Patients' Perceptions and Satisfaction Regarding Tele-consultations during the COVID-

19 Pandemic in Jeddah, Saudi Arabia

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Abstract Background: The coronavirus disease 2019 (COVID-19) pandemic has resulted in the widespread implementation of tele-consultation. Tele-consultation provides remote communication and reduces the risk of virus transmission. However, patients' perceptions and satisfaction are relevant to ensuring the quality of the service. Thus, this study aimed to evaluate patients' perceptions and satisfaction regarding tele-consultations during the COVID-19 pandemic in Jeddah. Methods: This was a cross-sectional study using an electronic questionnaire to assess patients' perceptions and satisfaction regarding tele-consultations during May 2020. A total of 347 participants were included. **Results:** More than one third of the sample were above 40 years, women (73.2%), and had a university education (70.8%). Patients' perceptions of the effectiveness of tele-consultation ranged from 71.43% to 88.77% and their satisfaction level ranged between 59.40% and 83.96%. Older patients who had favorable outcomes from tele-consultation strongly agreed about the effectiveness of tele-consultation and were more satisfied. Patients with higher education levels who used the service only once were more satisfied with the experience. Moreover, those patients with greater age and educational levels and those who called for emergencies and to request medication refills were more likely to use tele-consultation in the future beyond the COVID-19 pandemic. When asked about reasons for dissatisfaction, 70%

of the participants were unhappy with the wait time for a tele-consultation.

Conclusions: Most patients were satisfied with the tele-consultations during the COVID-19 pandemic. However, a better understanding of patients' perceptions and reasons for dissatisfaction are fundamental in the planning and implementation of tele-consultations in Saudi Arabia.

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Keywords: COVID-19, Patient satisfaction, Tele-consultations, Saudi Arabia

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1. Introduction

Telemedicine has been defined by the World Health Organization as "the delivery of health care services by all health care professionals using technology for the exchange of valid information for the diagnosis, treatment, and prevention of disease and injuries."[1] One of the main categories of telemedicine is tele-consultation, which is defined as interactive communication between patients and healthcare providers at a distance by using technology.[2] A recent meta-analysis has shown that tele-consultation provided a rapid alternative to face-to-face clinical visits.[3] It is considered as an effective triage method to evaluate patients' complaints, prevent unnecessary clinical visits, and reduce waiting time.[4] Although some government and private health institutes already established tele-consultation services years ago, the implementation of tele-consultation has not been popular in Saudi Arabia.[5,6] On March 2, 2020, Saudi Arabia announced the first case of coronavirus disease (COVID-19).[7] Shortly thereafter, the Saudi government imposed a 24-hour curfew for highly affected cities, including Jeddah. At the same time, the Ministry of Health (MOH), as well as numerous private hospitals and clinics, have activated tele-consultation services to provide health care to citizens without leaving their homes. Tele-consultation is an attractive solution

to minimize the risk of virus transmission,[8] and it provides not only emergency medical services but also routine medical consultations and follow-up.

The COVID-19 pandemic has offered an unexpected opportunity to increase the use of teleconsultation services in various medical specialties. Although many countries have adopted the idea of tele-consultation during the COVID-19 pandemic,[9,10,11,12] there has been limited research in regard to patient acceptance and satisfaction.[13,14] To date, no Saudibased study has assessed patient satisfaction with this type of service during the COVID-19 pandemic. Thus, the aim of this project was to evaluate the patients' satisfaction with teleconsultation during the COVID-19 pandemic in Jeddah, Saudi Arabia. Continuing to provide tele-consultation services beyond the COVID-19 pandemic could save time and minimize the

economic burden of providing health services. However, ensuring patients' satisfaction and

acceptance of tele-consultation is a crucial step to ensuring success in this endeavor in Saudi

2. Methods

Arabia.[15]

2.1 Study design

This cross-sectional study was conducted in Jeddah in May 2020. An electronic questionnaire was distributed online through social media (WhatsApp and Twitter). All the participants included in the study were 18 years or older, lived in Jeddah, and used tele-consultation services at least once. At the beginning of the questionnaire, the participants were briefly informed of the aim of the study and the term "tele-consultation" was clearly defined as the telephonic communication between patient and healthcare providers. Further, participants were asked to complete the questionnaire if they agreed to share their answers. Any incomplete questionnaires were excluded.

