SALURBAL Project and Publications Priorities through March 31, 2023

February 2022

SALURBAL priorities through March 2023

- Cross-cutting:
    - Prioritize completing all approved manuscript proposals, especially those identified as priority by the Executive Committee.
    - Assist in the development of new activities and proposals to continue SALURBAL funding with a special focus on climate related work.
- Aim 1:
    - Support additional data compilation efforts needed for priority papers including updates and completion of historical vital statistics, obtaining additional surveys as necessary, and supporting census and built environment variable creation
    - Support priority small area, longitudinal and climate related papers identified as new priorities by the Executive Committee
- Aim 2:
    - Complete policy evaluation project data collection and analysis
    - Submit proposals, write manuscripts, and publish policy evaluation results
- Aim 3:
    - Complete and publish first-phase transport agent-based model paper
    - Explore addition of climate-related variables to existing food model and transport model
- Aim 4:
    - Continued dissemination of research findings and engagement with policy actors to facilitate translation

Refocusing efforts toward funding renewal:

- Completion of existing work to further demonstrate productivity
- Continue existing climate work and initiate other activities in alignment with Wellcome's new strategy
- Focus on supporting completion of priority papers across country teams, cores, working groups, data and analytical support teams
- Support development of new proposals that align with SALURBAL priorities, with increased support and oversight of cores and working groups

New research priorities and priority papers under Aim 1:

Life events:

- Explore smaller scale variations in mortality within cities and association with small area variations on other relevant factors
    - 147: Inequity and life expectancy in Buenos Aires, 2015-2017: a small area estimation approach, Andres Trotta
    - 171: Distribution of life expectancy in the city of Córdoba, Argentina: Estimates based on census tract units (2015-2018), Santiago Rodriguez
    - Under review: Life expectancy in small areas in six Brazilian state capitals, 2015-2019, Thais Lopes de Oliveira
    - <u>New</u>: Small scale variations in IMR– Ana Ortigoza
    - For the future: Small scale variations in Chilean cities w/ census variables

- Longitudinal trends in life expectancy/cause specific mortality rates and city factors associated with differential trends
    - New: Parental leave policies and longitudinal trends in IMR – Ana Ortigoza
    - New: Longitudinal trends in life expectancy/cause-specific mortality rates and city factors associated with differential trends – Usama Bilal and Goro Yamada
- Health effects of heat and air pollution (mortality, life expectancy, birth outcomes)
    - 135: Modification of heat-related mortality by area-level socioeconomic characteristics in Latin American cities, Maryia Bakhtsiyarava
    - 146: Exposure to high temperature and birth weight in Latin American cities, Maryia Bakhtsiyarava

Health survey:

- Big picture descriptives of risk factor prevalences and associations with city social and built environment factors (L2 and L1AD):
    - 71: City features related to preschool children's obesity, Jessica Zafra
    - 119: Characteristics associated with self-reported violence and crime across Latin America cities, Desiree Vidaña-Pérez
    - 177: Overview of the retrospective health surveys data harmonization in the SALURBAL project: Methods and descriptive results, Kari Moore, Mariana Lazo
    - New: Dietary pattern descriptives and built environment city factors associated with diet across cities – Nancy Lopez Olmedo?
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- Small area and risk factor cross sectional analyses:
    - 200: Characteristics of small areas and BMI in Latin American cities, Santiago Rodriguez
    - 169: Interaction between individual and neighborhood level SES and self-reported health: a study of cities in Latin America, Victoria León
- Big picture longitudinal:
    - New: Longitudinal survey measures & inequities proposal in development focused on BMI – Serena Perner
- Next steps in inequities work with survey data:
    - New: Changes in inequities in survey outcomes over time –potentially addressed by paper above – Serena Perner

COVID and infectious diseases:

- Complete ongoing work:
    - 156: The two outbreaks that exposed the scope of socioeconomic inequalities in Latin America: inequities in Dengue and COVID-19 in Latin American Cities., Mabel Carabali
    - 189: Is COVID-19 impacted by urban landscape and street design profiles in Latin American cities?, Adalberto Lopes
- Excess mortality during pandemic:
    - New: Paper on excess mortality for SALURBAL cities modeled on pre-existing work done in Chile and Guatemala once data becomes available – Usama Bilal et al
- Explore climate related infectious disease analyses that may be possible
    - New: Proposal in development on temperature and Dengue – Waleska's team

Built environment:

- Longitudinal changes over time in urban form and corelates/predictors of changes

        - New: Longitudinal changes in urban form (potentially with links to temperature?) – lead author TBD
- Heat and temperature
    - New: City factors associated with city level temperatures – in development, Ramarao M.V.S.
- Factors associated with small scale variations built and physical environments:
    - BE Core: Consider developing one proposal including temperature, greenness, and other BE/PE variables
- Trends in air pollution over time and their correlates
    - New: Trends in air pollution over time and their correlates – lead author(s) TBD
- Other ways of using the rich built environment data
    - 190: Urban city profiles and their relationships with health: An empirical typology of cities from a Latin American context, Atiyya Shaw

Social environment:

- Longitudinal analyses:
    - New: Longitudinal changes over time in social environment features and their association with other city characteristics including BE – specific variables and lead author(s) tbd