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BASIS FOR PRACTICE DEVELOPMENT: ACCEPTABILITY OF THE COMMUNITY PHARMACIES' PHARMACEUTICAL SERVICES IN KORONADAL CITY, SOUTH COTABATO DURING COVID-19 PANDEMIC

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ABSTRACT

Objective: To identify the level of acceptability of the Community Pharmacies' Pharmaceutical Services in Koronadal City, South Cotabato during the COVID-19 pandemic.

Methods: A descriptive quantitative research design was used in this study through survey questionnaire form.

Results: Results of the study indicated that the level of practices/acceptability of pharmaceutical services delivered by community pharmacies based on cost, drug supplies, dispensing/counseling services, human resources and pharmacy extended services was found to be between on high and very high. For the community pharmacies pharmaceutical service provider, the result shows 3.50, 3.61, 3.55, 3.56, and 2.70 respectively. For the customers, the result shows 3.38, 3.42, 3.47, 3.44, and 3.20 respectively. For the significant relationship in the demographic profile of community pharmacies' service provider and customers and the level of acceptability of the community pharmacies' services, in terms of age, current position, working of hours and years of work experience, results revealed that there is no significant relationship. In testing the significant difference in the level of acceptability on community pharmacies' services of customers and pharmacy extended services. In human resources, according to NBC News, staff shortages is the main issue that community pharmacies are facing since the start of pandemic. This means that they should work on managing and organizing their working staff members who are

GSJ© 2023 www.globalscientificjournal.com currently employed by community pharmacies to complete all tasks without errors and delays. On a similar note, pharmacy extended services has a significant difference in the level of acceptability on their offered community pharmacies' services. It implies that community pharmacies should provide their customers with extra services that will benefit them and improve their patients' health. On the other hand, the cost, drug supplies and dispensing/counseling services has no significant difference because in cost, the DOH implements the Maximum Drug Retail Price and the Cheaper Medicine Act, the cost of medications in community pharmacies is regulated and controlled. For the drug supplies, all drug suppliers or distributors behave the same and for the dispensing/counseling services, all community pharmacies follow Republic Act No. 10918 or Pharmacy Law, which mandates that all medication dispensed by a pharmacist must be thoroughly explained to patients for improved health outcomes and to help them complete their treatment program.

Conclusion: This research was conducted to identify the level of acceptability of the community pharmacies' pharmaceutical services in Koronadal City, South Cotabato during the COVID-19 pandemic. The study enables the researcher to determine the level of acceptability of the pharmaceutical services based on the community pharmacies pharmaceutical service providers and the customers, and also to identify what is the significant relationship of the community pharmacies pharmaceutical service providers' demographic profile on the pharmaceutical services they offered amidst the COVID-19 pandemic. In conclusion, the level of acceptability on the offered pharmaceutical services in the community pharmacies in Koronadal City, South Cotabato has a descriptive equivalent between high and very high, which means that the gathered data based on the overall results, claim that the pharmaceutical services offered by the Community pharmacies in Koronadal City, South Cotabato are highly acceptable. In addition, the age of the community pharmacies pharmaceutical service provider significantly influences on ensuring the drug supplies in the community pharmacy while their years of current employment has a significant relationship on ensuring justifiable costs of medicine, drug supplies, drug counseling / dispensing and human resources.

Keywords: COVID-19, Community Pharmacies, Pharmaceutical Services

INTRODUCTION

In December 2019, the coronavirus started and everything changed (WHO, 2020) Working in the office becomes work from home, online learning platforms is being used to deliver education, social distancing is a must, and wearing of face mask and face shield is becoming a new part of an everyday outfit. With the changes that had to happen since the outbreak of COVID 19, many are affected, and the mortality and morbidity rate is increasing all over the globe.

Pharmaceutical Services include the acquisition, dispensing, distribution, storage,

and management of all pharmaceuticals used in the facility, as well as the monitoring of patient drug therapy to improve quality of life. The dispensing method is part of the pharmaceutical service providing, according to Bobbins et al., 2020.

