Textual health warning labels on snus (Swedish moist snuff): do they affect risk perception?

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Abstract

Background: To strengthen the risk message on snus warning labels, the European Union in 2016 removed “can” from the warning “This tobacco product (can) damages your health and is addictive.” We tested how these and other textual warnings affect risk perception.

Methods: Snus-using and non-using Norwegians aged 16–72 participated in two online survey experiments. Participants in Study 1 (N = 196) were randomized to read one of four warning labels. Outcome variables included ratings of likelihood of health damage from snus and perceived severity of such damages. Study 2 (N = 423) used similar outcome measures but added a baseline measure allowing for a pre-post comparison, as well as a control group receiving no warning label. Data were analysed using ANOVA and non-parametric tests.

Results: Study 1 indicated that removing “can” from the EU warning increased long-term risk perception, but adding “causes cancer” had no effect on risk perception. In Study 2, risk perception increased from pre to post, regardless of label manipulation. “Causes cancer” and “damages your health” were indicated as most alarming when participants compared and ranked all warnings.

Conclusions: Adding “causes cancer” or removing “can” from “damages your health” did not strengthen short-time (1 year) risk perception, but the latter increased long-term (10 years) risk perception in Study 1. In the pre-post design in Study 2, risk perception increased regardless of warning label.

Keywords: Smokeless tobacco, Swedish moist snuff, Snus, Warning labels, Risk perception, Tobacco control

Background

The use of snus (a moist oral smokeless tobacco product) has been increasing in Norway, especially among young people aged 16–24. The number of daily and occasional young users increased from 9% of males and 2% of females in 2003 to 33% and 23% in 2013 [1], an increase considered as “almost an epidemic” by the Norwegian Institute of Public Health [1]. This report concluded that snus is associated with several health risks, such as lesions of the oral cavity, adverse pregnancy outcomes, and some forms of cancer. Although snus is considered as less harmful compared to smoking [2], the risks associated with snus use should be communicated to users and potential new users. One way of informing the public is by the use of product warning labels.

Whereas the effect of warning labels for smoked tobacco has been thoroughly researched, comparable studies on smokeless tobacco (SLT) are scarce [3]. The literature for snus specifically is even more limited. Hence, the present summary includes SLT labels in general, and implications for snus warnings should be interpreted carefully, as health risks from snus differ from other SLT products. Mere textual warnings seem to be noticed and remembered, but their effect on intentions to use SLT is small [4]. In this study, around 40% of the adolescents exposed to textual warnings recalled seeing a warning label, and of these one in three remembered the content of the warning. Males remembered the warnings somewhat better than females, which is reasonable as males tried or purchased such products.
more frequently than women did. However, remembering warnings did not reduce future intentions of using SLT. MacKinnon and Fenaughty [5] found that heavy SLT users remembered written warnings better than non-users, possibly due to repeated exposure. In a 2016 study [6], about four in five users remembered exposure to textual warning labels, and recall was closely associated with self-reported thoughts about health risks and perceived harmfulness of SLT. Still, less than one in five said warning labels had stopped them from using SLT on some occasion.

In contrast, graphical warnings seem to have a greater effect in capturing attention and motivating smokers to quit [7]. One study [8] found that pictorial versions evoked more concerns about health risks compared to mere textual ones, and pictorial versions were judged as least attractive to SLT users whereas textual warnings were seen as more appealing for peers (i.e., the kind of package a peer would want to be seen using). In contrast, another study found no increase in risk perception in a sample of non-users who were shown graphic cancer warnings on snus products [9]. It is worth noting that the baseline risk perception in this sample was high, possibly preventing a further increase (ceiling effect).

Whereas graphical warning labels are mandatory for smoked tobacco in the European Union (EU), the requirement for snus products is limited to textual warnings. In 2003, EU removed the warning “causes cancer” [10] from snus products, and replaced it with the more general warning: “This tobacco product can damage your health and is addictive” [11]. It can be assumed that the previous “causes cancer” warning was more alarming than the more general claim “damages your health,” but to our knowledge there is no evidence supporting this expectation. In May 2016 the warning message was strengthened by removing the modal verb “can” [12], following an EU-directive adopted in 2014 [13].