2.2 Sample size

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- 74 The sample size was calculated based on MOH reports regarding the call service center (937)
- 75 that showed the number of medical calls in Jeddah was 906 per week.[7] This number was
- used as a guide to calculate the sample size. Because the study duration was planned to be for
- a month, the expected calls was 3,624. Then, Raosoft sample size calculator
- 78 (http://www.raosoft.com/samplesize.html) was used tocalculate the sample size. Based on
- achieving a confidence level (*P*-value) of 5% and a confidence interval of 95%, the sample
- 80 size was 347.

2.3 Questionnaire

- For this study, a validated electronic questionnaire was used. The validity and internal consistency of the questionnaire were tested during a pilot study on 30 subjects who were excluded from the main study. The pretesting of the questionnaire showed that the

Cronbach's alpha scores for all items were above 0.7. The questionnaire was translated from

- 86 English into Arabic using the backward-forward method and was double-checked by the
- authors and a translator.
- The questionnaire consisted of 18 questions distributed in four domains. The first question
- was a screening question to ensure the inclusion criteria (adult, living in Jeddah, and used
- 90 tele-consultation service during COVID-19 pandemic). The first domain comprised
- 91 demographic characteristics, including age, sex, nationality, and education level. The second
- 92 domain was related to the personal experience of the tele-consultation (the number of times
- 93 tele-consultation services were used during the COVID-19 pandemic, the reason for the call,
- and the outcome). The third and fourth domains addressed patients' perspectives regarding
- 95 the effectiveness of tele-consultation and their satisfaction regarding the tele-consultation.
- Respondents were asked to answer from 'strongly agree' to 'strongly disagree' on a 5-point
- 97 Likert scale. The maximum total score was 25 and the minimum total score was 5, with

higher scores reflecting greater satisfaction. Based on the results of this questionnaire, the participants were classified as follows: satisfied (satisfaction score from 25 to 16), neutral (satisfaction score from 15 to 11), and unsatisfied (satisfaction score from 10 to 5). Moreover, the Likert scores were transformed into satisfaction percentages using the following formula: Satisfaction $\% = (\text{strongly agree} + \text{agree})/\text{all response} \times 100$.

2.4 Statistical analysis

Data cleaning and data analysis for this study were performed using the Statistical Package for Social Sciences (SPSS) v. 23.0. Descriptive statistics were used to characterize the study population. Demographic data were described with frequency and percentages, while satisfaction scores were described using mean (M) and standard deviation (SD). Comparisons between the two groups were represented by the Mann–Whitney U test. A *P*-value < .05 was considered statistically significant. Qualitative thematic analysis for open-ended questions was used.

3. Results

A total of 347 responses (279 in Arabic and 68 in English) were received during the study period. Fifteen questionnaires were excluded from the analysis due to incomplete information. The completion rate was 96.7%

3.1 Demographic characteristics

The results obtained for the demographic data are listed in Table 1. The participants' age range was 18 to older than 60 years. Most (38.6%) of the participants were aged 40 to 59 years, 28.3% were 18 to 29, and 25.9% were 30 to 39. Some 73.2% were women. Most (92.5%) participants were Saudi nationals. Most (70.8%) participants had a university education.

The prevalence of using tele-consultation during the COVID-19 pandemic showed that almost 70% used the service one time only, whereas 30% used this service more than once. The main reason for using the service was experiencing a new complaint (26%), next, for follow-up (24%), then for emergencies and for COVID-19-related medical issues at 18% each, and finally 14% for medication refills.

The most common outcome from the tele-consultation was prescribed drugs (39.2%), followed by reassurance and self-management (35.2%). Making an appointment (5.1%) and sending for an ambulance (3.6%) were the least common reasons for using the service.

Table 1. Demographic characteristics (N= 332).