COVID-19 affects us all, including community pharmacy services. According to Zaidi et al., 2020, the COVID-19 epidemic affects pharmaceutical services by challenging community pharmacists' personal safety and pharmacy service delivery. Inappropriate patient and caregiver behavior must be addressed immediately to protect community pharmacists.

Thus, the researchers chose to study and aim to identify if there are any changes and what is the level of acceptability when it comes to the Pharmaceutical Services offered by the Community Pharmacies in Koronadal City, South Cotabato during the COVID-19 pandemic.

MATERIALS AND METHODS

A descriptive quantitative type of research design was used for this study. The researchers used a survey questionnaire to collect the data and it includes the distribution of the survey questionnaire to the selected community pharmacies in Koronadal City, South Cotabato. The sample size has a total of 395 respondents and the participants who were unable, unwilling and does not meet or qualified on the provided inclusion criteria were excluded from the study.

Sampling and Sample Size

The sample size has a total of 395 respondents consisting of fifty (50) community pharmacies pharmaceutical service providers and three hundred fortyfive (345) selected customers from the selected barangays near the location of chosen community pharmacies.

The sample size was based on the total number of population listed in the six (6) selected barangays, emphasizing the highest number among them given by the population office of the different selected barangays in Koronadal City, South Cotabato, with a total of 3,022 population. This was determined by using an online sample size calculation, Raosoft

(http://www.raosoft.com/samplesize.html).

The sample size is 341 with a response rate of 95% and a margin error of 5%.

Survey Instrument

The researchers used a self-made questionnaire after thoroughly reviewing the literature on the Community Pharmacies in Koronadal City, South Cotabato. The survey questionnaire is used to gather information about the Pharmaceutical services offered by the Community Pharmacies during the COVID-19 pandemic in Koronadal City, South Cotabato.

To collect data from the participants, the researchers conducted a survey using a questionnaire. The rating scale of the questionnaire used the four-point Likert scale with responses to choices ranging from 4 which means Strongly Agree; 3 as Somewhat Agree; 2 as Somewhat Disagree; and 1 as Strongly Disagree that has a description equivalent that is based on the Results-based Performance Management System implemented by the Civil Service under Memorandum Commission the Circular No. 6 series of 2012.

Data Analysis

The researchers utilized the F-test to determine if there is a significant relationship between the demographic profile of the customers and community pharmacies' service providers on the level of acceptability in terms of the pharmaceutical services they offered in the community pharmacies during the COVID-19 pandemic in Koronadal City, South Cotabato. Furthermore, a T-test was also used to determine if there is a significant difference between the level of acceptability of the customers and community pharmacies' service providers in terms of the Pharmaceutical services they offered in the community pharmacies during the COVID-19 pandemic in Koronadal City, South Cotabato.

For interpretation of the mean responses, the following 4-point rating scale was used to determine the degree of service and performance assessment of the Community Pharmacies in Koronadal City, South Cotabato, on its Pharmaceutical Services during the COVID-19 pandemic.

Current	Pharmac	21	42.0
Position	ist		
	Pharmac	1	2.0
	is/Owner		
	Pharmac	1	2.0
	y Aide		
	Pharmac	23	46.0
	У		
	sssistant		
	Pharmac	1	2.0
	y		
	assistant/		
	Owner		
	Pharmac	2	4.0
	y Owner		
	Pharmac	1	2.0
	у		
	technicia		
	n		
Working Hours	3 hours	1	2.0
	5-8	36	72.0
	hours		
	9 hours	13	26.0
	and		
	above		
Years of	1-3 years	34	68.0
Purchasing	4-6 years	2	4.0
Pharmaceutical	7-9 years	3	6.0
Products and	10-12	6	12.0
Services	years		
	13 years	5	10.0
	and		
	above		

