

BMJ Open Supporting population mental health and wellness during the COVID-19 pandemic in Canada: protocol for a sequential mixed-method study

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ABSTRACT

Introduction The global COVID-19 pandemic has reported to have a negative impact on the mental health and well-being of individuals around the world. Mental health system infrastructure, primarily developed to support individuals through in-person care, struggled to meet rising demand for services even prior to COVID-19. With public health guidelines requiring the use of physical distancing during the pandemic, digital mental health supports may be one way to address the needs of the population. Despite this, barriers exist in promoting and supporting access to existing and emerging digital resources. Text messaging may address some of these barriers, extending the potential reach of these digital interventions across divides that may separate some vulnerable or disadvantaged groups from essential mental health supports. Building on an existing knowledge synthesis project identifying key digital resources for improved mental health, this research will establish low-tech connections to assess need and better match access to services for those who need it most. The aim of this study is to codesign a customised two-way texting service to explore need and better align access to mental health supports for Canadians located in Saskatchewan during the COVID-19 pandemic.

Methods and analysis This study will be completed in Saskatchewan, Canada. For this project, the RE-AIM (reach, effectiveness, adoption, implementation, maintenance) framework will be used to support three phases of a sequential mixed-method study. An advisory committee of Saskatchewan residents will guide this work with the study team. A 10-week service will be launched to connect individuals with appropriately suited digital mental health interventions through the use of text messaging. In phase 1, implementation and prototyping will be conducted with collaborative codesign for key elements related to features of an enrolment survey and initial messaging content. Phase 2 will focus on advancing the effectiveness of the service using quantitative user data. In phase 3, an embedding approach will be used to integrate both qualitative and quantitative data collected to understand the overall acceptability, satisfaction and perceived benefit of the text messaging service. Thematic analysis and descriptive statistics will be used as analytic methods.

Strengths and limitations of this study

- A strength of the study is the engagement of an advisory committee consisting of residents of Saskatchewan in the design and decisions related to the study use.
- Another strength of this research is the use of three 10-week iterative testing cycles to refine the service that participants take part in using the RE-AIM framework.
- The quantitative data collected in this study will supplement the qualitative findings, increasing the breadth and depth of the results.
- A limitation of this study is the limited availability of digital mental health interventions to individuals with limited access to technology, poor connectivity or a non-smartphone.

Ethics and dissemination This study has received approval from the Research Ethics Board at the University of Saskatchewan. A knowledge dissemination plan has been developed that includes traditional academic approaches such as conference presentations, and academic publications, as well as mainstream approaches such as social media, radio and dissemination through the advisory committee.

INTRODUCTION

As a result of the COVID-19 pandemic, preventative public health measures across Canada have been imposed to curb the rapid spread and detrimental physical health impacts of the COVID-19 virus.^{1,2} Preventative measures, inclusive of physical and social distancing, have been shown to support infection control; however, the effects of physical distancing and social isolation, coupled with the uncertainty and fear created by the swift onset of COVID-19, has been described by some as an ‘echo pandemic’ of declining distress and mental health among the Canadian population.^{3,4} A Canadian survey conducted in May 2020 noted 38% of individuals attributed a



decline in their mental health to COVID-19 and 46% felt anxious and worried.⁵ In September 2020, researchers repeated this national survey and found 40% of Canadians reported their mental health had declined due to COVID-19 and 48% of individuals expressed feelings of anxiety or worry.^{5,6} The negative impact of the COVID-19 pandemic on the distress and mental health of Canadians warrants concern as self-reported population mental health continues to decline.^{4,7-9} Given the potential strain that the COVID-19 pandemic could create on an already overburdened and overwhelmed mental healthcare system, a long-lasting and sustainable response is needed to support mental healthcare delivery and proactively assist individuals in maintaining mental wellness.^{1,4} One solution that may support the provision and scaling of mental healthcare is digital health. Current digital health innovations include, but are not limited to, mobile apps, virtual care, chatbots and text messaging platforms and can be used to support improved scalability, flexibility and accessibility of mental healthcare service delivery.^{2,10} In particular, text messaging services have the potential to support the mental health of the general population in addition to underserved and marginalised populations.^{2,10}

