## Child Biomarkers

|  | Age 14 Months | Age 28 Months |
| --- | --- | --- |
| Outcome | Median (25th, 75th percentile) | Median (25th, 75th percentile) |
| TS\_t2\_Z | -0.07 (-0.67, 0.53) | -0.03 (-0.66, 0.58) |
| TS\_t3\_Z | Median (25th, 75th percentile) | Median (25th, 75th percentile) |
| delta\_TS\_Z | -0.07 (-0.67, 0.53) | -0.03 (-0.66, 0.58) |

Report TL as TS ratio – don’t use Z scores

Ask kathy for help w formatting

Only one column; outcome + median

One row – Telomere length at 14 months (T/S)

Next row – TL age 28 months (T/S)

Next row - Change in TL btwn 14 and 28 months

Using world bank for policy data

 Please state the main purpose of your practicum.

I will help contribute to a research project evaluating the effect of domestic violence legislation on changes in intimate partner violence and improvements in child health across low- and middle-income countries. This project uses previously collected data from population-based surveys conducted in low- and middle-income countries (the Demographic and Health Surveys), linked with country-level policy information. I will be involved with various aspects of the research project, including data cleaning, conducting basic analyses, and assisting with manuscript preparation (e.g., helping construct tables and figures, searching for relevant studies, etc.)

**2. Background/Context:** Please describe the mission of your host organization and how it relates to public health, the context for your project or work, and the anticipated value of this project or work to the host organization.

This research is being conducted at the Mailman School of Public Health. Columbia University Mailman School of Public Health’s mission is to educate the next generation of public health leaders, conduct groundbreaking discovery, and deliver solutions to protect and improve health of people everywhere. The research I contribute to during my APEx will contribute to a greater understanding of legislation impacts on the prevalence of intimate partner violence in low- and middle-income countries. This project will add to the valuable research conducted at Mailman, and will also contribute to the overall scientific literature about intimate partner violence in globally understudied populations.

**3. Practicum Plan:** What are your specific roles, responsibilities and related activities for your practicum?

I will primarily focus on drafting sections of a paper evaluating of the effect of domestic violence legislation on women’s reported intimate partner violence across a range of low- and middle-income countries. As the experience continues and the project expands, I may have some opportunities to work with data cleaning and analysis as well. Depending on the progress of this project during the summer, there may be an opportunity to link IPV outcomes with child health indicators as well—though this depends on the rate at which our work progresses during the summer.

**4. Research Methods:** If your practicum involves research, please state in a brief paragraph your research question and describe your anticipated methods. **If your practicum does not involve research, enter 'None.'**

Our research question is to explore if, and to what extent, domestic violence legislation across low- and middle-income countries impacts the rates of intimate partner violence in these settings. Research methods will include using data previously collected via the Demographic and Health Surveys, and linking this data with country-level policy information. The data used in this study is already collected, so the methods I employ will primarily focus on interpreting the findings from the data in a manuscript-style written paper. In terms of any data cleaning or analysis I perform, the specific methods I will use will be taught to me by my supervisor.

**5. Timeline:** What is your proposed month-by-month timeline for achieving your overall goals?

**6. Conferences:** What meetings, conferences and/or seminars do you plan to attend as part of your practicum experience? **If none, enter 'None.'**

I will attend weekly check-ins with my supervisor to ensure that I am staying on top of my goals for the project. These meetings will also be opportunities for me to clarify any questions or concerns I might have.

**7. Anticipated source of required equipment, technology, etc.:** If you will require translators, daily transportation, a computer, furniture, a work space or any other resources, please note whether the site will provide them; if not, describe how you will obtain them. **If none, enter 'None.'**

This is a remote position in which I will work from home; I will use my personal home workspace as well as my personal laptop.

**8. Challenges:** Please describe any anticipated challenges and steps you plan to take to overcome them.

It may be challenging to work with data as I have more writing experience than I do with data. However, my supervisor will train me for the data-related work that I will do, and she will be available to answer my questions.

**9. Deliverables Expected at Close of Practicum:** Please state what you expect to submit to the agency/program at the conclusion of your practicum (e.g. data collection instruments, data sets, data analysis/report, program plan, educational curriculum, etc.)

Expect to submit drafted sections of a certain part of a paper

**10. Deliverable required by departmental practicum office:** Please state what you expect to submit to your department at the conclusion of the practicum (e.g abstract approved by practicum supervisor, poster approved by practicum supervisor, report, etc.)

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* Vitamin D - Roche Kit by electrochemiluminescence binding assay
* Ferritin, sTfR, and RBP - sandwich ELISA assay
* CRP & AGP - ELISA protocols
* 13 cytokines - multiplex Luminex technology
* Cortisol - DetectX® Cortisol Immunoassay kit
* Estriol - IBL-America Free Estriol ELISA