Whereas the EU-expectation of a strengthened risk message by removing can gained support in focus group interviews among SLT users [14], the effect of removing can may be more complex. Specifically, Teigen and Filkuková [15] found that statements including can were associated with an outcome being possible, but uncertain, whereas will-statements were perceived as referring to more probable or certain outcomes. Moreover, can evoked expectations of high magnitude effects, whereas will denoted low to medium effects [15]. According to this line of reasoning, removing can might reduce severity perceptions but increase expected likelihood of health damage from snus.

In light of these findings, we examined risk perception from snus warning labels in Norway. Although the verbs can and will are frequently used on warning labels, we could not identify any studies comparing possible effects of this difference. As the EU changed these particular verbs on snus warnings in 2016, it is of interest to examine whether they differentially affect risk perception. Specifically, we examined the following hypotheses:

H1: In line with the EU-directive 2014/40/EU, removing can from damages your health will strengthen the risk message.
H2: Removing can from damages your health should decrease severity expectations, but increase likelihood perception, in line with Teigen and Filkuková [15].
H3: As the can/will labels target general health only, a warning explicitly stating that snus will severely damage health and cause cancer (i.e., the EU warning before 2003) should generate stronger risk expectation than either of the other labels.

Risk perception from textual warning labels on snus products was tested in two separate studies. In Study 1, participants read one of four warning labels and then responded to risk perception measures. Study 2 added a baseline for outcome measures, a control group seeing a snus product with no warning, and an expert panel responding to the same measures. As most of the warning labels also include an assertion about ease of addiction (see Table 1), we added a rating related to ease of addiction. Both studies were conducted before the modal verb can was removed from the snus warning message “This tobacco product (can) damage your health and is addictive” [13].

Study 1

Participants
The total sample was 196 participants (151 female, 6 did not indicate gender), age 16–64 years (M = 34.14, SD = 10.70). Participants were recruited through snowballing in social media (www.facebook.com), January 2016. All completed an online questionnaire (www.qualtrics.com) following electronic informed consent. Participants not understanding Norwegian language or being <16 years of age were excluded. There were no incentives for participation.

Materials and procedure
Participants were randomly assigned to read one of four warning labels on a brand-neutral snus product, thus making the text scenario realistic. Figure 1 presents an example,4 and Table 1 summarizes the textual warnings. The questionnaire then asked about expected severity of health damages following use of snus, likelihood for such health damages after one and ten years, and perceived ease of addiction. Demographic data and self-reported use of snus were also collected.
The experiment was exempt from evaluation by the Regional Committee for Medical Research Ethics, as advised by an Ethics committee member. We followed guidelines from the Data Protection Official for Research [16]. All information was recorded anonymously. A debrief explained which manipulations participants had been given, and which warning label that is applied today. Resources to official guidelines about snus and health risks were made available.

**Outcome measures**

Perceived severity of health damage associated with the text message was assessed with the question: ‘In your opinion, how severe are the health damages referred to on the warning label?’ (7-point scale, 1-‘very small’ to 7-‘very serious’). Perceived likelihood of health damage following 1 and 10 years of snus usage was measured as: ‘Of 100 persons using snus regularly for 1 (10) years – how many do you think are victim to such health damages?’ (7 ordinal categories, 0–5, 6–10, 11–15, 16–20, 21–25, 26–30, >30). Expectations of addiction were assessed by the following question: ‘In your opinion, how many weeks does it take to become addicted to snus?’ (7 ordinal categories, 0–5, 6–10, 11–15, 16–20, 21–25, 26–30, >30).

Demographic variables were gender, age, level of education, and snus habits (never, quit or discontinued or former, tried but no regular use, sometimes, regular use).

**Statistical analyses**

For H1 and H3, severity and likelihood of health damage were averaged to Risk1 (short term) and Risk10 (long term) risk perception [9]. The hypotheses were tested by planned comparisons [17] given the specific predictions. For H2, as the severity estimates did not satisfy the normality requirement, the predicted differences between the three outcome measures severity, likelihood at 1 year, and 10 years were assessed using a Mann-Whitney U test. First, we checked whether gender, age, snus use, and addiction beliefs affected our outcome measures through a repeated measures ANOVA with label as between-group factor, and Risk1 and 10 as within-group factor. IBM SPSS version 23 was used for all analyses. The statistical power of an ANOVA with four groups (n’s = 55, 47, 44, and 49) was 85% (given p = 0.05) to detect an effect size of 0.255 (based on group means 4, 4, 4, and 5 yielding a between-groups SD of .43, divided by their common within-group SD of 1.70).