Mobile phone use continues to expand in Canada. The Canadian Wireless Telecommunications Association (CWTA) reported 34.1 million wireless subscriptions in the country noting more mobile phones (91.0%) than landlines (37.8%).¹¹ Researchers have capitalised on the ubiquitous spread of mobile devices globally and demonstrated the value of texting programmes in influencing positive health behaviours,¹²⁻¹⁴ especially when messaging can be tailored to individuals or population groups.^{15,16} There are multiple advantages to pursuing a texting-based approach to citizen engagement. First is the immediacy of the connection. Research has demonstrated that '90% of all mobile text messages are read within three min of being received'.¹⁷ Second, as previously noted, the use of SMS texting is a means to address potential information or digital divide among priority populations facing socioeconomic or other challenges.^{12,13} This includes reliable internet connectivity, which is an ongoing issue in rural and remote communities across Canada. There is an existing study supporting two-way messaging as an engaging and immediate way to employ community-based surveying¹⁸ and others that note this as a means to deliver essential public information.^{17,19} In the text-based initiative SmartMom Canada, the critical importance of patient partnership in the design and delivery of texting programmes, especially those planned at a population level, was noted.¹⁶ This approach may also be useful to support those individuals who may 'ration' digital connectivity due to limited data or internet access but often have some point(s) of connection.²⁰

The WHO has stated COVID-19 'is the first pandemic in human history where technology and social media are being used on a massive scale to keep people safe, productive and connected'.²¹ With 4 and 5 billion global users

of internet and mobile phones, respectively, the reach of these technologies has never been more ubiquitous.²² The WHO has also noted the impact of COVID-19 on global mental health identifying the tremendous stressors associated with this world event.²³ With over 34 million active wireless subscribers in Canada,¹¹ SMS text messaging is an established conduit through which to explore need and facilitate access to mental health services. Incorporating two-way communication via text in health programming has revealed considerable value for patients and/or target populations in a systematic review¹⁷ and research.^{12,24-26} Establishing an interactive COVID-19 texting service will extend the reach of existing digital mental health resources as researchers explore solutions with those who may have limited connectivity and work to address digital barriers to identified supports.

METHODS AND ANALYSIS

Study purpose and objectives

The aim of this study is to codesign a customised two-way texting service to explore need and better align access to mental health supports for the general Canadian population living in Saskatchewan during the COVID-19 pandemic. Working in collaboration with Saskatchewan residents and building on a currently funded study, timely, relevant and population-specific mental health information and resources can be shared. In addition, the two-way texting function will allow immediate opportunities for community engagement with polling questions employed to identify unmet needs and challenges in accessing digital mental health resources. This low-tech approach can increase connections to populations that may not be aware of existing digital supports. Issues of digital exclusion often include limited data plans and reliable internet service, as well as underlying challenges related to digital health literacy.^{20,27} In order to identify solutions to these barriers, Brewer *et al*.²⁸ called on digital health researchers to 'embrace implementation science and community engagement in our collective quest to eliminate health disparities'.²⁸ In answering that call, this project will employ the RE-AIM (reach, effectiveness, adoption, implementation, maintenance) framework,²⁹ a well-established implementation tool for planning and evaluating public health initiatives, to monitor the reach, effectiveness, adoption, implementation and maintenance of the planned texting service through three phases of a mixed methods design.²⁹

The following research objectives will guide these efforts:

1. Codesign a texting service to assess and support improved reach of mental health services in collaboration with a resident advisory committee in a Canadian jurisdiction.
2. Optimise the effectiveness of the texting service through collaborative iterative testing cycles.
3. Evaluate the adoption of the texting service with a focus on acceptability, satisfaction and benefit.