RESULTS

Table 1.0 Demographic Profile of theCommunity Pharmacies' Service Provider

				ucove
Profile	Categor	F	%	Overall data in table 2.0 showed that most of
	У		Distribution	the respondents were 21-30 years old
Age	21-30	34	68.0	(68,0%) working as pharmagists and
	years old			(00.0%), working as pharmacists and
	31-40	7	14.0	pharmacy assistants, constituting 42.0% and
	vears old	-		46.0% of the respondents, respectively.
	41-50	4	8.0	Meanwhile, the majority of them worked for
	years old			5-8 hours in community pharmacy with 1-3
	51-60	1	2.0	years of working experience (68.0%). The
	years old			demographic profile was essential in this
	61 years	4	8.0	study since it determines if it significantly
	and older			influences the pharmaceutical services
				minuclices the phannaceutical services

delivered	by	pharmacists	to
patients/cust	omers.		

study since it is used to determine if it

significantly influences the community

Table 1.1 Demographic Profile of Community Pharmacies' Customers

pharmacies' providers' service pharmaceutical services.

Table 2.0 Overall Mean Level of Acceptability Based on Community **Pharmacies' Service Provider**

Profile	Category	F	%			
			Distribution	Cost	Mea	Descriptio
Age	21-30	141	41.0		n	n
	years old			1. The medicines in my		Strongly
	31-40	77	22.0	pharmacy adhere to the	3.68	Agree
	years old			suggested retail price of		
	41-50	60	18.0	the Department of		
	years old			Health.		Cture as a las
	51-60	18	5.0	2. My pharmacy offers	3 70	Strongly
	years old			products to customers	5.70	Agree
	61 years	49	14.0	3 My pharmacy		Strongly
	and older			offers promo-product	3.20	Agree
Gender	Male	145	42.0	deals of medicine to		1.181.00
	Female	200	58.0	customers (<i>e.g.</i>		
Marital	Single	155	45.0	Revicon $8+2$,		
Status	Married	161	47.0	Enervon $8 + 2$)		
	Widowed	29	8.0	4. My pharmacy gives		Strongly
	/Separate		0.0	discounts to Senior	3.86	Agree
	d			Citizens and PWD		
Years of	1-3 years	37	11.0	Customers.		Strongly
Purchasing	4-6 years	47	14.0	a special promo deals	3.04	
Pharmaceutic	7-9 years	95	27.0	on special occasions	5.01	rigice
al Products	10-12	21	60	on OTC medicines		
and Services	vears		0.0	e.g. Establishment		
	13 years	145	42.0	Anniversary)		
	and	1.0		Overall mean	3.50	Strongly
	above					Agree
Overall data in ta	ble 2.1 show	ed tha	t most of	Drug Supplies		
the respondents	were femal	e (58)	0%) and	1. There is enough	3.14	Strongly
hetween 21.20		c (30.)	(41.00/)	drug supplies in my		Agree
between 21-50	years	ola	(41.0%).	pliannacy for our		
Meanwhile, mo	st of then	n are	already	2 My pharmacy	3 78	Strongly
married, with a p	ercent distrib	oution	of 47.0%	conducts monthly	5.70	Agree
with 13 years	and above	ve pu	irchasing	inventory and run		8
pharmaceutical r	products and	l servi	ces from	report of nearby expiry		
community phar	macies. The	e dem	ographic	medicines for		
profile was an e	essential con	nonen	t in this	monitoring.		
prome was all c	osennar con	uponen	ii iii uiis	0.01 66 /	0.70	1 0, 1

3. Orders of fast-

moving medicines to

suppliers is prioritized

3.72

Strongly

Agree

to meet our customer's		
demand.		
4.My pharmacy	3.70	Strongly
maintains adequate		Agree
supply of medicine of		
prescription drugs		
(hypertension, diabetes		
etc)		
5. All medicine	3.72	Strongly
supplies are monitored		Agree
including the right		_
temperature control.		
Overall mean	3.61	Strongly
		Agree
Dispensing/Counselin		
g Services		
1. The pharmacists	3.62	Strongly
counsel patients before		Agree
dispensing.		
2. Counseling area is	3.32	Strongly
available at the		Agree
Pharmacy with proper		_
protocol.		
3. The pharmacy	3.62	Strongly
personnel follows		Agree
designated area for		-
dispensing with plastic		
cover.		
4. The pharmacy	3.70	Strongly
personnel always		Agree
check the correct		_
medication and expiry		
date before dispensing.		
5. The Pharmacist	3.48	Strongly
counsel the patient on		Agree
lifestyle modification		
(exercises, diet, quit		
smoking, mental		
health)		
Overall mean	3.55	Strongly
		Agree
Human Resources		
1. There are enough	3.50	Strongly
staff working for the		Agree
Pharmacy Services.		
2. The work load is	3.46	Strongly
equally distributed to		Agree
all pharmacy staff.		
3. Pharmacy staff	3.64	Strongly
knows their job		Agree