Characteristics		Frequency (N)	Percentage (%)
Age	18–29	94	28.3%
	30–39	86	25.9%
	40–59	128	38.6%
	>60	24	7.2%
Sex	Men	89	26.8%
	Women	243	73.2%
Nationality	Saudi	307	92.5%
	Non-Saudi	25	7.5%
Educational level	Elementary	2	0.6%
	Secondary	37	11.1%
Y	University	235	70.8%
	Higher education	58	17.5%
How many times	Once	232	69.9%
did you use the	More than one	100	20.10/
service?		100	30.1%
For what reason did	New complaint	86	25.9%
you use the service?	Follow-up	80	24.1%

	Emergency	60	18.1%
	Refill medication	46	13.9%
	COVID-19	60	18.1%
	related		1011/0
What was the	Reassurance and	117	35.2%
outcome or	self-management	117	33.270
treatment from your	Prescribed drugs	130	39.2%
call consultation?	Appointment	17	5.1%
	Ambulance sent	12	3.6%
	Other	56	16.9%

3.2 Participants' satisfaction scores for various components of the tele-consultation

Table 2 shows the participants' perceptions of the effectiveness of the telemedicine offered. They stated they mostly agreed to strongly agreed regarding their ability to explain their medical problems to the doctor on the phone, with a median score of 4.33 out of 5. In addition, they believed that doctors understood their problems via telephone and were confident that the doctor could provide an appropriate management plan via tele-consultation, with median scores of 4.22 and 4.04, respectively. They expressed satisfaction with how much the doctors told them about the treatment, with a median score of 4.03. The lowest levels of agreement related to understanding their illness after the tele-consultation, with a median score of 3.91. Overall satisfaction rates with the service exceeded 70%.

Table 2. Satisfaction scores on perceptions of the effectiveness of telemedicine (N = 332).

Components	Mean	SD	Satisfaction %
I easily explained my medical problem to the doctor on the phone.	4.33	0.76	88.47
I believe the doctor understood my medical problem on the phone.	4.22	0.84	83.71

I was confident that the doctor could provide an appropriate management plan via phone consultation.	4.04	1.02	75.19
The doctor told me everything about my treatment.	4.03	0.95	74.44
I understood my illness much better after the phone consultation.	3.9	1.02	72.43
Overall Medical Satisfaction	4.1	0.82	

Table 3 shows the participants' satisfaction with the telemedicine service. They were the least satisfied with sharing private or personal information, with a median score of 3.7 out of 5. However, there was greater satisfaction regarding the time offered for the consultation and the 24/7 availability of consultations, with median scores of 3.99 and 4.04 out of 5, respectively. The participants were satisfied that good medical service was provided that not require transportation, and that they would likely use it again in the future after the COVID-19 pandemic, with median scores of 4.3 and 4.05, respectively. Moreover, satisfaction rates exceeded 70% for all aspects assessed, except for the item related to sharing private information with a doctor face-to-face versus via the telephone. Some 59% of participants felt that they were more comfortable sharing private data via the phone than in face-to-face meetings.

Table 3. Participants' satisfaction with the telemedicine service (N = 332).

Components	Mean	SD	Satisfaction %
I was more comfortable telling the doctor about private or			
personal information than in a face-face appointment	3.70	1.13	59.40
I was satisfied with the consultation time.	3.99	0.98	77.94
Medical consultations were offered at my preferred time 24/7.	4.04	1.02	77.19
Tele-consultation provided good medical service that did not			
require transportation.	4.30	0.88	83.96
I would like to use tele-consultation again in the future after the	4.05	1.12	76.19

COVID-19 pandemic.			
Overall satisfaction	4.02	0.8	

other variable.

3.3 Factors affecting participants' perception of the effectiveness of tele-consultation

Table 4 shows the factors affecting participants' perception of the effectiveness of tele-consultation. A significant association was observed between satisfaction levels and age (P = .037), whereby older people were more likely to report higher levels of satisfaction. Furthermore, we observed a significant relationship between levels of satisfaction and outcomes from tele-consultation (P = .003), in which the highest satisfaction was shown in cases with consultation for an ambulance, then for prescribed drugs, and then for reassurance and self-management. There was no significant relationship between satisfaction and any

[Table 4. Factors affecting participants' perception toward telemedicine satisfaction.]