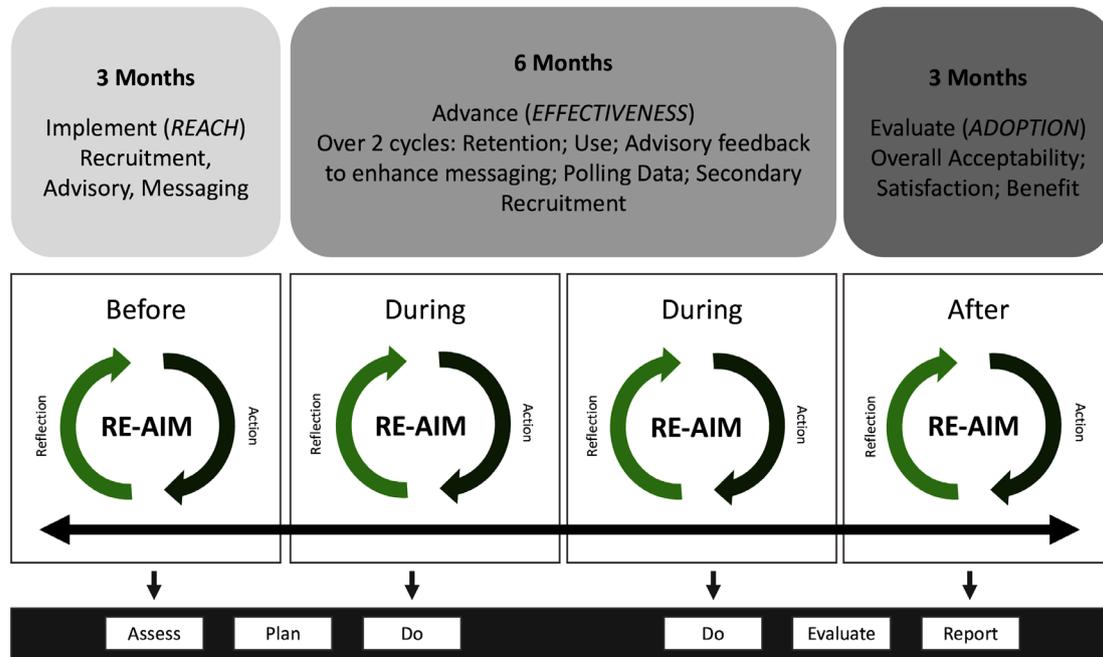


Figure 1 Adapted from Harden *et al*³¹ (2018) RE-AIM method map. RE-AIM, reach, effectiveness, adoption, implementation, maintenance.

Owing to the unpredictability of the pandemic trajectory, this project will focus on the first three RE-AIM framework elements with implementation and maintenance analysis used to advance future scalability.

Study design

For this project, the RE-AIM framework will be used to support three phases of a mixed-methods study. This framework has previously been used to guide and evaluate a SMS project.³⁰ The project plan (figure 1) is built on a modified figure from Harden *et al* detailing an iterative and temporal application of the RE-AIM approach.³¹ In this case, instead of employing a single ‘during’ cycle, this adapted figure denotes the two rounds of collaborative testing for this project. The three study objectives each anchor a project phase coupled with a primary RE-AIM focus. The project commenced in March 2021 and is expected to continue until December 2021. In phase 1, implementation and prototyping will be launched with collaborative codesign on key elements related to features of a web-based enrolment survey and initial messaging content. Further details of the web-based enrolment survey can be found in online supplemental appendix A. Planned message frequency will be approximately two times per week, with an additional ‘polling’ option that will see the weekly delivery of short research surveys. Qualitative data from focus groups and early-adopter interviews will be a driver in this phase as the team seeks to maximise the reach of the service. Quantitative demographic enrolment and usage data collection will also begin. Phase 2 will focus on advancing the effectiveness of the texting service relying more heavily on quantitative user data provided from the web-based portal. Response, retention and survey completion rates will address reach,

while enrolment and survey data are used to tailor messaging to advance the effectiveness of the intervention in increasing service awareness and access. The ‘polling’ questions will be used as an ongoing assessment of needs and access challenges. While quantitative data is the primary focus of this phase, qualitative interviewing will continue to provide essential context to usage statistics along with monthly virtual meetings with our Saskatchewan resident advisor committee. During the evaluation process in phase 3, both qualitative and quantitative data will be used to address overall acceptability, satisfaction and perceived benefit of the text messaging service. Final quantitative participant and usage data analysis will cue further explanatory qualitative inquiry. This will include stakeholder interviews with our collaborators and other healthcare practitioners to ascertain intervention impact, user interviews and a final advisory debriefing.

