Health Evidence[™]

Helping public health use best evidence in practice since 2005

Effectiveness of web-based dissemination and implementation knowledge translation interventions in cancer prevention

9th International Conference of Evidence-Based Health Care Teachers & Developers, 8th Conference of the International Society for Evidence-Based Health Care November 9, 2019

Jennifer Yost, RN, PhD, Emily Belita, RN, MN, Olivia Marquez, MSc, Noori Akhtar-Danesh, PhD, Anthony Levinson, MD, Cory Neudorf, MD, Maureen Dobbins, RN, PhD





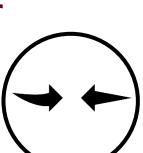


Office régional de la santé de Winnipeg

Background



Pervasiveness of cancer



Gap in knowledge translation (KT)



Cost of cancer



Existing research evidence



Emerging online KT strategies











Aims

With the implementation of three KT strategies (tailored email messages, Twitter™, webinars):

- Determine if there is a change in the awareness and/or use of high quality cancer prevention research evidence in public health.
- 2. Assess participant **satisfaction** with the online KT strategies received.











Methods

Design

Prospective cohort before and after

Sample

- Public health professionals in Canada
- Cancer prevention

Intervention

- 18 months
- tailored email messages, Twitter™, webinars



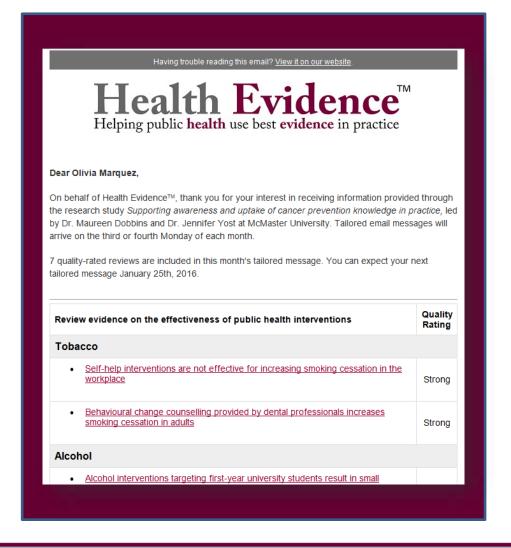






Tailored email messages

- Summarized findings and links to systematic reviews from Health Evidence™
- Monthly







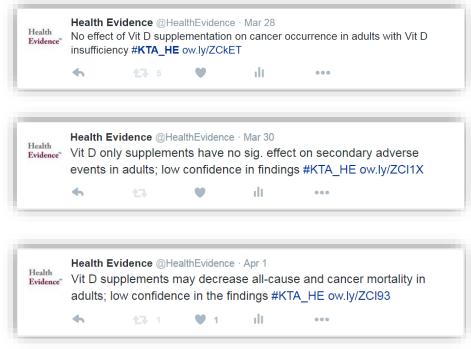






Twitter™





- Tweets sent from @HealthEvidence
- Actionable messages from high quality reviews on Health Evidence™
- Three times per week









Webinars



- Quarterly
- 60-90 minutes
- WebEx software
- Polling questions
- Recordings and slides posted on Health Evidence™













Methods: Data Collection

Question	Description	Example
Awareness of research evidence	 Nine knowledge statements 'yes' or 'no' responses regarding effectiveness Total score summed out of 9 	Sun-safety programmes in the working environment foster sun-protection habits among people working outdoors.
Use of research evidence	• 'yes' or 'no' responses	Did findings from a systematic review influence a decision in your health unit in the last 12-18 months?
Satisfaction	 Six satisfaction statements per KT strategy 7-point Likert scale 1 = strongly disagree to 7 = strongly agree 	I was satisfied with how often I received the tailored messages (i.e. monthly) as part of this study.











Results: Sample Demographics



34% Nurse; 19% Dietitian; 28% Other



54.5% from Ontario; 18% Eastern;17% Central-West and Northern



54% Bachelor's degree

32% Master's degree



10.4 years in PH

n = 134





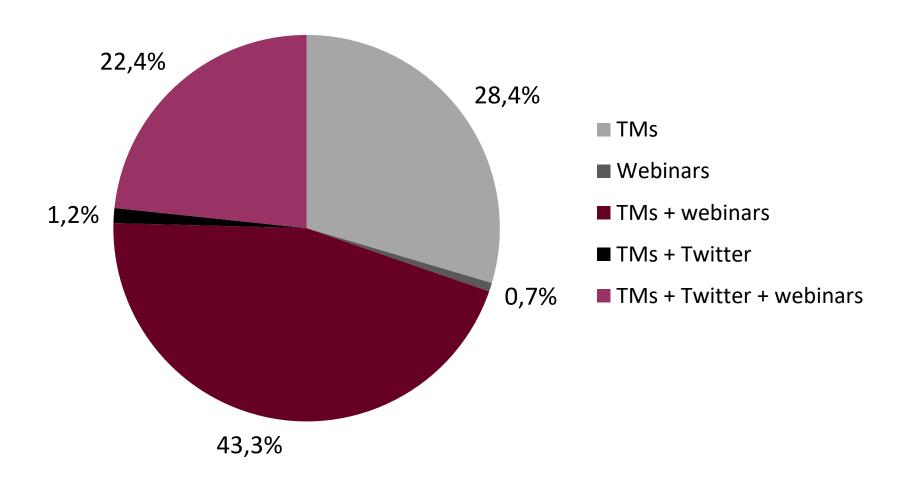








Results: Selected Interventions















Results: Awareness & Research Use

Awareness

 No statistically significant increases in awareness of research evidence from baseline to follow-up

Research Use

 No statistically significant increases from baseline to follow-up



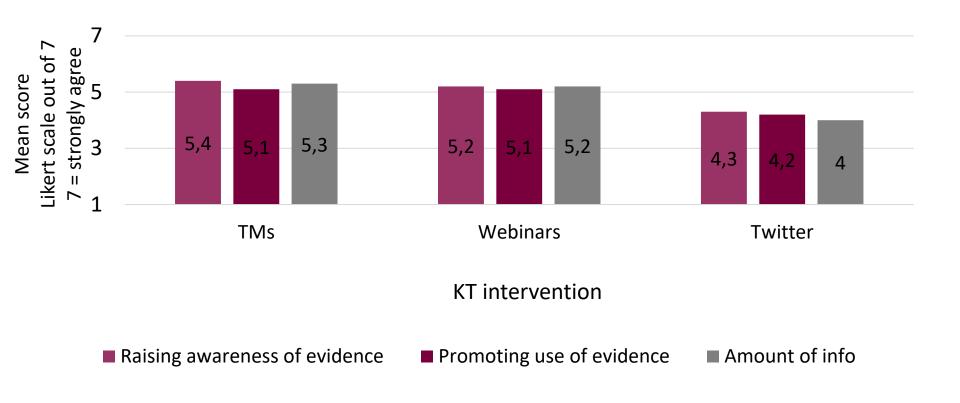








Results: Satisfaction













Conclusions and Implications

- No increases in use of research evidence and awareness
 - Consider:
 - Length of intervention
 - Dissemination of tailored, topic-specific, relevant research evidence
- Favored online KT strategies:
 - TMs and webinars
- High levels of satisfaction for:
 - raising awareness of research
- Use of social media (e.g., Twitter[™]) as KT strategy needs further consideration
- Consider preference of public health professionals for online KT interventions