3.4 Factors affecting participants' satisfaction with the telemedicine experience

Table 5 shows 3 factors significantly affecting participant satisfaction with the telemedicine services. Participants with higher educational levels were more likely to be satisfied with the service compared with those with a lower educational background (P = .001). On the other hand, participants who used the service more than once were more likely to report lower satisfaction compared with those who used the service one time only (P = .002). There was also a significant relationship between the level of satisfaction and the outcome of the call consultation (P = .002), in which satisfaction was highest among cases with reassurance and self-management and prescribed drugs as the outcomes.

[Table 5. Factors affecting participants' satisfaction regarding telemedicine experience.]

3.5 Characteristics of those who would be likely to use tele-consultation again in the

future after the COVID-19 pandemic

Table 6 shows the characteristics of those who indicated they would likely use the phone consultation services again in the future after the COVID-19 pandemic. A total of 5 factors were shown to have an effect on this behavior: age, educational level, times of use of phone consultation, reasons for using the phone consultation, and outcomes from the phone consultation (P < .05).

As can be observed, there was a significant association with age (P = .04) and with using the service once or multiple times (P = .03). The association with the outcome of the consultation was even more significant (P = .02) than that for age or the number of times using the service. The strongest association in terms of using the service again was the reasons for using the service (P = .01) and educational level (P = .01).

[Table 6. Characteristics of those likely to use tele-consultation again in the future after the COVID-19 pandemic.]

3.6 Qualitative analysis of the main problems that the participants encountered during

the tele-consultation experience

At the end of the questionnaire, the participants were asked an open-ended question about any problems they encountered during their tele-consultation. After ruling out the positive and unrelated comments, only 41 (10%) negative comments were included for further analysis (Table 7). A significant majority (70%) of the complaints with the service were related to the long waiting time for a consultation.

Table 7. Main problems encountered the participants during the tele-consultation.

Theme	Comments	N (%)
Response and waiting time	Delayed response.	29 (70%)

	Long waiting time.	
	No response.	
Unsolved medical issue	The doctor did not understand my medical issues.	9 (%)
	They gave me an appointment without explaining my	<u> </u>
	problem.	1
	My problem was not solved.	M
Technical issues	The doctor's voice was not clear.	3 (%)

4. Discussion

This study aimed to evaluate the patients' perceptions and satisfaction regarding teleconsultations during the COVID-19 pandemic in Jeddah, Saudi Arabia. Factors that could
influence patient satisfaction with the service were also considered. To our knowledge, this is
the first study to assess patient satisfaction regarding tele-consultation in Saudi Arabia during
the COVID-19 pandemic.

The demographic data indicated that the majority of the participants in this study were
women between the ages of 30 and 59 with a college degree. It is worth mentioning that the
results of this study showed that 70% of the study population used tele-consultation only
once. This could be explained, to some extent, by the reported outcomes from their calls. The
outcomes of the majority of the tele-consultation services result in either the patients'
reassurance or medication prescription to them. However, more studies are needed to explore
this area in-depth.

Although several studies[16,17] have indicated that these characteristics generally correlate
with lower patient satisfaction, we found that patient satisfaction with the tele-consultation

services was high across all domains tested. In over 70% of the cases, the participants felt that the doctor provided them with an appropriate management plan, that they understood their condition better, and that they were able to receive and convey information over the phone. Similarly, in terms of satisfaction with the experience, >80% of the participants were satisfied with the fact that they did not need a physical meeting with the doctor. As first reported by Newbould et al.,[18] patient dissatisfaction with tele-consultation seems to increase when the patient still needs to have a physical visit despite the tele-consultation. Hence, it can be argued that the high rates of satisfaction, in this case, were obtained in part because the vast majority of the participants did not need to visit the doctor's office following the teleconsultation. Several demographic variables appeared to impact satisfaction levels. In some cases, these elements were found to concur with previous reports.[16,17,18] Such aspects include older individuals and their likelihood of being satisfied with the service. Newbould et al.[18] stated that younger people are quicker to find solutions to their medical issues and therefore tend to be more dissatisfied with the services provided than older individuals. Similarly, the outcome of the service was also found to influence patient satisfaction regardless of the nature of the outcome. Some divergent aspects were also noted. Contrary to previous findings, [18,19,20] this study found that patients with lower levels of education tended to be more dissatisfied with the service. Moreover, low-to-middle income countries in Asia have faced certain challenges regarding tele-consultation—in India, the lack of standardized tele-consultation guidelines at the peak of the pandemic had led to disarray and a notable lack of initiative from the healthcare sector [21]. In particular, technological limitations in the form of lack of internet access, and deficiency in digital literacy from providers and patients alike, had been at the forefront of the hurdles encountered [21].