Study population, recruitment and sampling

While the goal of this work is to achieve a national SMS service, this study will focus on developing and examining feasibility in one Canadian province, Saskatchewan. The province is an ideal incubator for this work with a manageable population size that includes diverse representation of the user bases (eg, urban, rural, remote, populations with varied SES and digital connectivity). Given this, the target population includes the general population of Saskatchewan who meet the following inclusion criteria: 16 years of age or older, with ready access to a personal or family-shared mobile phone and an ability to understand English language recruitment and messaging. A representative sample will be sought for using targeted recruitment through community newsletters, social media, radio public service announcements and snowball

sampling to engage low-tech users. Participant enrolment demographics will be monitored by the study team. Recruitment targets and promotion will then be revised based on learning and suggestions of the advisory group. This approach is meant to provide opportunity and flexibility for a wide range of analysis and exploration, as needed. For example, purposive sampling supports the recruitment of participants with in-depth knowledge of the phenomenon under study³² and will be essential to fulfil the evaluative qualitative needs of this study. Braun and Clarke³³ recommend 6–10 participant interviews for the successful completion of a focused thematic analysis and this will guide the research team members in forming participant groupings to achieve qualitative priorities.

Text-based service

The two-way texting service, entitled ‘SaskWell’, will provide users with mental health and wellness content for the duration of ten weeks. Users will be able enrol in SaskWell through four different means, scanning a QR code that will populate the enrolment survey link, texting ‘JOIN’ to a national short code (759355), directly clicking on enrolment survey link or calling a toll-free number (1-855-237-5934), which was established for the purpose of this project. Interested users must fill-out an enrolment survey in order to participate in the SaskWell service. The survey consists of three sections. The first section asks participants a series of demographic questions (eg, race/ethnicity, age, gender and place of residence). The second section pertains to the user’s technology and internet access, whereby users are asked whether they have access to a mobile device and whether they have stable and reliable internet access. Finally, the third section aims to understand the user’s mental health status. A validated 14-item questionnaire, developed by Corey Keyes *et al.*,³⁴ has been incorporated into the enrolment survey to understand whether a user has flourishing, moderate or languishing mental health. The detailed enrollment survey can be found in online supplemental Appendix A.

Participants will receive a digital mental health tool based on the results of their technology assessment and, if indicated during the enrollment survey, they may receive a digital mental health tool that is specific to their age or race. In the second week of the service, a text message will

follow-up with the participant to see if: (1) the participant used their digital mental health tool; (2) if the participant liked the tool they received; and (3) if they would like to receive a new tool. If participants indicate they would like another digital mental health tool, they will be provided with a new tool. In addition to the digital mental health tool, participants will receive weekly wellness resources (eg, psychoeducation resources which include how to practice mindfulness, self-care, guided imagery and meditation, etc) and polling questions (eg, how did you hear about SaskWell?; why did you choose to register for the service?). At the midpoint (week 5) and endpoint (week 10), participants are asked to redo the mental health self-check survey to measure the impact of SaskWell. Participation in the service is entirely voluntary and users can opt out of service at any point. As previously noted, the service will provide content to participants for 10 weeks, and three iterations are planned. During each iteration the research team will ask participants during the weekly polling question (week 8) if they are interested in participating in a short interview. A semistructured interview guide (online supplemental Appendix B) has been prepared to support the facilitation of these interviews. An enrolment flow diagram is shown in figure 2.