responsibilities in the		
Pharmacy Services		
according to the IATF		
protocol.		
4. Customers' inquiries	3.50	Strongly
are being attended		Agree
without delay.		C
5. Concerns and	3.68	Strongly
complaints are being		Agree
addressed well in a		C
professional manner.		
Overall mean	3.56	Strongly
		Agree
Pharmacy Extended Se	rvices	
1. Blood glucose	2.14	Somewhat
monitoring and free		Agree
blood pressure are		C
offered at my		
pharmacy.		
2. My pharmacy	3.24	Strongly
extended hours of		Agree
services to cater more		_
consumers.		
3. My pharmacy	2.90	Somewhat
provides counseling		Agree
for lifestyle		_
modifications,		
smoking cessation		
program, mental		
health, etc.		
4. My Pharmacy	2.82	Somewhat
provides COVID-19		Agree
information in a poster,		
leaflet, video etc		
format.		
5. My pharmacy	2.42	Somewhat
provides telepharmacy		Agree
services and delivery.		
Overall mean	2.70	Strongly

Results of the study indicated that the level of acceptability of pharmaceutical services delivered by the community pharmacy was found to be strongly agreed in terms of Costs, with an overall mean of 3.50. In terms of drug supplies, results showed a mean value of 3.61 and were described as strongly agree. Meanwhile, in terms of counseling services, the community pharmacies have provided an

overall mean value of 3.55 and are described as strongly agreeing. Regarding human resources, the results have shown an overall mean value of 3.56 and are described as strongly agree. On the other hand, in terms of extended pharmacy services, the overall mean value was found at 2.70 and described as somewhat agree.

Table 2.1 Overall Mean Level ofAcceptability Based on CommunityPharmacies' Customer

Cost	Mea	Descriptio
	n	n
1. The medicines in		Strongly
pharmacy adhere to the	3.30	Agree
suggested retail price of		
the Department of		
Health.		
2. The pharmacy offers		Strongly
low-cost generic	3.37	Agree
products to customers.		
3. The pharmacy		Strongly
offers promo-product	3.38	Agree
deals of medicine to		_
customers (<i>e.g.</i>		
Revicon $8 + 2$,		
<i>Enervon</i> $8 + 2$)		
4. The pharmacy gives		Strongly
discounts to Senior	3.51	Agree
Citizens and PWD		-
customers.		
5. The pharmacy offers		Strongly
a special promo deals	3.35	Agree
on special occasions		_
on OTC medicines		
(e.g. Establishment		
Anniversary)		
Overall mean	3.38	Strongly
		Agree
Drug Supplies		
1. There is enough	3.37	Strongly
drug supplies in		Agree
pharmacy for		
patient/consumers.		
2. The pharmacy	3.44	Strongly
conducts monthly		Agree

inventory and run		
report of nearby expiry		
medicines for		
monitoring.	2.27	G (1
3. Orders of fast-	3.37	Strongly
moving medicines to		Agree
suppliers is prioritized		
to meet the customer's		
demand.		~
4. The pharmacy	3.41	Strongly
maintains adequate		Agree
supply of medicine of		
prescription drugs		
(hypertension, diabetes		
etc)		
5. All medicine	3.72	Strongly
supplies are monitored		Agree
including the right		
temperature control.		
Overall mean	3.42	Strongly
		Agree
Dispensing/Counselin		
g Services		
1. The pharmacists	3.44	Strongly
counsel patients before		Agree
dispensing.		
2. Counseling area is	3.36	Strongly
available at the		Agree
Pharmacy with proper		-
protocol.		
3. The pharmacy	3.48	Strongly
personnel follows		Agree
designated area for		-
dispensing with plastic		
cover.		
4. The pharmacy	3.65	Strongly
personnel always		Agree
check the correct		Ũ
medication and expiry		
date before dispensing.		
5. The Pharmacist	3.42	Strongly
counsel the patient on		Agree
lifestyle modification		
(exercises, diet, quit		
smoking, mental		
health)		
Overall mean	3.47	Strongly
		Agree
Human Resources	1	