**Results**

Descriptive statistics are presented in Table 2. There were no significant differences in demographics (age, gender, education, snus use) between experimental conditions. The ANOVA indicated no gender differences (M_{Females} = 4.40 vs. M_{Males} = 3.80), F(1, 178) = 2.703, p = .102, partial η² = .015, but snus-users rated risks significantly lower than non-users (M_{Users} = 3.7 vs. M_{Non-users} = 4.55), F(1, 178) = 6.868, p = .010, partial η² = .037. Risk increased along with age, in both short- (r(188) = .24, p = .001) and long-term (r(186) = .15, p = .042), and with estimates of ease of addiction, (r(188) = .16, p = .025).

**H1: EU can vs. will**

To test the EU expectation that removing can from damages your health increases risk perception, we compared the outcome measures Risk 1 and 10 for the two combined can labels (2 and 3 in Table 1) vs. will (4 in Table 1). For Risk 1, a contrast analysis of the mean scores between these labels did not indicate a significant difference (M_{Can} = 3.75 vs. M_{Will} = 4.00), t(192) = -1.058, p = .291. The corresponding contrast for Risk10 scores
demonstrated higher scores for will compared to can ($M_{\text{Can}} = 4.37$ vs. $M_{\text{Will}} = 4.94$), $t(192) = -2.135$, $p = .034$. These results thus partly supported the EU hypothesis, as removing can was associated with a higher risk perception estimates in the long-term (10 years) but not in the short-term (1 year).

**H2: Complex can vs. will**

This hypothesis states that can labels evoke expectations of higher severity and lower likelihood, whereas a reversed pattern is expected for will. To test this, we conducted a non-parametric Mann-Whitney U test for non-normally distributed data, with combined can vs. will labels as conditions (see above). Neither severity ($U = 2635$, $z = 1.678$, $p = .093$), likelihood 1 ($U = 2424$, $z = 0.752$, $p = .452$) or 10 years ($U = 2606$, $z = 1.899$, $p = .058$) were significantly different over the conditions. The mean and median ranks are shown in Table 3. Hence, these results did not support H2.

**H3: Cancer vs. general health**

To test the expectation that an explicit cancer warning is more alarming than the general health versions, we compared the outcome measures Risk 1 and 10 for the causes cancer label (1 in Table 1) vs. general health (all other labels). For Risk 1 and Risk 10, contrast analyses of the mean scores between these conditions did not indicate significant differences, Risk 1 ($M_{\text{Cancer}} = 4.03$ vs. $M_{\text{Health}} = 3.84$), $t(192) = -.770$, $p = .442$, and Risk 10 ($M_{\text{Cancer}} = 4.8$ vs. $M_{\text{Health}} = 4.56$), $t(190) = -1.049$, $p = .295$, respectively. Hence, these results do not support H3.

In sum, the present data did not support the idea that can vs. will labels affect likelihood or severity perceptions differentially [15], nor that adding causes cancer has a stronger effect than general health warnings. However, the results render some support to the EU idea that removing can increases risk perception, but only for long-term estimates.

**Study 2**

Study 2 added a pre-measure of the outcome variables, increasing the possibility of identifying changes in risk perception levels caused by warning labels. In Study 2 we focused on H1 (removing can from damages your health strengthens the risk message), and H3 (snus will severely damage health and cause cancer generates stronger risk expectation than either of the other labels). Also, we added a control group that read the label “Snus” without any warning to examine the effect of repeated risk assessments per se. Eight experts from the tobacco group in the Norwegian Directorate of Health also answered the pre-questionnaire without the warning manipulation, serving as an expert panel for comparison with laymen’s risk perception.

In contrast to Study 1, Study 2 asked participants to rate a number of specific short and long time health hazards following the general risk measures. These estimates can function both as testing knowledge of hazards from snus use, but also as a primer actively reminding participants of possible health hazards. A likely effect of this procedure is that participants demonstrate an overall increased risk perception at post-test. Importantly, if warning labels serve their purpose, their effect should be enhanced by this procedure.