Digital mental health interventions included in the service

The digital mental health tools included in the SaskWell service were curated from a knowledge synthesis study completed by researchers at the Centre for Addiction and Mental Health in May–November 2020.⁹ In this study, a rapid review of the academic and grey literature was conducted to identify digital health interventions that could be used to support population mental health in Canada during and beyond the COVID-19 pandemic. From the searches, a total of 114 web-based resources (eg, wellness hubs, telemedicine, self-guided courses, discussion forums, phone/texting services, virtual peer support, etc) and 31 mobile apps were identified and compiled into a database using tags to categorise and sort the various interventions. The full list of digital mental health interventions can be found in ref³⁵. For the purpose of the SaskWell service, interventions that are free of cost and accessible to residents of Saskatchewan will be included in the first iteration of the service.

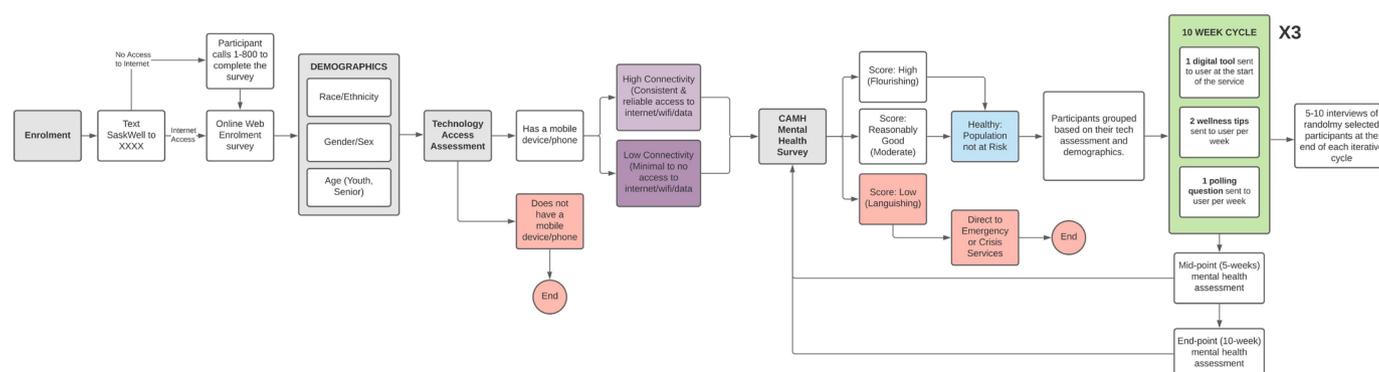


Figure 2 Enrolment flow diagram.

Further details about the digital mental health interventions included in the SaskWell service can be found by viewing the Airtables (web-based resources: <https://airtable.com/shr4Zzh7RDBT4oTsd8> and mobile apps: <https://airtable.com/shrPtm50fujEP93vqj>).

Data collection and analysis

Data collection will be facilitated through the enrolment survey responses and user engagement and usage metrics. These data will be collected by our collaborator, MEMO-TEXT, and shared with the research team for further data cleaning and analysis. Moreover, following each iterative cycle, one-on-one interviews will be conducted with users of the SaskWell service. As mentioned, both quantitative and qualitative data will be collected to support and/or evaluate each study objective in this iterative process. A thematic analysis will be employed to summarise all qualitative study data guided by Braun and Clarke's detailed six-step process to support rigour and trustworthiness in this analysis. NVivo V.11 software will be used to conduct the thematic analysis. The research team will engage in a visual representation of the themes that are identified and seek to develop personas in the analysis and translation of study findings. A persona is an archetypal representation of user data created through an amalgamation of themes and requirements common to a group or population.³⁶ Quantitative data will be drawn from surveying including robust demographic enrollment data. In addition to this, we will be collecting user engagement and usage metric data. Such data will include analysing the frequency of user responses to text messages, the user click rates and the duration of time in which users are engaged in the service (ie, number of users who complete the service vs number of users who drop-out of the service). In each study phase, these data will be compiled and prepared for analysis by the research team members. Furthermore, SPSS will be used for descriptive statistics such as frequencies, means and percentages to examine available reported usage data (per user), demographic variables and quantitative survey responses. Provincial population representation will drive sample size consideration in early study phases. To integrate the qualitative and quantitative findings together, the research team will employ an embedding strategy.³⁷ An embedding strategy is often used within health intervention studies to further explore and explain the outcomes of the intervention and results.^{37 38} As such, by mixing the results of the quantitative and qualitative research methods, our qualitative findings can provide added breadth and depth to the quantitative data collected.³⁹