1. There are enough	3.39	Strongly
staff working for the		Agree
Pharmacy Services.		
2. The work load is	3.39	Strongly
equally distributed to		Agree
all pharmacy staff.		C .
3. Pharmacy staff	3.55	Strongly
knows their job		Agree
responsibilities in the		e
Pharmacy Services		
according to the IATF		
protocol.		
4. Customers' inquiries	3.41	Strongly
are being attended		Agree
without delay.		8
5. Concerns and	3.45	Strongly
complaints are being	2.15	Agree
addressed well in a		rigice
professional manner		
Overall mean	3 11	Strongly
Over all incall	3.44	Agree
	•	Agree
Pharmacy Extended Se	ervices	-
1. Blood glucose	3.21	Strongly
monitoring and free		Agree
blood pressure are		
offered at pharmacy.		
2. The pharmacy	3.30	Strongly
extend hours of		Agree
services to cater more		
consumers.		
3. The pharmacy	3.12	Strongly
provides counseling		Agree
for lifestyle		
modifications,		
smoking cessation		
program, mental		
health, etc.		
4. My Pharmacy	3.35	Strongly
provides COVID-19		Agree
information in a poster,		
leaflet, video etc		
format.		
5. My pharmacy	3.03	Strongly
provides telepharmacy		A
r strate trop in a trate y		Agree
services and deliverv.		Agree
services and delivery. Overall mean	3.20	Agree
services and delivery. Overall mean	3.20	Agree Strongly Agree

Overall results on the level of acceptability of the community pharmacies' services in terms of cost have an overall mean of 3.38 and are described as strongly agree and in terms of drug supplies, it has an overall mean of 3.42 and is described as strongly agree. For dispensing/counseling services, the result shows an overall mean of 3.47 and is described as strongly agreed. Regarding human resources, it shows an overall mean of 3.44 and is described as strongly agree and in the extended pharmacy services, it has an overall mean of 3.20 and described as strongly agree.

Table3.0TestingtheSignificantRelationship in the demographic profile of
Community Pharmacies' Service Provider
and
Level of Acceptability of the
Community Pharmacies' Services

Test		F-	Р-	Deci	Rem
Vari		valu	va	sion	arks
ables		e	lu		
			e		
Age	Cost	1465 .68	0.1 39	Acce pt the null hypot hesis	Not signif icant
	Drug Suppl ies	2616 .28	0.4 38	Acce pt the null hypot hesis	Not signif icant
	Dispe nsing and Couns eling Servic es	8192 .71	0.4 47	Acce pt the null hypot hesis	Not signif icant
	Huma n Resou rces	1946 2.02	0.7 92	Acce pt the null hypot hesis	Not signif icant
	Phar macy Exten ded	1000 .11	0.2 99	Acce pt the null	Not signif icant

	Servic			hypot	
	es			hesis	
	Cost	1023 .20	0.2 86	Acce pt the null hypot hesis	Not signif icant
	Drug Suppl ies	1826 .43	0.8 98	Acce pt the null hypot hesis	Not signif icant
	Dispe nsing and Couns eling Servic es	5719 .36	0.9 17	Acce pt the null hypot hesis	Not signif icant
	Huma n Resou rces	1358 6.5	0.1 62	Acce pt the null hypot hesis	Not signif icant
	Phar macy Exten ded Servic es	698. 18	0.6 13	Acce pt the null hypot hesis	Not signif icant
Work ing Hours	Cost	2.28 7	0.1 43	Acce pt the null hypot hesis	Not signif icant
	Drug Suppl ies	4.08	0.3 59	Acce pt the null hypot hesis	Not signif icant
	Dispe nsing and Couns eling Servic es	12.7 88	0.3 66	Acce pt the null hypot hesis	Not signif icant
	Huma n	3.07 9	0.6 49	Acce pt the null	Not signif icant

