



TO: Chair and Members of the Board of Health

FROM: Christopher Mackie, Medical Officer of Health / CEO

DATE: 2020 January 23

FOODNET CANADA ONTARIO SENTINEL SITE UPDATE AND MEMORANDUM OF AGREEMENT

Recommendations

It is recommended that the Board of Health:

- 1. Receive Report No. 002-20 re: “FoodNet Canada Ontario Sentinel Site Update and Memorandum of Agreement”; and*
- 2. Direct staff to renew the contract with FoodNet Canada for an additional one-year term.*

Key Points

- Since 2014, the Health Unit has successfully participated in the Public Health Agency of Canada’s FoodNet Canada program as the sentinel site for Ontario. This partnership has been mutually beneficial for the Health Unit, provincial public health stakeholders, and the Public Health Agency of Canada.
- FoodNet Canada is a multi-partner sentinel surveillance program for food- and water-borne illnesses. Surveillance results have generated information that changed federal food regulations.
- Renewal of the FoodNet Canada Memorandum of Agreement is sought for another one-year term (2020–21), with associated federal funding in an amount of up to \$138,842.

Background

MLHU has been the Ontario sentinel site for the Public Health Agency of Canada’s (PHAC) FoodNet Canada (FNC) program since 2014. Currently there are a total of four sentinel sites across Canada; these are located in British Columbia, Alberta, Ontario, and Quebec.

FNC is a multi-partner, enhanced surveillance program for food- and water-borne illnesses with the purpose of determining what foods and other sources are making Canadians ill. FNC is the PHAC surveillance program with the ability to examine trends in enteric illness and to assess risk over time to determine public health impact. FNC considers enteric illnesses from a unique perspective which integrates enhanced follow-up of human cases of selected enteric diseases, testing of retail food products of interest for infectious agents that can cause illness, and sampling of manure from local farms and surface water for infectious agents that can cause illnesses.

MLHU is responsible for carrying out two of the FNC program’s four components: enhanced follow-up of human cases reported among Middlesex-London residents, and purchase of retail food items to be tested for infectious pathogens. Participation in FNC has been deemed a great success, and one that continues to be mutually beneficial for MLHU, its provincial public health partners, and PHAC. Health Unit staff collaborate with an expanded network of local, provincial, and federal public health partners, enhancing knowledge and practice through access to evidence-based research and knowledge exchange activities. MLHU continues to be recognized as a provincial leader in infectious disease surveillance.

Access to FNC's enhanced surveillance data, including expanded laboratory analysis, has allowed the Health Unit the opportunity to better understand the nature and causes of food-borne illnesses in the Middlesex-London region, and was used in the investigation of a local *Salmonella* outbreak in 2018.

Food Safety Success

In recent years, Canadian outbreaks of *Salmonella* infection have been linked to the consumption of frozen breaded chicken products (nuggets and strips). FNC data, collected through enhanced case follow-up and ongoing retail product sampling, have provided compelling evidence regarding the possible burden of illness associated with these products. FNC presented this evidence, whereupon the Canadian Food Inspection Agency (CFIA) announced new industry standards whereby instance of *Salmonella* must be below detectable limits in all frozen breaded chicken products. FNC's surveillance activities will continue and will be used to assess the effectiveness of this new food safety policy.

For a more comprehensive account of the work performed by FNC, please consult the 2018 Annual Report ([Appendix A](#)) and summary info-graphic ([Appendix B](#)) attached herewith for reference.

Next Steps

In March 2020, MLHU's site coordinator, in partnership with a PHAC Epidemiologist, will present an overview of the FoodNet Canada program, with an analysis of the 2019 data, at The Ontario Public Health Convention (TOPHC).

PHAC is pleased with MLHU's ongoing success as the program's Ontario sentinel site and has offered to extend funding until March 31, 2021. PHAC funding to MLHU includes a 1.0 FTE Site Coordinator and a 0.2 FTE Retail Sampler to conduct weekly food sampling across the Middlesex-London region. Funding is also provided for office expenses, administration, and staff training, as outlined in the Memorandum of Agreement (see [Appendix C](#)). Total federal funding for the entire program is \$138,842.

Conclusion

In serving as the FNC Ontario sentinel site, MLHU will continue to collect high-quality data and make an important contribution to reducing the burden of food- and water-borne illnesses at the local, provincial, and federal levels.

This report was prepared by the Environmental Health and Infectious Disease Division.



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