Recruitment procedure, data collection, exclusion criteria, ethical considerations and debriefing were identical to Study 1. No compensation for participation was
offered. Participants were recruited through the official Facebook profile of the Department of Psychology, UiT The Arctic University of Norway (n = 78), slutta.no, a site for people intending to quit using smoke or snus (n = 85), snowballing on the Facebook profile (n = 220), and through an internet learning platform for two local high schools (n = 123) in February 2016. Eight tobacco experts at the Norwegian Directorate for Health also answered the pre-questionnaire.

Data collection started with a baseline measure of risk perception from snus, both for general health and cancer risk. Next, participants were randomized to read one of five warning labels (four being the same as in Study 1, plus a control group). Following presentation of the labels, participants responded to the same questions as in the baseline.

Participants
A total of 515 respondents started the survey, 423 completed it. Table 4 presents descriptive statistics for the participants who completed the survey. One respondent reported max values on all measures and was excluded from the analyses.

Outcome measures
General health was operationalized as ‘In your opinion, how harmful is snus to general health?’ and cancer as ‘In your opinion, to what extent does snus cause cancer?’ Both were answered on a 9-point scale ranging from ‘not at all’ to ‘extremely’ and were averaged into a common variable named Risk perception corresponding to Popova and Ling [9]. Specific health hazards 1 year (short-term) and 30 years (long-term) listed twelve health hazards from snus use (oral cavity, gaining weight, obesity, diabetes, pregnancy complications, increased heart rate and blood pressure, increased risk of dying from stroke and cardiac arrest, and for developing oral, oesophagus or pancreas cancer). All hazards were extracted from a national report on actual hazards from snus [1]. Estimates were given on a rating scale to the statement “I believe short-term/long-term regular snus use may lead to (12 hazards)” (1: not at all; 5: extremely). Finally, participants were presented with all four warning labels and asked to rate which one was the most alarming. Demographic questions were identical to Study 1. Snus use were coded into 1) non-users: never tried, quit, tried but no regular use, and 2) users: sometimes, regular but trying to quit, and regular users.

Design and statistical analyses
Initial analyses were performed to assess the effect on risk perception of gender, age, snus use and addiction beliefs. Next, ANOVAs were used to test planned comparisons [17]. When testing H1 and H3, the between-subjects factor was the five different warning labels with time as the within-subject (pre-post) factor. The statistical power of a repeated ANOVA with five groups (n’s = 73, 100, 82, 64 and 104) was 17% (given p = .05 and pre-post r = .71) to detect an effect size of 0.068 (given pre-test means 5.68, 5.90, 5.96, 5.

Table 4 Study 2: Demographics for participants in each experimental condition

| Demographic    | Control (N = 104) | Cancer (N = 64) | Can-can (N = 73) | Can-is (N = 100) | Will-is (N = 82) |
|----------------|-------------------|-----------------|-----------------|-----------------|-----------------|
| Age Mean (SD)  | 33.65 (12.41)     | 30.42 (12.70)   | 31.28 (12.98)   | 34.15 (14.13)   | 34.05 (12.42)   |
| Gender         |                   |                 |                 |                 |                 |
| Female         | 48                | 35              | 34              | 47              | 35              |
| Male           | 18                | 14              | 20              | 27              | 24              |
| Missing        | 66                | 15              | 19              | 26              | 23              |
| Education      |                   |                 |                 |                 |                 |
| High school or less | 14        | 19              | 16              | 23              | 19              |
| Some college   | 8                 | 10              | 7               | 9               | 9               |
| Bachelor’s degree or higher | 41   | 16              | 25              | 37              | 31              |
| Other          | 3                 | 3               | 4               | 5               | 1               |
| Missing        | 38                | 16              | 21              | 26              | 22              |
| Snus habits    |                   |                 |                 |                 |                 |
| Never          | 25                | 18              | 25              | 38              | 26              |
| Tried or quit  | 16                | 12              | 11              | 9               | 15              |
| Sometimes or regularly | 25 | 18              | 18              | 27              | 18              |
| Missing        | 38                | 16              | 19              | 26              | 23              |

Note. SD Standard Deviation
89, 5.89 and post-test means 5.72, 6.22, 5.97, 6.03, 6.03 yielding a between group SD = 0.13 divided by their common within-group SD of 1.84).

