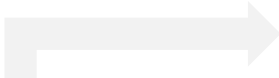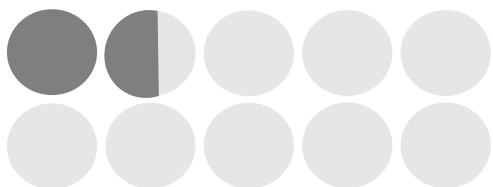This dissertation explored the question: **Are priorities with certain characteristics statistically more likely to lead to funded research and/or translational work?** To answer this question, 525 priority questions were coded with characteristics (e.g., number of words in the priority) and statistical tests were then run to see whether there was an association between certain characteristics and translational outcomes (e.g., funded research).

Translating Research Priorities into Funded Research:
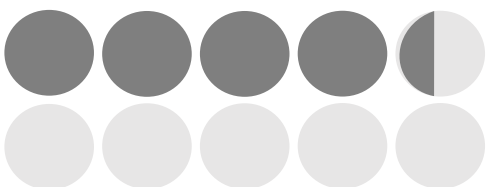## A quantitative analysis of James Lind Alliance Top 10s

Outcomes-related information was broken down into two categories: **Funded Research** and **Translational Work**. **Funded Research** included outcomes that indicated funded research was underway or completed. **Translational Work** included the first category as well as other outcomes that did not fit in the first category (e.g., funded DPhil Commissioning brief). This category was intentionally designed to be wider to capture all outcomes.
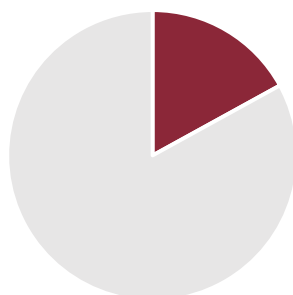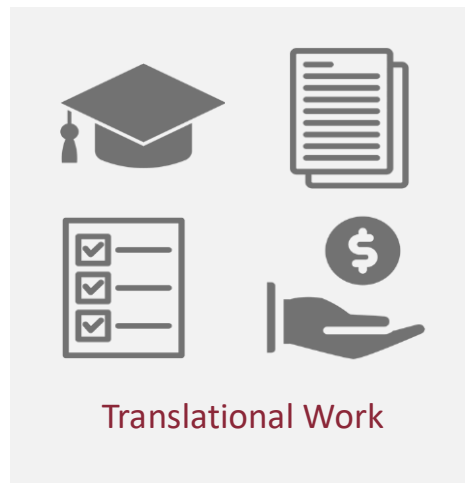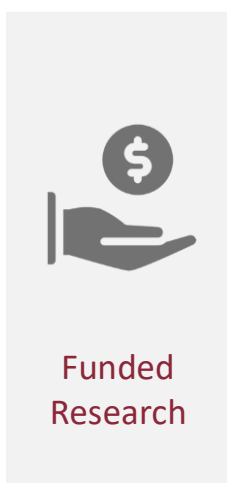
Funded Research

Translational Work

On average…

1.67 Top 10 priority questions resulted in funded research
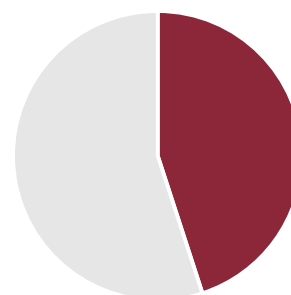
4.33 Top 10 priority questions resulted in translational work

17% of Top 10 priorities resulted in funded research

45% of Top 10 priorities resulted in translational work

On average, there were **21 words** per Top 10 priority question.

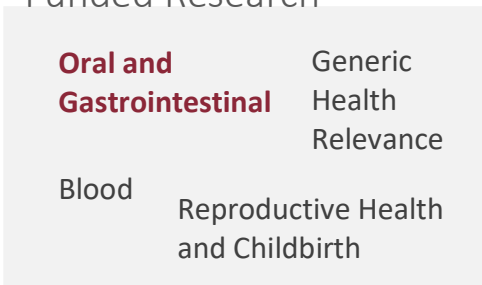**92.6%** of Top 10 priorities have just one question in the priority.

Top 10 priority questions with **1 question** were more likely to result in translational work.

Top 10 priority questions **ranked higher on the list** were more likely to result in funded research.

Top 10 priority questions with **all four PICO elements** were more likely to result in funded research.

Prior to this dissertation, the 525 priority questions were coded by HRCS Health Category and Research Activity, a task undertaken by Dr. Joanna Crocker's Prioritising Health Research project. This dissertation as able to utilize those previously identified classifications to determine whether there was an association between HRCS Health Categories and/or Research Activities and Funded Research and/or Translational Work. For HRCS Research Activities, one statistically significant positive association was found: funded research and "Evaluation of Treatments and Therapeutic Interventions." For the HRCS Health Categories, the results are shared below. **Positive associations** indicated that the priorities within the category were <u>more</u> likely to have associated outcomes. **Negative associations** likewise meant <u>less</u> likely.

Funded Research

Oral and Gastrointestinal   Generic Health Relevance

Blood   Reproductive Health and Childbirth

Positive statistically significant associations

Negative statistically significant associations

Translational Work

Cancer and Neoplasms   **Skin**

Inflammatory and Immune System

Oral and Gastrointestinal   **Infection**

Congenital Disorders   Ear

Musculoskeletal

Blood   Neurological   Injuries and Accidents

If you have any questions about any of the following data, feel free to reach out to **Madeline Tatum** at madeline.e.tatum@gmail.com.