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Table 1: Sociodemographic and socioeconomic characteristics of the participants

Factor	Number	(%)
Gender		
	339	75
Male	111	25
Female		
Age		
20-30	298	66
31-40	132	29
41-50	17	4
51-60	3	1
>60		
Pharmacy type		
Independent pharmacy	377	84
Pharmacy chain	73	16
Your experience as community pharmacist (duration)		
Less than 6 months	51	11
6 months to 1 year	48	10
1 year to less than 3 years	115	26
3 years to less than 6 years	125	28
6 years to less than 12 years	80	18
More than 12 years	31	7
Job status		
Employer/Manager	110	24
Employee	340	76
Educational Level (highest)		
Bachelor	408	90.7
PharmD	40	8.9
Masters	1	0.2
PhD	1	0.2
Approximate number of patients seen per day in the pharmacy		
<10	49	11
10-50	214	48
51-100	120	27
>100	67	15
Working hours per week		
1-16 hours per week	25	6
17-31 hours per week	63	14
32-40 hours per week	92	20
More than 40 hours per week	270	60
The geographic location of practice		
Rural	9	2
Urban	441	98

Table 2: Knowledge of the CPs concerning PV

Item	Number	%
PV is:		
The science of Adverse Drug Reaction reporting	103	23
The science of understanding the safety of drugs	97	20
The detection, assessment, understanding, and prevention	151	36
The science of identifying predisposing risk factors related to ADR	99	21
The purpose of PV is/are to:		
Improve public health and safety in relation to the use of medicines	187	41
Improve patient care and safety in relation to the use of medicines	121	27
Assess the benefit, harm, effectiveness, and risk of medicines in Phase 4 Clinical Studies	139	32
Adverse drug reaction (ADR) is:		
The noxious, unintended, response to a drug	155	35
The untoward medical occurrence in a patient administered a pharmaceutical product	98	22
The serious side effect of a medicinal product	151	33
The adverse event of a drug due to its use outside the terms of marketing authorization	45	10
Do you think ADR is related to:		
OTC drugs	225	50
Herbal drugs	11	2.4
Vaccines	11	2.4
Blood products	25	6
All of the above	178	39
Do you think that an ADR could be due to:		
drug-drug interactions	308	68
drug-food interactions	16	4
drug exercise	123	28

Table 3: Attitudes of the CPs regarding PV

Item	Number	%
Have you ever come across an ADR?		
Yes	284	62
No	106	24
Neutral/do not know/does not apply	59	14
In your opinion, is the pharmacist in charge of reporting an ADR?		
Yes	393	87
No	57	13
Do you think ADR reporting should be a compulsory activity for you?		
Yes	389	87
No	41	9
Neutral/do not know/does not apply	20	4
Who among the listed is/are responsible for reporting an ADR? (Multiple answers possible)		
Physician	294	65
Pharmacist	377	84
Patient	197	44
Family	0	0
None of the above	16	4
What are the sources of information that you usually use? (Multiple answers possible)		
Internet sites	239	53
Electronic reference	84	19
Book	184	41
Medical journals	65	14
Companies	45	10
Drug information centers	86	19
Drug information leaflets	285	63
What might be the challenge(s) for you to report an ADR? (Multiple answers possible)		
I do not know how to report an ADR	161	36
Time constraints/workplace pressure, Difficulty to judge about the occurrence of ADR	193	43
Need for training, lectures to better define an ADR	237	53
In your opinion, what is/are the organizations in Yemen that should promote pharmacovigilance Practice? (multiple answers possible)		
Supreme Board of drug and medical appliance	360	80
Ministry of Public Health	274	61
Academic Institutions	76	17
Health Care Institutions	129	29

Table 4: ADR reporting in the workplace (practice)

Item	Number	%
Did you observe any ADR cases in your practice?		
Yes	222	49
No	166	37
Not true	58	14
If yes, then to whom have you reported		
HOD of your institute	55	25
Drug manufacture	19	9
Government of Yemen	4	2
SBMDA	28	13
Other	127	58
Is ADR reporting form available at your workplace?		
Yes	49	11
No	377	84
Not sure	24	5
Does your workplace provide information regarding the proceed?		
Yes	93	21
No	309	69
Not sure	48	10
Do you feel that you are adequately trained in ADR reporting?		
Yes	96	21
No	254	57
Not sure	97	22
Does your workplace encourage you to report an ADR?		
Yes	214	48
No	191	42
Not sure	45	10
Which of the problems do you face while reporting ADRs in your work place?		
Lack of information provided by the patient	256	57
Pharmacist doesn't have enough time	134	30
Unaware of the existence of a national ADR reporting system	89	20
Unaware of the need to report an ADR	71	16
ADR reporting in Yemen is not widely promoted by relevant authorities	266	59
Fear of facing legal problems	89	20
Others	88	20

Table 5: Patient safety and response to mistakes

Item	Number	%
When a mistake happens, we try to figure out what problems in the work process led to the mistake	290	64
This pharmacy helps staff learn from their mistakes rather than punishing them	244	54
When the same mistake keeps happening, we change the way we do	207	46
The way we do things in this pharmacy reflects a strong focus on patient safety	197	44
Mistakes have led to positive changes in this pharmacy	200	44
Staff feel like their mistakes are held against them	126	28
We look at staff actions and the way we do things to understand why mistakes happen in this pharmacy	116	26

Table 6: The future of ADR reporting in Yemen

Item	Number	%
Do you support “Direct ADR Reporting” by the patients instead of healthcare professionals?		
Yes	257	57
No	36	36
Not sure	35	7
Do you envisage role of information technology in facilitating ADR reporting in the country (such as use of internet, mobile service etc.)?		
Yes	346	80
No	40	8
Not sure	64	12
Do you think the relevant authority in Yemen should maintain an online program or website like other countries bearing records of the ADRs reported throughout the nation?		
Yes	364	81
No	38	8
Not sure	48	11
Do you think this online program/website should be freely accessible to everyone?		
Yes	232	52
No	165	37
Not sure	63	11
Should information regarding the procedure of reporting ADRs be provided compulsorily to pharmacists at their workplace?		
Yes	338	75
No	61	14
Not sure	51	11

Table 7: Benefits of reporting ADRs

Item	Number	%
Reporting ADRs causes inconvenience in the working environment?		
Yes	100	22
No	299	66
Not sure	51	12
Do you believe reporting ADRs will improve patient safety?		
Yes	401	89
No	18	4
Not sure	31	7
Do you believe reporting ADRs is an effort by health institutions to indicate provision of quality care to the patients?		
Yes	346	77
No	38	8
Not sure	66	15