**Compendium data and Infobase Discussion**

**2019-07-24**

**Meeting Minutes**

In attendance: Forest Dussault, Dominique Ibanez, Cunye Qiao, Julie Ennis

Reviewed the Infobase project with current and planned visualizations. Identified some changes that can be implemented right away and areas where we need additional information from users.

* Bar graph visualizations:
  + Changes to implement:
    - Text box on left hand: Clarify that it is Mean (SE), add line with 95% Confidence Interval of the Mean, add the E for the mean (SE) where relevant (e.g. Vitamin D, 19-30 yr, males, Saskatchewan)
    - Bar graphs: add horizontal line (hat) on the 95% confidence interval; in cases where the mean has an E (e.g. Vitamin D, 19-30 yr, males, Saskatchewan) the bar should have crosshatching or some other way of depicting this
    - Add the comment box with the information found in the footnotes of the compendium data files (E, F, <3)
  + Potential changes to implement after further discussion:
    - Add drop down menu to allow user to select which data to display (mean, P5, P10, etc)
    - Download button to download the nutrient-specific data file from Open Data rather than the entire dataset for all nutrients
    - Delete information regarding the DRIs
* Map visualizations:
  + Agreement that these are worth keeping; however, likely also be useful to display the data for % > or < DRI values.
  + Consult with users for information about whether they would be interested in all DRI age-sex groups or pooled age groups (19 years+). If DRI groups there would be a fair bit of suppressed data so we would have to plan for how this would be presented in the visualizations.
  + Link to the Nutrition and Health Atlas where similar maps were available from 2004 CCHS-Nutrition: <https://www.canada.ca/en/health-canada/services/food-nutrition/food-nutrition-surveillance/canada-nutrition-atlas.html>
* Distribution curve visualizations:
  + Agreement that these are worth pursuing after consulting with users to get input on the level of granularity (national vs. provincial level; all DRI age-sex groups vs. broader group (i.e., 19 years +))
  + Once we have decisions made on which data will be visualized, Cunye to provide Forest with the relevant datasets. At this point we will also have a better understanding of how reliable the estimates are (i.e. how many E, F, <3) and this can guide how this is handled in the visualizations.
* Next steps:
  + Plan a focus group with various data users from BNS and ONPP and present planned visualizations with specific questions. List of questions to be further developed but some examples included below:
    - Bar graphs of nutrient intakes across DRI age sex groups
      * What data to include- mean, percentiles?
      * Is it worth displaying information on the DRI values and % >/< in the text boxes?
    - Map of Canada
      * What data to display- mean intake, % <EAR, % within AMDR, % > AI, % >UL, %>CDRR?
      * All DRI age-sex groups or pooled estimates (19 years+, children, adolescents)?
    - Distribution curves
      * All DRI age-sex groups or pooled estimates (19 years+, children, adolescents)?
      * Province-level or just national level?
      * How many curves to display together for comparison?

Action Items:

* Julie to email Scott Van Milligan (PHAC) to notify that there will be changes to the planned visualizations and delay on when this will be posted
* Forest to implement changes to bar graph visualizations listed above
* Julie and Forest to meet with Isabelle M to provide update
* Julie to coordinate Focus Group with key users of this data from BNS and ONPP
* Julie to update Cunye regarding what data will be needed for the distribution curves