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Finally, contrary to other reports, sex was not found to influence levels of satisfaction. Hence, by corroborating the results obtained by this study with similar studies, it appears that patient satisfaction with tele-consultation services is largely dictated by the reasons for which the service is requested, the outcomes of the consultation, and by specific patient characteristics. Despite experiencing higher levels of dissatisfaction after using the service more than once, participants in this study were also more likely to use the service again if they had used it before. The interpretation of these results could be limited by the circumstances created by the COVID-19 pandemic.[22] Repeated use of the service might occur for these patients, if they lack other alternatives. Those with higher educational levels were also more likely to use the service and experienced greater satisfaction with the service, contrary to other findings. Finally, the reasons for use and the outcomes of the service also had a significant impact on the likelihood of reuse. The reasons for service dissatisfaction identified by this study have also been reported elsewhere.[18] Over 70% of participants were dissatisfied with the long waiting time for a consultation, and 9% were unhappy because, despite the consultation, they had to attend a physical appointment. Only 3% had experienced a technical difficulty, which might indicate that the quality of the service could be influenced by the infrastructure available to carry out the tele-consultation. Despite showing an overall high satisfaction rate with the tele-consultation service, these results must be considered with caution. First, the patient sample presents various homogenous characteristics, especially in terms of sex and education. These aspects limit the generalizability of the study across Saudi Arabia. It is therefore recommended that future studies include more diverse participant samples when assessing patient satisfaction with tele-consultations. Response bias is another limitation that can affect the outcome.

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Furthermore, the results of this study cannot be generalized to all medical subspecialties. The applicability of tele-consultation in various subspecialties must be assessed individually. Also, assessing the physicians' perceptions toward tele-consultation was beyond the scope of this study. It is worth mentioning that the adoption of telemedicine by health professionals is limited in Saudi Arabia despite the efforts and support provided by the Saudi MOH.[2,6,23] A recent systemic review highlighted the factors that influenced the adoption of telemedicine in Saudi Arabia, which included a lack of healthcare provider knowledge and limited publications in support of such services.[5] Thus, it is crucial to increase the knowledge of healthcare providers about tele-consultation services and to incorporate this topic in all training programs and university medical curricula.

5. Conclusions

We conclude that patients were generally satisfied with the tele-consultation service implemented in Jeddah during the COVID-19 pandemic. More studies will be necessary to obtain an in-depth understanding of patients' perception and satisfaction with these services as well as the necessary logistics. However, the telephone service could be extended to other medical areas and appears to function well as a viable alternative to physical consultations. Given the current circumstances created by the COVID-19 pandemic, investigating these services in terms of patient satisfaction, service quality, and potential improvements is a global necessity. The results of this study could shape the future of practicing medicine in Saudi Arabia and will help with establishing guidelines for conducting tele-consultation services. However, more studies are required to provide evidence-based data for tele-consultation in various medical subspecialties and specific patient populations.

Ethics approval and consent

297	This study v	was approved by the Unit of Biomedical Ethics Research Committee at the
298	Faculty of M	edicine, King Abdulaziz University (Reference No. 229-20), dated May 4, 2020.
299	A written in	aformed consent was at the beginning of the electronic questionnaire. The
300	participants v	were informed about the aim and process of the study. Further, they were asked
301	to complete t	he questionnaire only if they agreed to share their answers.
302		
303	Disclaimer	
304	This paper is	an extended version of a preprint document of the same author.
305	The preprint	document is available in this link: https://assets.researchsquare.com/files/rs-
306	51755/v1/270	02bc1c-86cf-4d9f-bb23-04216d8841c3.pdf?c=1631853838
307	[As per journ	al policy, pre-print article can be published as a journal article, provided it is not
308	published in	any other journal]
309		
310	List of abbro	eviations
311	МОН	Ministry of Health
312	SD	Standard deviation
313	SR	Swain-Eng RJ

Data that support the findings in the current study are available from the corresponding

author on reasonable request.