Patient and public involvement

A patient partner (TM) has been engaged in the development of the grant application and conception of the study design and takes part in research team meetings. Moreover, TM developed and currently chairs the Saskatchewan resident advisory committee. This committee has provided support with regards to the design of the service,

as well as recruitment initiatives and feedback regarding the user experience in the service. This group will also be engaged in knowledge translation and dissemination activities.

ETHICS AND DISSEMINATION

This study obtained ethical approval from the University of Saskatchewan Research Ethics Board (REB 2281) on 30 October 2020. Participant consent is indicated through the completion and submission of the enrolment survey. All information that is collected, used and disclosed is in accordance Canadian laws and follows the Personal Information and Protection and Electronic Documents Act and Health Insurance Portability and Accountability Act. Participation is entirely voluntary, and participants are able to opt out of the service at any time by texting 'STOP' to SKWELL (759355).

The findings from this study will be communicated through a knowledge dissemination plan consisting of both formal academic activities, as well as mainstream communication with the public. In addition, an integrated knowledge translation approach is included in the study through the engagement of a Saskatchewan resident advisory committee. Planned academic activities to support dissemination include presentations at academic conferences (eg, mental health and digital health related), publications in relevant academic journals and webinar presentations through the investigator's institutions, for example, grand rounds. Mainstream communication with the public includes the use of social media (eg, Twitter, Instagram and Facebook), radio and TV interviews and research snapshots included in community organisation newsletters.

DISCUSSION

Current mental health system infrastructure was not developed to support people at the scale being experienced as a result of the COVID-19 pandemic, or in a proactive way to support population health. The Mental Health Commission of Canada has identified that the increased use of technology is essential to address this gap between need and services.⁴⁰ This project explores the use of a customised two-way texting service to inform and engage Canadians with existing digital mental health tools and programmes. The use of codesign throughout the design and delivery of the service creates opportunity to identify and address key issues known to challenge digital health success. The most significant of these being the identification of potential barriers in promoting and supporting access to these existing and emerging digital mental health resources. Other aspects of the study design are meant to further understanding of the benefit and/or usefulness of the online tools themselves by having users of the SaskWell service identify the resources used most often and what, if any, changes they noted in their mental health status. In order to address population mental

health needs, we have to increase awareness and use of digital mental health services.

The effectiveness of text messaging as a means to extend the potential reach of digital interventions requires additional examination. While it is anticipated that this lower tech approach may bridge divides that separate some vulnerable or disadvantaged groups from essential mental health supports for example, additional research is needed to demonstrate this. Building on an existing knowledge synthesis project identifying key digital resources for improved mental health across the country, this research will establish low-tech connections as a means to assess need and better match access to services for those who need it most as the challenges of the global pandemic continue.

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Contributors The study concept was co-led and developed by TR and GS. PJ contributed to the technology design, enrolment considerations and engagement methods. TM, CC and IK supported the development of the advisory committee of Saskatchewan residents. TR, GS, CC and IK supported the analytic approach developed. TR, GS, CC, and IK contributed equally to drafting and editing the protocol manuscript. All authors approved the final version of the manuscript.

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1 **Appendix A: Web-Based Enrollment Survey Questions**

2

3 Survey Web Link: <https://prosurvey.memotext.com/survey/dHDk4bVIW8>

4

5 [Section 1 – Demographic Questions]

6

7 1. Do you live Saskatchewan?

