Author’s response to reviews

Title: From Patient Care to Research: A validation study examining the factors contributing to data quality in a Primary Care Electronic Medical Record Database

Authors:

Nathan Coleman (umcolemn@myumanitoba.ca)
Gayle Halas (Gayle.Halas@med.umanitoba.ca)
William Peeler (William.Peeler@med.umanitoba.ca)
Natalie Casaclang (nats_oh@yahoo.com)
Tyler Williamson (tyler.williamson@ucalgary.ca)
Alan Katz (Alan_Katz@cpe.umanitoba.ca)

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BMC Family Practice
Floor 6, 236 Gray’s Inn Road
London WC1X 8HB
United Kingdom

Dear Editor:

On behalf of our research team, our sincere thanks for the reviewers’ time, their positive comments and very helpful feedback. We have addressed the suggestions, each of which is summarized here as well as being identifiable by red font within the main manuscript.

1. **Provide 95% confidence intervals for kappa coefficient (per disease and cumulative).**
   - A confidence interval for the cumulative kappa now appears on page 6 and Table 2 (page 16) has been revised to include confidence intervals per disease.

2. **A comment in the discussion about the potential generalizability of their findings among other EMR databases would be useful.**
   Its use is limited however to Canadian databases mostly but there are some generalizable points that may be useful for all EHR researchers.
   - A newly added section - 4.6 Generalizability on page 13 addresses generalizability regarding factors affecting data quality and which may be foundational for future algorithm performance in any EMR.

3. **Say more on the sample size chosen**
   - The sampling section on page 5 has been revised.

Thank you once again for you thoughtful consideration and we hope this revised manuscript meets with your approval.

Sincerely,

Gayle Halas
Submitting Author