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Table 4. Factors affecting participants' perception toward telemedicine satisfaction (N= 332).

Characteristics		Satisfied (25–16)	Neutral (15–11)	Unsatisfied (10–5)	<i>P</i> -value
Age	18–29	75 (79.8%)	16 (17%)	3 (3.2%)	
	30–39	80 (93%)	6 (7%)	0 (0%)	.037
	40–59	114 (89.1%)	8 (6.3%)	6 (4.7%)	_
	>60	22 (91.7%)	2 (8.3%)	0 (0%)	-
Sex	Men	75 (84.3%)	13 (14.6%)	1 (1.1%)	.111
	Women	216 (88.9%)	19 (7.8%)	8 (3.3%)	111
Nationality	Saudi	270 (87.9%)	28 (9.1%)	9 (2.9%)	.385
	Non-Saudi	21(84%)	4 (16%)	0 (0%)	363
Educational level	Elementary	2 (100%)	0 (0%)	0 (0%)	606
	Secondary	33 (89.2%)	3 (8.1%)	1 (2.7%)	.606

	University	201 (85.5%)	26 (11.1%)	8 (3.4%)	
	Higher	55 (94.8%)	3 (5.2%)	0 (0.0%)	_
	education				
How many times	Once	202 (87.1%)	25 (10.8%)	5 (2.2%)	
did you use the	More than	89 (89%)	7 (7%)	4 (4%)	.379
service?	once	89 (89%)	7 (7%)	4 (4%)	
For what reason	New complaint	75 (87.2%)	10 (11.6%)	1 (1.2%)	
did you use the	Follow-up	71 (88.8%)	4 (5%)	5 (6.3%)	
service?	Emergency	52 (86.7%)	7 (11.7%)	1 (1.7%)	
	Refill	44 (95.7%)	2 (4.3%)	0 (0%)	.145
	medication	44 (93.7%)	2 (4.3%)	0 (0%)	
	COVID-19	49 (81.7%)	9 (15%)	2 (3.3%)	_
	related	49 (81.7%)	9 (13%)	2 (3.3%)	
What was the	Reassurance		—		
outcome or	and self-	107 (91.5%)	9 (7.7%)	1 (0.9%)	
treatment from	management)		
your call	Prescribed	124 (95.4%)	6 (4.6%)	0 (0%)	_
consultation?	drugs	124 (93.4%)	0 (4.0%)	0 (0%)	.003
	Appointment	15 (88.2%)	1 (5.9%)	1 (5.9%)	<u> </u>
	Ambulance	12 (100%)	0 (00/)	0 (0%)	_
	sent	12 (100%)	0 (0%)	0 (0%)	
	Other	33 (58.9%)	16 (28.6%)	7 (12.5%)	_

Table 5. Factors affecting participants' satisfaction regarding telemedicine experience (N=332).

Characteristics		Sociation (25 16)	Neutral (15–11)	Unsatisfied	D volue
		Satisfied (25–16)		(10–5)	<i>P</i> -value
Age	18–29	76 (80.9%)	15 (16%)	3 (3.2%)	
	30–39	79 (91.9%)	6 (7%)	1 (1.2%)	.092
	40–59	115 (89.8%)	7 (5.5%)	6 (4.7%)	