8

a. Yes

9

b. No*

10

11 *Branching Logic: Thank you for your interest in Be SaskWell. At this time, the service is
12 only available to those who live in Saskatchewan.

13

14 2. What is your age? (Free Text)

15

16 3. When possible, would you prefer to receive mental wellness resources
17 developed with consideration of your age?

18

19 4. What is your gender identity?

20

a. Male

21

b. Female

22

c. Other (Free Text)

23

24 5. How would you describe where you live?

25

a. Urban

26

b. Rural

27

c. Northern

28

29 6. How would you identify your race/ethnicity?

30

a. Asian

31

b. Black

32

c. Indigenous (First Nations, Inuit, Métis)

33

d. Latin American

34

e. Middle Eastern

35

f. White

36

g. Mixed heritage

37

h. Other (free text)

38

i. Not sure

39

j. Prefer not to answer

40

41 [Section 2 – Technology Assessment Questions]

42

43 7. Do you have regular access to stable and reliable wireless internet and/or a data
44 plan?

45

a. Yes

46

b. No

47

48

8. Do you have regular access to a smartphone?

49

a. Yes

50

b. No

51

52

9. Please choose a statement that best describes you:

53

a. I own my own cell phone

54

b. I share a cell phone

55

c. I do not have access to a cell phone*

56

57

*Branching Logic: Thank you for your interest in the SaskWell service. Unfortunately, access to a mobile device is required to receive content from the SaskWell service.

58

59

60

10. The cell phone I use:

61

a. Is a smartphone

62

b. Is text only

63

64

[Section 3 – Mental Health Self-Check Survey]

65

66

11. During the past month, how often did you feel happy?

67

a. Never

68

b. Once or twice

69

c. About once a week

70

d. 2 or 3 time a week

71

e. Almost every day

72

f. Every day

73

74

12. During the past month, how often did you feel interested in life?

75

a. Never

76

b. Once or twice

77

c. About once a week

78

d. 2 or 3 time a week

79

e. Almost every day

80

f. Every day

81

82

13. During the past month, how often did you feel satisfied with life?

83

a. Never

84

b. Once or twice

85

c. About once a week

86

d. 2 or 3 time a week

87

e. Almost every day

88

f. Every day

89

90

14. During the past month, how often did you feel that you had something important to contribute to society?

91

a. Never

92

- 93 b. Once or twice
94 c. About once a week
95 d. 2 or 3 time a week
96 e. Almost every day
97 f. Every day
98
99 15. During the past month, how often did you feel that you belonged to a community
100 (like a social group, or your neighbourhood?)
101 a. Never
102 b. Once or twice
103 c. About once a week
104 d. 2 or 3 time a week
105 e. Almost every day
106 f. Every day
107
108 16. During the past month, how often did you feel that our society is a good place, or
109 is becoming a better place for all people?
110 a. Never
111 b. Once or twice
112 c. About once a week
113 d. 2 or 3 time a week
114 e. Almost every day
115 f. Every day
116
117 17. During the past month, how often did you feel that people are basically good?
118 a. Never
119 b. Once or twice
120 c. About once a week
121 d. 2 or 3 time a week
122 e. Almost every day
123 f. Every day
124
125 18. During the past month, how often did you feel that the way our society works
126 made sense to you?
127 a. Never
128 b. Once or twice
129 c. About once a week
130 d. 2 or 3 time a week
131 e. Almost every day
132 f. Every day
133
134 19. During the past month, how often did you fel that you liked most parts of your
135 personality?
136 a. Never
137 b. Once or twice
138 c. About once a week

