## Ennis, Julie (HC/SC)

**From:** Ennis, Julie (HC/SC)
**Sent:** 2019-10-30 12:30 PM
**To:** ScienceForum / ForumScientifique (HC/SC)
**Subject:** RE: Update on your abstract! Abstract #159

Dear Science Forum – Abstract Review Committee,

Thank you very much for the helpful review. Please find my revised abstract in the table below.

Warm regards,

Julie Ennis, PhD

Scientific Project Coordinator, Bureau of Food Surveillance and Science Integration, Health Products and Food Branch
Health Canada/Government of Canada
julie.ennis@canada.ca /Tel: 613-402-2830

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**From:** Labbe, Natalie (HC/SC) <natalie.labbe@canada.ca>
**Sent:** 2019-10-28 10:47 AM
**To:** Ennis, Julie (HC/SC) <julie.ennis@canada.ca>
**Subject:** Update on your abstract! Abstract #

*Update on your abstract! Abstract 159*

*Dear colleague(s),*

*Thank you for your abstract submission to the 2019 Health Canada Science Forum!*

*Please see the reviewers' comments below and address/revise your abstract accordingly,* ***by COB Friday November 1st, 2019 or at your earliest convenience****.*

***Due to the high volume of correspondence we receive, please:***

*1. Cut and paste your revised abstract and any additional comments (if any) into the ABSTRACT, VERSION 2 section of the table below.*

*2. Please send your response* ***as a 'reply' to hc.scienceforum-forumscientifique.sc@canada.ca*** *using this same email thread and subject line. Avoid sending to natalie.labbe@canada.ca.*

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| *3. Please insert your abstract number **in the existing subject line** e.g. Update on your abstract! Abstract 159* |
| *4. Please do not attach supplementary material* |

*Best regards,*

*Health Canada Science Forum – Abstracts Review Committee*

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| *ABSTRACT NUMBER* | *159* | |
| *ABSTRACT TITLE* | *The creation of a web tool for visualizing nutrition surveillance data* | |
| *SUBMITTED ON:* | *9/27/2019* | |
| *ABSTRACT, VERSION1* | *WORD COUNT: 367 words (excluding title and authors' list affiliations)* | |
| | *COMMENT FROM REVIEWER1:* | *This abstracts reads well and is slightly over length limits.*<br>*There are just a few abbreviations that require definition.*<br>*Also, it would be nice if authors could clarify the term "tool" in singular as opposed to "tools" in plural, as it introduces some confusion.*<br>*Very interesting topic!* |
| | *COMMENT FROM REVIEWER2:* | *This abstract is well written, although a bit over the allowed word count limit, and presents an interesting subject. However, it doesn't seem to live up to its title, which promises to reveal how a digital tool (an interface) was developed to graphically display nutrition data in a versatile, user cotrolled way. How this flexible interface was developed would be of interest to many others charged with the collection and retention of publically accessible data. The writer may wish to amend this abstract to focus more closely on the development process, for the benefit of others. Some attention might be directed to vocabulary choices: the word "visualisation" is perhaps not ideal. The writer, for clarity, may instead choose to describe this effect as a display or illustration.* |
| | *COMMENT FROM REVIEWER3:* | |
| | *ADDITIONAL NOTE(S):* | *Please, ensure that abstract is no longer than 350 words (excluding title, authors' list affiliations, and headers).* |
| *ABSTRACT, VERSION 2* | *AUTHOR COMMENTS (if any):* | *Thank you for this helpful review. Please note that the word count for the initial submission (excluding headers) was 349. The title has been revised (above) to more accurately reflect where we are at in the project (i.e., the tool has been developed and usefulness will be measured at a later date). We have decide to retain to work visualizations as this is the vocabulary used within the Data Strategy Roadmap for the Federal Public Service.* |
| | *WORD COUNT: words (excluding title and authors' list affiliations) 349* | *TEXT (including all 5 sections):* |

*BACKGROUND/ISSUE(S) AND OBJECTIVES:* A vast amount of nutrition surveillance data has been collected through various survey programs. These critical data support Health Canada activities related to developing evidence-based nutrition policies and regulations, risk assessment and program evaluation. Further, data are used by a broad external audience including researchers, policy makers, health professionals, educators, students, food industry and health media. The existing approach for sharing these data is mainly through large, cumbersome tables. The objective was to develop an innovative, user-friendly and interactive approach to visualize nutrition surveillance data in an accessible way.

*DESIGN/METHOD/DESCRIPTION:* The initial pilot project involved the development of data visualizations for the Compendium of Usual Intakes of Energy, Nutrients & Other Dietary Components from Food (2004 and 2015 Canadian Community Health Survey (CCHS)-Nutrition). Visualizations were developed by the Bureau of Food Surveillance and Science Integration (BFSSI; Food Directorate) using the JavaScript framework D3.js. A scan of data visualization methods used by Federal departments was conducted to identify options for where the nutrition data visualization could be hosted.

*RESULTS/OUTPUTS:* A web tool was developed to enable users to visualize usual intake data in customizable, graphical and tabular forms. Feedback from experts within the Biostatistics and the Food Surveillance Integration divisions of BFSSI was gathered and integrated throughout the development process. After consulting with the Centre for Surveillance and Applied Research at the Public Health Agency of Canada, the Health Infobase was considered as the ideal location for hosting. Through this collaboration the Nutrition Surveillance Data Tool was created to host the BFSSI-generated visualizations. The Hotjar software suite will collect quantitative and qualitative information on how users are interacting with the web tool.

*CONCLUSIONS/IMPACTS/OUTCOMES/IMPLICATIONS/NEXT STEPS:* The web visualizations created for usual intake data from CCHS-Nutrition enable users within and outside the government to access the data in an interactive and easily-interpretable manner. The creation of the Nutrition Surveillance Data Tool and the success of the initial pilot

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| | | project lays the foundation for existing and future nutrition surveillance data to be disseminated to the Canadian public.<br><br>*RELEVANCE:* The Nutrition Surveillance Data Tool directly responds to challenges outlined in the Data Strategy Roadmap for the Federal Public Service. |
| | *COMMENT FROM REVIEWERS:* | |
| | *ADDITIONAL NOTE(S):* | |
| *ABSTRACT, VERSION 3* | *AUTHOR COMMENTS (if any):* | |
| | *WORD COUNT: [word count] words (excluding title and authors' list affiliations)* | *TEXT (including all 5 sections):*<br>*BACKGROUND/ISSUE(S) AND OBJECTIVES*<br>*DESIGN/METHOD/DESCRIPTION*<br>*RESULTS/OUTPUTS*<br>*CONCLUSIONS/IMPACTS/OUTCOMES/IMPLICATIONS/NEXT STEPS*<br>*RELEVANCE* |
| | *COMMENT FROM REVIEWERS:* | |
| | *ADDITIONAL NOTE(S):* | |