ASSESSING THE IMPACT OF AN INNOVATIVE E-CIGARETTE CESSATION PROGRAM (R.A.K.E.) ON DENTAL PRACTITIONER KNOWLEDGE

Presenter: Marissa Mexquitic1, MS, Principal Investigator: Rahma Mungia 1, BDS, MSc, DDPHRCS, Periodontics, Kathleen Case 1, MPH, Dr.PH, Co-Author: Maria Atique 2, DDS, Betsy Jones 3, MPA

Objective: Piloting the impact of the online R.A.K.E. e-cigarette cessation program on the knowledge, awareness and usefulness for practitioners

Methods
- Dentists (n=6) and dental hygienists (n=1)
- 28 questions pre-assessment and 18 questions post-assessment on REDCap platform
- Pre-assessment- Capture knowledge, attitudes, demographic characteristics and behaviors regarding e-cigarette use
- Intervention- web-based, self-paced training on the ReACH Assessment of Knowledge for E-cigarettes (R.A.K.E.) program
- Post-assessment- Also evaluated acceptance, satisfaction, and usability of R.A.K.E.

Discussion & Conclusion
- R.A.K.E.
  - Program provided evidence-based information to enhance practitioners’ knowledge and confidence in providing e-cigarette cessation to their patients.
  - Provides online training to support e-cigarette cessation programs
  - Dental practitioners who are given current, valuable, evidence-based information and support feel more confident in providing e-cigarette cessation counseling

Results
- The R.A.K.E. program is a useful and important part of patient care
- I will utilize the information presented in the R.A.K.E. program to counsel patients on the use and risks of e-cigarettes
- I feel more knowledgeable and equipped as a health care provider in working with patients who use e-cigarettes

Contact Information
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Acknowledgements

References
3. Texas Department of State Health Services, 2021.

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Presenter: Gabrielle Onyia¹, BS, Public Health, Principal Investigator: Rahma Mungia², BDS, MSc, DDPHC, Periodontics, Kathleen Case²,⁶, MPH, Dr.PH Co-Authors: Maria Atique³, DDS, Betsy Jones⁴, MPA, Marissa Mexquitic¹,⁵, MS

Background

- Low level of knowledge about oral effects of e-cigarette use amongst dental practitioners
- Dental practitioners are perfectly positioned to screen young patients for e-cigarette use and provide cessation counseling
- Mixed method style collaboration of community members and practitioners, led to the development of the e-cigarette cessation program: ReACH Assessment of Knowledge for E-cigarettes (R.A.K.E.)

**Objective:** Piloting the impact of the online R.A.K.E. e-cigarette cessation program on the knowledge, awareness and usefulness for practitioners
Methods

- Dentists (n=6) and dental hygienists (n=1)
- 28 questions pre-assessment and 18 questions post-assessment) on REDCap platform
- Pre-assessment- Capture knowledge, attitudes, demographic characteristics and behaviors regarding e-cigarette use
- Intervention: web-based, self-paced training on the R.A.K.E. program
- Post-assessment- Also evaluated acceptance, satisfaction, and usability of R.A.K.E.

Table 1. Practitioner Demographics

<table>
<thead>
<tr>
<th>Sex</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>2 (28.6%)</td>
</tr>
<tr>
<td>Female</td>
<td>5 (71.4%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Years of professional experience</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1-10 years</td>
<td>2 (28.6%)</td>
</tr>
<tr>
<td>11-20 years</td>
<td>3 (42.9%)</td>
</tr>
<tr>
<td>21-30 years</td>
<td>2 (28.6%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Practice type</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Single private practice</td>
<td>6 (85.7%)</td>
</tr>
<tr>
<td>Group private practice</td>
<td>1 (14.3%)</td>
</tr>
</tbody>
</table>
Pre-Assessment: How much knowledge do you feel you have about e-cigarettes?

- 71%: A moderate amount
- 29%: A little

Practitioner Comfort Level Discussing E-Cigarettes with Adolescent Patients
## Results

<table>
<thead>
<tr>
<th>Table 2. RAKE Evaluation</th>
<th>Pre-Assessment, n (%)</th>
<th>Post-Assessment, n (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>The RAKE program/PPT is useful and important part of patient care.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strongly agree</td>
<td>2 (28.6%)</td>
<td>7 (100%)</td>
</tr>
<tr>
<td>Somewhat agree</td>
<td>4 (57.1%)</td>
<td>-</td>
</tr>
<tr>
<td>Neither agree nor disagree</td>
<td>1 (14.3%)</td>
<td>-</td>
</tr>
<tr>
<td>I will utilize the information presented in the RAKE program/PPT to counsel patients on the use and risks of e-cigarettes.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strongly agree</td>
<td>6 (85.7%)</td>
<td>7 (100%)</td>
</tr>
<tr>
<td>Neither agree nor disagree</td>
<td>1 (14.3%)</td>
<td>-</td>
</tr>
<tr>
<td>I feel I currently have the knowledge and skills to conduct e-cigarette counseling with my patients.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strongly agree</td>
<td>-</td>
<td>6 (85.7%)</td>
</tr>
<tr>
<td>Somewhat agree</td>
<td>2 (28.6%)</td>
<td>1 (14.3%)</td>
</tr>
<tr>
<td>Neither agree nor disagree</td>
<td>5 (71.4%)</td>
<td>-</td>
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</tbody>
</table>
Discussion & Conclusion

• R.A.K.E.
  • Program provided evidence-based information to enhance practitioners' knowledge and confidence in providing e-cigarette cessation to their patients.
  • Provides online training to support e-cigarette cessation programs

• Dental practitioners who are given current, valuable, evidence-based information and support feel more confident in providing e-cigarette cessation counseling
Contact Information

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References


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