAIRNEY, J.; EKELUND, U.; CROCHEMORE-SILVA, I.; MIELKE, G.I.; HALLAL, P. C.. (2022). Bi-directional associations between physical activity and growth indicators of pre-school aged children. Journal of Sports Sciences (under review).
2. LEÃO, O. A. A.; BERTOLDI, A. D.; DOMINGUES, M.R.; MURRAY, J.; SANTOS, I. S.; BARROS, A. J. D.; MATIJASEVICH, A.; MIELKE, G.I. (2022). Cross-sectional and prospective associations between screen time and childhood neurodevelopment in two Brazilian cohorts born 11 years apart (under review).

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## Research Grants and Funding

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**National Council for Scientific and Technological Development (2022)**

Silveira, MF (PI)

**CNPq/MCTI/FNDCT N° 18/2021****Project:** Effects of COVID-19 infection and social isolation on maternal and child health: 2015  
Pelotas Birth Cohort**Budget:** \$43,840 USD**FAPERGS (Foundation for the Support of Research in the State of Rio Grande do Sul) (2022)**

Dâmaso, AH (PI)

**FAPERGS 07/2021****Project:** Effects of COVID-19 infection and social isolation on maternal and child health: 2015  
Pelotas Birth Cohort**Budget:** \$10,510 USD

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**Invited Guest Lectures**

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Leão, O.A.A. (2022). Types of epidemiological studies: Cohort and case-control. University Center FMABC, Brazil.

Leão, O.A.A. (2020). Concepts of epidemiology and biostatistics. Faculty of Dentistry, Federal University of Pelotas, Brazil.

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**Advising and Mentoring**

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**Federal University of Pelotas**

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**Doctoral Students – Co-advisor**

2022 – present    Giulia Salaberry Leite, PhD student, Postgraduate Program in Epidemiology

**Undergraduate Mentorship****Supervised Research Experience**

Maria Eduarda Armindo de Souza, Faculty of Dentistry, 2019

**Journal Peer-Reviewer (Ad Hoc)**

Revista da Associação Médica Brasileira

Epidemiologia e Serviços de Saúde

Journal of Sport Sciences

Journal of Physical Activity &amp; Health

Paediatric and Perinatal Epidemiology

Journal for the Measurement of Physical Behaviour

BMC Psychiatry