	Resou rces			hypot hesis	
	Phar macy Exten ded Servic es	1.56 1	0.2 45	Acce pt the null hypot hesis	Not signif icant
Years of Exper ience	Cost	2.15 7	0.5 31	Acce pt the null hypot hesis	Not signif icant
	Drug Suppl ies	0.19 3	0.1 27	Acce pt the null hypot hesis	Not signif icant
	Dispe nsing and Couns eling Servic es	1.55 9	0.4 62	Acce pt the null hypot hesis	Not signif icant
	Huma n Resou rces	1.34 1	0.6 78	Acce pt the null hypot hesis	Not signif icant
	Phar macy Exten ded Servic es	2.25 4	0.1 90	Acce pt the null hypot hesis	Not signif icant

As supported by the computed F-value and pvalue, which are all greater than $\alpha = 0.05$ (p-value> α), do not reject the null hypothesis. This implies that there is no significant relationship between the demographic profile in terms of the age, current position, working hours and years of experience of the Community Pharmacies Pharmaceutical Service Providers and the acceptability of the community pharmacies' pharmaceutical services in Koronadal City, South Cotabato. Table3.1TestingtheSignificantRelationship in the demographic profile of
Community Pharmacies' Customer and
Level of Acceptability of the Community
Pharmacies' Services

Test		F-	P-	Decis	Rem
Variabl		va	va	ion	arks
es		lu	lu		
		e	e		
Age	Cost	6.8	0.7	Acce	Not
		89	1	pt the	signif
				null	icant
				hypot	
				hesis	
	Drug	0.7	0.6	Acce	Not
	Suppl	43	1	pt the	signif
	ies			null	icant
				hypot	
		~ -	~ -	hesis	
	Dispe	0.5	0.7	Acce	Not
	nsing	71	0	pt the	signit
	and			null	icant
	Couns			hypot	
	eling			hesis	
	Servic				
	es Lluma	0.1	0.0	A	Nat
	numa	0.1	0.9	Acce nt the	Not
	II Docou	12	4	pt the	icont
	resou			hunot	Icant
	ices			hesis	
	Phar	0.4	0.7	Acce	Not
	macy	17	6	nt the	signif
	Exten	17	0	null	icant
	ded			hypot	louin
	Servic			hesis	
	es			nesis	
Sex	Cost	4.0	0.9	Acce	Not
		13	66	pt the	signif
				null	icant
				hypot	
				hesis	
	Drug	2.5	0.3	Acce	Not
	Suppl	59	93	pt the	signif
	ies			null	icant
				hypot	
				hesis	

	Dispe nsing and Couns eling Servic es Huma	3.9 34 0.1	0.3 78 0.5	Acce pt the null hypot hesis Acce	Not signif icant Not
	n Resou rces	29	36	pt the null hypot hesis	signif icant
	Phar macy Exten ded Servic es	1.1 22	0.7 55	Acce pt the null hypot hesis	Not signif icant
Marital Status	Cost	6.9 44	0.4 77	Acce pt the null hypot hesis	Not signif icant
	Drug Suppl ies	1.4 35	0.1 94	Acce pt the null hypot hesis	Not signif icant
	Dispe nsing and Couns eling Servic es	1.8 66	0.4 63	Acce pt the null hypot hesis	Not signif icant
	Huma n Resou rces	1.2 29	0.6 47	Acce pt the null hypot hesis	Not signif icant
	Phar macy Exten ded Servic es	3.7 31	0.6 94	Acce pt the null hypot hesis	Not signif icant
Years of Purchasi ng	Cost	0.4 57	0.5 15	Acce pt the null	Not signif icant

Pharma				hypot	
ceutical				hesis	
Product	Drug	1.9	0.2	Acce	Not
s and	Suppl	73	70	pt the	signif
Services	ies			null	icant
				hypot	
				hesis	
	Dispe	0.5	0.4	Acce	Not
	nsing	59	68	pt the	signif
	and			null	icant
	Couns			hypot	
	eling			hesis	
	Servic				
	es				
	Huma	1.4	0.3	Acce	Not
	n	41	36	pt the	signif
	Resou			null	icant
	rces			hypot	
				hesis	
	Phar	2.1	0.1	Acce	Not
	macy	04	06	pt the	signif
	Exten			null	icant
	ded			hypot	
	Servic			hesis	
	es				