- 139 d. 2 or 3 time a week
140 e. Almost every day
141 f. Every day
142
- 143 20. During the past month, how often did you feel good at managing the
144 responsibilities of your daily life?
145 a. Never
146 b. Once or twice
147 c. About once a week
148 d. 2 or 3 time a week
149 e. Almost every day
150 f. Every day
151
- 152 21. During the past month, how often did you feel that you had warm and trusting
153 relationships with others?
154 a. Never
155 b. Once or twice
156 c. About once a week
157 d. 2 or 3 time a week
158 e. Almost every day
159 f. Every day
160
- 161 22. During the past month, how often did you feel that you had experiences that
162 challenges you to grow a become a better person?
163 a. Never
164 b. Once or twice
165 c. About once a week
166 d. 2 or 3 time a week
167 e. Almost every day
168 f. Every day
169
- 170 23. During the past month, how often did you feel confident to think or express your
171 own ideas and options?
172 a. Never
173 b. Once or twice
174 c. About once a week
175 d. 2 or 3 time a week
176 e. Almost every day
177 f. Every day
178
- 179 24. During the past month, how often did you feel that your life has a sense of
180 direction or meaning to it?
181 a. Never
182 b. Once or twice
183 c. About once a week
184 d. 2 or 3 time a week

- 185 e. Almost every day
186 f. Every day
187

188 **Appendix B: Semi-Structured Interview Guide**

189 Demographic Questions

- 190
191
192 1. What is your age?
193 2. What gender do you identify as?
194 3. Would your place of residence be considered Rural, Urban or Northern?
195

196 General Questions

- 197
198 1. How did you hear about SaskWell?
199
200 2. What made you interested in signing up for SaskWell? Was there a particular
201 part of SaskWell that was of most interest? Were you concerned at all about
202 signing up for the service?
203
204 3. When signing-up for SaskWell, did you require any help or support? This could
205 be related to filling out the initial survey or using the text-service itself.
206
207 4. When you initially signed up for SaskWell, what did you hope the service would
208 help you with/help you accomplish?
209 • *Prompt:* Were you interested in learning more about digital tools? Were you
210 interested in learning how to better support your mental health and wellness?
211
212 5. After using SaskWell, what components of the service did you like? What did you
213 dislike? Why did you like or dislike these aspects of the service?
214

215 SaskWell Content Questions

- 216
217 6. What digital tools were you connected with during the course of the SaskWell
218 service? Did you find these digital tools helpful in supporting your mental health
219 and wellness? Why or why not?
220
221 7. Were the digital tools easy to use? If so, why? If not, what difficulties did you
222 have in using the tools? (e.g., technical issues, literacy issues, general issues?)
223
224 8. Do you have any suggestions of other digital tools or other kinds of digital tools
225 (e.g., apps, podcasts, online course, etc.) we could include in the SaskWell
226 service?
227
228 9. Did you find the weekly wellness text messages (ex. Journaling, reminder to take
229 time for yourself) helpful? Supportive? Easy to implement into your daily routine?
230

231 10. Was the frequency of text messages you received suitable? Would you like to
232 receive more or less text messages? Why?
233

234 Digital Health Tool Usage/Experience
235

236 11. Have you used digital tools/resources prior to the SaskWell service to support
237 your mental health and wellness? If yes, how did you find out about these digital
238 tools/resources (physician recommendation, word of mouth, social media, etc.)?
239 If no, how do you support or maintain your mental health? (Therapy, talking to
240 friends/family, etc.)?
241

242 12. How do you feel your mental health and wellness has changed since using the
243 SaskWell service? Did the use of the tools or supports provided through the
244 service support this change?
245

246 COVID-19 Mental Health Impact
247

248 13. How do you think COVID-19 has impacted the mental health and wellness of
249 residents of Saskatchewan? Do you believe Saskatchewan has enough supports
250 or resources to provide mental health care to their residents? What sorts of
251 mental health resources do you think would be beneficial to have access to?
252

253 Concluding Questions
254

255 14. If we were to re-design this texting/digital service, what should we do differently?
256 What should we keep? What should we toss?
257

258 15. Would you recommend this service to a friend/family member/colleague? Why or
259 why not?
260

261 16. Do you have any ideas or suggestions or ways in which we can make residents
262 of SK aware of the SaskWell service – extending the reach across SK.
263
264
265