	>60	22 (91.7%)	2 (8.3%)	0 (0%)	
Sex	Men	79 (88.8%)	8 (9%)	2 (2.2%)	.884
	Women	213 (87.7%)	22 (9.1%)	8 (3.3%)	.884
Nationality	Saudi	268 (87.3%)	29 (9.4%)	10 (3.3%)	.412
	Non-Saudi	24 (96%)	1 (4%)	0 (0%)	.412
Educational level	Elementary	0 (0%)	2 (100%)	0 (0%)	
	Secondary	32 (86.5%)	3 (8.1%)	2 (5.4%)	
	University	205 (87.2%)	22 (9.4%)	8 (3.4%)	.001
	Higher	55 (04.00()	2 (5 20()	0 (00)	
	education	55 (94.8%)	3 (5.2%)	0 (0%)	
How many times	Once	208 (89.7%)	21 (9.1%)	3 (1.3%)	
did you use the	More than	24 (24-1)		- (-)	.020
service?	once	84 (84%)	9 (9%)	7 (7%)	
For what reason did	New				
you use the service?	complaint	76 (88.4%)	9 (10.5%)	1 (1.2%)	
	Follow-up	67 (83.8%)	8 (10%)	5 (6.3%)	
	Emergency	53 (88.3%)	5 (8.3%)	2 (3.3%)	710
	Refill				.519
	medication	44 (95.7%)	2 (4.3%)	0 (0%)	
	COVID-19				
	related	52 (86.7%)	6 (10%)	2 (3.3%)	
What was the	Reassurance				
outcome or	and self-	108 (92.3%)	8 (6.8%)	1 (0.9%)	
treatment from your	management				
call consultation?	Prescribed	101 (02 10/)	0 (6 20()	1 (0 00/)	000
	drugs	121 (93.1%)	8 (6.2%)	1 (0.8%)	.002
	Appointment	15 (88.2%)	2 (11.8%)	0 (0%)	
	Ambulance				
	sent	10 (83.3%)	2 (16.7%)	0 (0%)	

Other	38 (67.9%)	10 (17.9%)	8 (14.3%)	

Table 6. Characteristics of those likely to use tele-consultation again in the future after the COVID-19 pandemic (N=332).

Characteristics		Strongly agree/agree	Not sure	Strongly disagree/disagree	<i>P</i> -value
Age	18–29	65 (69.1%)	11 (11.7%)	18 (19.1%)	N
	30–39	68 (79.1%)	12 (14.0%)	6 (7%)	
	40–59	104 (81.3%)	10 (7.8%)	14 (10.9%)	.044
	>60	20 (83.3%)	4 (16.7%)	0 (0 %)	
Sex	Men	66 (74.2%)	15 (16.9%)	8 (9%)	
	Women	191 (78.6%)	22 (9.1%)	30 (12.3%)	.113
Nationality	Saudi	235 (76.5%)	35 (11.4%)	37 (12.1%)	
	Non-Saudi	22 (88%)	2 (8%)	1 (4%)	.379
Educational level	Elementary	0 (0%)	0 (0%)	2 (100%)	
	Secondary	27 (73.0%)	7 (18.9%)	3 (8.1%)	
	University	178 (75.7%)	27 (11.5%)	30 (12.8%)	
	Higher education	52 (89.7%)	3 (5.2%)	3 (5.2%)	.001
How many times	Once	177 (76.3%)	32 (13.8%)	23 (9.9%)	
did you use the service?	More than once	80 (80%)	5 (5%)	15 (15.0%)	0.038

Eastwhat massan did	Nov. complaint				
For what reason did	New complaint	64 (74.4%)	18 (20.9%)	4 (4.7%)	
you use the					
service?	Follow-up	59 (73.8%)	3 (3.8%)	18 (22.5%)	
	Emergency	49 (81.7%)	4 (6.7%)	7 (11.7%)	
	Refill medication	38 (82.6%)	3 (6.5%)	5 (10.9%)	.001
	COVID-19	45 (50 20)	0 (150()	1 (470)	N
	related	47 (78.3%)	9 (15%)	4 (6.7%)	
What was the	Reassurance and			X	
outcome or	self-management	97 (82.9%)	13 (11.1%)	7 (6%)	
treatment from					
your call	Prescribed drugs	104 (80%)	14 (10.8%)	12 (9.2%)	
consultation?					
	Appointment	13 (76.5%)	2 (11.8%)	2 (11.8%)	.02
	Ambulance sent	9 (75%)	1 (8.3%)	2 (16.7%)	
	Other	34 (60.7%)	7 (12.5%)	15 (26.8%)	