As supported by the computed F-value and pvalue, which are all greater than $\alpha = 0.05$ (pvalue> α), do not reject the null hypothesis. This implies that there is no significant relationship exists between the demographic profile regarding the age, sex, marital status, and years of purchasing pharmaceutical products and services in the Community Pharmacies Customers and the level of acceptability of the community pharmacies' pharmaceutical services in Koronadal City, South Cotabato.

4.0 Testing the Significant difference in the level of acceptability on Community Pharmacies' Services of the Customers and Community Pharmacies' Services

Variables	Comp	P-	Decis	Rema
	uted	val	ion	rks
	t-	ue		
	value			
Cost	0.702	0.5 22	Acce pted the null hypot hesis	Not signifi cant
Drug Supplies	1.558	0.1 94	Acce pted the null hypot hesis	Not signifi cant
Dispensing/c ounseling services	0.939	0.3 79	Acce pted the null hypot hesis	Not signifi cant
Human Resources	2.230	0.0 30	Rejec t the null hypot hesis	Signif icant
Pharmacy Extended Services	-2.481	0.0 28	Rejec t the null hypot hesis	Signif icant

The statistical analysis results revealed that the overall data gathered from the community pharmacies' service providers and customers significantly differ in the level of acceptability of their offered community pharmacies' services in terms of their Human Resources and Pharmacy Extended Services (p<0.05). On the other hand, the cost, drug supplies and dispensing/counseling services has no significant difference in the level of acceptability on community pharmacies' services of the customers and community pharmacies' services.

DISCUSSION

In the demographic profile, we have gathered a result which, showed that the majority of the respondents were 21-30 years old(68.0%), working as pharmacists and pharmacy assistants which constitute 42.0%. and 46.0% of the respondents, respectively. Meanwhile, the majority of them have worked for 5-8 hours in community pharmacy with 1-3 years of working experience (68.0%). The determine of the demographic profile was an essential component in this study since it is use to determine if it significantly influence the services pharmaceutical delivered by pharmacists in-charge to its patients/customers. And showed that the majority of the respondents were Female (58.0%) and in between 21-30 years old (41.0%). Meanwhile, the majority of them already married with a percent are distribution of 47.0% with a 13 years and above of purchasing pharmaceutical products and services from the community pharmacies. The determine of the demographic profile was an essential component in this study since it is used to determine if it significantly influence the pharmaceutical services offered by the Community Pharmacies' Service Provider.

Results of the study indicated that the level of acceptability of pharmaceutical services delivered by the community pharmacy was found to be strongly agree in terms of Costs with an overall mean of 3.50. This means that pharmacies are following the DOH suggested retail price on medicines and offers deals that can benefit the customers. This agrees to the study of Saiyarsari *et. Al* 2020, stating that

the effect of the COVID-19 pandemic in terms of Pharmaceutical Services does not affect the cost of the product, changes and development process, but on the approval delays, and the changes on the trend on health-market product. This also shows that the Community Pharmacies in Koronadal City, South Cotabato adheres to the Republic Act 7581 or commonly known as the Price Act and Republic Act No. 9502 or known as the Universally Accessible Cheaper and Quality Medicines Act of 2008 that ensures quality and reasonable prices for the customers of any basic necessities or prime commodities. In terms of drug supplies, results showed a mean value of 3.61 and described as strongly agree. This means that Community Pharmacies have ensured that there are sufficient drug supplies during the COVID-19 pandemic. Accordingly, during the pandemic, the public mostly rely on community pharmacies to get adequate supply of their daily medications and COVID-19 preventative products (e.g. masks. alcohol-based hand rubs). Community pharmacies in this case have kept appropriate stocks of pharmaceutical products to supply the demand. The results have confirmed the statement of the Department of Health in a press release in April 2021, in which they have assured that the supplies of medicines and as well as Personal Protective Equipment, Sanitation and Hygiene especially on these time of pandemic, are enough and the continuous distribution in the country will not stop to assure the safety of all people. On the other hand, the expanding roles of Community Pharmacies have led to the establishment of "Pharmacy emergency support guarantee system" that is according to the Chinese health workers and officials, which aims to implement strategies and mechanisms that cope with drug shortages through active surveillance and ensuring drug emergency supply and distribution during the COVID-