**Results**

The overall ANOVA indicated that females regarded snus use as more risky than males (M\textsubscript{Females} = 6.5 vs. M\textsubscript{Males} = 4.9), (1, 277) = 33.426, 𝑝 < 0.000, partial 𝜂\textsuperscript{2} = 0.108, and snus-users regarded snus as less risky compared to non-users (M\textsubscript{Users} = 4.5 vs. M\textsubscript{Non-users} = 6.8), (1, 277) = 84.030, 𝑝 < 0.000, partial 𝜂\textsuperscript{2} = 0.293. Also, risk perception tended to increase with increasing age, r(299) = 0.17, 𝑝 = 0.04 and with estimates of ease of addiction, r(422) = 0.29, 𝑝 < 0.000. As none of these factors interacted significantly with the outcome measures or with label manipulations, they were not included in the analyses reported below.

**H1: EU can vs. will**

The ANOVA demonstrated a significant main effect of time on Risk perception, increasing from pre to post, (M\textsubscript{Pre} = 5.87 vs. M\textsubscript{Post} = 7.13), (1, 418) = 391.46, 𝑝 < 0.000, partial 𝜂\textsuperscript{2} = 0.484. Levels of risk perception are presented in Table 5. H1, that the will label affects risk perception more than the combined can labels, was not supported by a contrast analysis of post measures, (M\textsubscript{Can} = 6.00 vs. M\textsubscript{Will} = 6.03), (1, 418) = 0.751, 𝑝 = 0.387.

**H3: Cancer vs. general health**

Similarly, H3 (causes cancer generates higher risk estimates compared to the other labels combined), was not supported, (M\textsubscript{Cancer} = 6.22 vs. M\textsubscript{Others} = 6.01), (1, 418) = 1.101, 𝑝 = 0.315. An overall comparison between all warning labels vs. no warning (control group) indicated no difference, (M\textsubscript{Others} = 6.06 vs. M\textsubscript{Control} = 5.72), (1, 418) = 0.004, 𝑝 = 0.947.

When presented all warning labels simultaneously, a majority chose the causes cancer warning as most alarming (73%), followed by the will warning (17%). Other warnings were < 2%.

**Table 5** Study 2: Mean (SD) for general risk perception before and after seeing warning labels. Measured on 9-point scales ascending from (1) ‘Not at all’ to (9) ‘Extremely’

|                     | Pre    | Post   |
|---------------------|--------|--------|
| Expert panel        | 3.38 (1.03) | –      |
| Control             | 5.68 (1.93) | 5.72 (2.05) |
| Causes cancer       | 5.90 (2.21) | 6.22 (2.24) |
| Can-can             | 5.96 (2.11) | 5.97 (2.21) |
| Can-is              | 5.89 (1.91) | 6.03 (1.99) |
| Will-is             | 5.89 (1.96) | 6.03 (2.15) |

**Note. SD Standard Deviation**

**Laymen vs. experts**

At baseline, experts perceived the general risk as lower than participants, (M\textsubscript{Experts} = 3.38 vs. M\textsubscript{Laymen} = 5.86), F(1, 428) = 12.178, 𝑝 < 0.001, partial 𝜂\textsuperscript{2} = 0.028.

**Specific health hazards**

The baseline sum score of specific health hazards were significantly lower for short-time vs. long-time ratings of snus use, (M\textsubscript{Short} = 33.12 vs. M\textsubscript{Long} = 41.10), (1, 419) = 476.80, 𝑝 < 0.000. The correlation between Risk perception and the summed hazards ranged between r = 0.57–0.62, indicating that 62–68% of the variance in risk estimates are determined by other factors than perceived health hazards from snus. The tendency was more pronounced among snus-users than non-users, r\textsubscript{Users} = 0.76–0.81 vs. r\textsubscript{Non-users} = 0.58–0.63.

**Discussion**

Two experiments examined risk perception from textual snus warning labels among Norwegian respondents. In Study 1, the new EU-warning (damages your health) tended to induce higher long-term (10 years) risk perceptions compared to the former warning moderated by can, but these labels did not differ in short-time (1 year) risk estimates. A hypothesis that can warnings are associated with more extreme risk perception whereas will warnings trigger less serious and more common damages was not supported, neither was the assumption that causes cancer generates higher risk perception compared to general health warnings. In Study 2, different text labels did not demonstrate any effect on outcome measures, as risk perception increased similarly over all conditions. In the simultaneous rating of all labels, will was perceived as more alarming than can. In sum, apart from the fact that these results render some support to the EU’s expectation that removing can enhances long-term risk estimates, the effects of textual warnings seem to be negligible.