19 pandemic (Liu et. Al, 2020). Meanwhile, in terms of counseling services, the community pharmacies have provided an overall mean value of 3.55 and described as strongly agree. This means that pharmacy personnel always check the correct medication and expiry date and gives counseling before dispensing the medicine. According to Smith et, al (2020), that a clear patient education and counseling is essential to support medication use and prevent drug related problems since the Community Pharmacies are medication experts who plays an important role in the provision of pharmaceutical care. In addition, according to Rogers 2019, Pharmaceutical Service Providers, especially the Pharmacists, are obligated to devote more time on patient care including comprehensive patient counseling and education to ensure that the patients comprehend how to take their medications and adhere to their medication regimens. In terms of human resource, the results have shown an overall mean value of 3.56 and described as strongly agree This means that there is enough number of pharmacy staff and they know their job responsibilities in the Pharmacy Services and customers are attended on time. According to Velez, et.al (2019). Human Resources are the present focus of attention in health care systems because high workload may place the pharmaceutical service providers under work pressure that can influence on the pharmaceutical services they offer to the community. Considering the continuous progression in the health care system, community pharmacies has increased responsibility on their duties and task which basically translated to increment of workload but since the pandemic happen, there are protocols advising workers to work from home and some are on 50% capacity only (DOH, 2021). On the other hand, in terms of pharmacy extended services, the overall mean value was found at 2.70 and described

as somewhat agree. This means that some pharmacies extend time to cater additional services such as blood glucose and blood pressure monitoring for free. This result is emphasizing the study of Mugo et. Al, 2020 stating that amidst the COVID-19 pandemic, the provision of extended pharmacy services in a community pharmacy has increased in recent years. It shows that even the COVID-19 pandemic strikes, the continuous offering of extended services by the Community Pharmacies are still being performed by the Community Pharmacies Pharmaceutical Service Provider with proper interventions to deliver quality health care to the community. Meanwhile, in the significant relationship in the demographic profile and acceptability on pharmacies pharmaceutical community services in Koronadal City, South Cotabato in terms of cost, drug supplies, dispensing and counseling services, human resources, and pharmacy extended services, we have identified two pharmaceutical services that significant influence a in has the demographic profile of the community pharmacies pharmaceutical service providers. The results of the data revealed that the age of the pharmaceutical service providers may significantly influence the level of practices in terms of ensuring the drug supplies in the community pharmacy. The other theme is the years of current employment, there is а significant relationship between ensuring justifiable costs of medicine, drug supplies, drug counseling/dispensing and human resources. The result has proven the study of Chiara 2019, that the role of pharmacists are expanding through time, so the longer a pharmaceutical service provider works for a company, the easier it is to deliver and offer services according to the needs of the individual patients.

Recommendation

In line with the findings of the study, the following recommendations are offered as

follows: For the Department of Health: Implement educational campaigns such as infographics, advertisements and placards about different programs (e.g. smoking program, alcohol cessation cessation program, mental health program, etc.). and Plan for expansion on the different pharmacy extended services. For the Food and Drug Administration: Conduct further discussions and disseminate information such as webinars that discuss proper handling, storage and transportations of different medicines for longer shelf life in the community pharmacies. For the Students, Teachers and Academe: Expand the knowledge of the students about different available programs offered by Community Pharmacies for faster dissemination of information. To the future researchers: Engage in further researches, such as identifying different variables that can have an impact in the pharmaceutical services of the different community pharmacies, Engage in further researches, such as including the demographic profile of the customers as the respondent, and Further study and identify of community pharmacies the level pharmaceutical services on different places or areas to have more insights regarding this topic (National and International).

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