If the strengthened EU label affects long-term risk perception only, its effect on prevention of snus use among young people may be questioned. The fact that the studies reported here do not demonstrate effects of warning labels in short-time risk estimates, indicates that textual warnings do not affect the main target population well. Focusing on short-time negative consequences rather than serious, long-time consequences might be expected to work more effectively in prevention. From this perspective it is of interest that reading a list of specific and concrete health hazards associated with snus use (Study 2) increased risk estimates significantly. This result indicates that a focus on specific hazards may activate increased awareness about those hazards, which in turn increases risk perception.
The fact that increased risk perception occurred without any differential effects of textual labels in Study 2 may indicate that the repeated hazard estimation questions masked the textual warning manipulations. However, we believe that repeated hazard questions effectively worked as a priming procedure, activating possible negative consequences of snus use and thereby enhancing potential effects of textual warnings. As differential effects of textual warning messages did not appear, we interpret this as even stronger evidence that textual warnings do not affect risk perception. This conclusion agrees with the findings by Popova and Ling [9], who found that snus warning labels, even graphic warnings, did not increase risk perception in non-smokers. As they found positive effects of labels for moist snuff and e-cigarettes, it may be asked if snus warning messages at all affect risk perception.

The tendency for users to rate harmfulness of risks as lower than non-users agrees with the findings of Øverland et al. [18]. They also reported that 41% of Norwegian adolescents rated the harmfulness of snus as equal to or higher compared to cigarettes. This agrees with the fact that our expert panel rated most health risks as lower than the laymen, especially compared to non-users. One explanation for this difference may be that experts are viewing risk in a public health perspective, whereas laymen operate with a personal reference perspective.

**Limitations**

The results of Study 2 must be interpreted with some caution, as the statistical power was very low. Given the very small effect size, we cannot expect that increasing the sample size would make much difference as the effect of this intervention would still be minor.

Participants were recruited from social media through e.g. interest groups such as quit intenders, and from high school students. This implies that our sample may be different from the general population, and results should be interpreted with this limitation in mind. Also, the same argument goes for the limited 8-member expert panel, as they may not be representative of all tobacco experts.

A study including risks from other, comparison topics (e.g. smoking, driving, eating chocolate) would have served to place risk ratings of snus usage in perspective. Still, participants in our studies apparently agreed on the risks from snus when judged in isolation. Further, the study could have measured behavioural outcome as well, such as intentions to use or quit snus. Our study only measured risk perception directly after having read a warning label, and did not examine how the different labels might have affected risk perception over time.

**Conclusions**

Study 1 found that removing the modal verb *can* from *damages your health* in snus warning labels may affect long-term risk perception, but no heightened risk perception from *causes cancer*. Study 2 did not reveal any differences between labels, but risk perception increased in all conditions, probably due to answering the specific hazard ratings.

**Endnotes**

1. Photo of snus product: Rebecca Ravneberg, Norwegian Directorate for Health. The textual warning message on the product is altered across experimental conditions.
2. The sample size for post general risk outcome measures were 423. However, the sample size decreased to 252 for the post specific hazards measures. As descriptive measures were collected at the end of the questionnaire, the sample characteristics only describes those who finished the survey.
3. The randomization worked well as the demographics and pre-test outcome variables $F(1, 515) = .730, p = .572$, partial $\eta^2 = .004$ showed no significant differences between the groups. Dropouts did not differ in general risk perception pre-manipulation, compared to those who completed the survey, as shown in a one-way ANOVA with completion/non-completion as predictor $F(1, 515) = 1.901, p = .169$, partial $\eta^2 = .004$.

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**Availability of data and materials**

The two datasets are published alongside the article.

**Author’s contributions**

All authors were involved in designing the studies, CVN and FS carried out the main analyses, in compliance with OF and KHT. All authors contributed to the writing, revision and approval of the final manuscript.

**Ethics approval and consent to participate**

The experiments were exempt from the Regional Committee for Medical Research Ethics, as advised by a Committee member. We followed ethical guidelines from the Data Protection Official for Research [17]. Participants gave their consent by clicking the survey link after reading about the purpose of the project, anonymized data collection, and voluntary participation.

**Competing interests**

The authors declare that they have no competing interests.

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