Assessment of Community Pharmacists' Knowledge, Attitude, and Practice Toward Counseling Hypertensive Patients in the United Arab Emirates
Data collection form

General Demographics

Please, tick the relevant box for any option chosen or write in the space provided for additional answers.

1. Gender: Male/Female
2. Age (Years):
3. Education: Bachelors/ Masters/ Doctor of pharmacy
4. Type of employment: Full time/ Part time
5. Location of pharmacy: Abu Dhabi/ Dubai/ Sharjah/ Ajman/ Fujairah/ Ras Al Khaimah/ Umm Al Quwain
5. Total work experience (Years):
6. Average number of patients seen in a week:
7. Average number of patients counseled in a week:

Knowledge of community pharmacists

Please, tick the relevant box for any option chosen or write in the space provided for additional answers.

1. I have attended training and educational programs on the management of hypertension and have benefitted from them.

Strongly agree/ Agree/ Neither agree nor disagree/ Disagree/ Strongly disagree

2. I am familiar with the current clinical practice guidelines for the management of hypertension.

Strongly agree/ Agree/ Neither agree nor disagree/ Disagree/ Strongly disagree

3. I am familiar with the techniques and procedures of using a blood pressure monitoring device to measure blood pressure.

Strongly agree/ Agree/ Neither agree nor disagree/ Disagree/ Strongly disagree

4. Hypertension is diagnosed when the systolic blood pressure is ≥140 mmHg and/or the diastolic blood pressure is ≥90 mmHg.

True/ False/ I don't know

5. Unhealthy diet, physical inactivity, tobacco and alcohol use, and excess body weight are modifiable risk factors for hypertension.

True/ False/ I don't know

6. Myocardial infarction, cerebrovascular accident, and chronic kidney disease are complications of uncontrolled hypertension.

True/ False/ I don't know

7. All patients with a diastolic pressure of ≥ 90 mm Hg, a systolic pressure of ≥ 140 mm Hg, or a combination of both should receive antihypertensive drug therapy.

True/ False/ I don't know

8. According to clinical guidelines such as JNC 8, thiazide-type diuretics (e.g., hydrochlorothiazide) are recommended as one of the first-line options for the treatment of uncomplicated hypertension.

True/ False/ I don't know

9. Routine monitoring of blood pressure is essential to assess therapeutic response and promote patient adherence.

True/ False/ I don't know

Attitude of community pharmacists

Please, tick the relevant box for any option chosen or write in the space provided for additional answers.

1. I think providing patient counselling and necessary information about antihypertensive medications is part of a community pharmacist's professional responsibility.

Strongly agree/ Agree/ Neither agree nor disagree/ Disagree/ Strongly disagree

2. While patient counselling is a key responsibility of community pharmacists, I believe more effort is needed to integrate it into daily practice.

Strongly agree/ Agree/ Neither agree nor disagree/ Disagree/ Strongly disagree

3. I believe that counselling by community pharmacists improves the patient-pharmacist relationship.

Strongly agree/ Agree/ Neither agree nor disagree/ Disagree/ Strongly disagree

4. I believe that by providing counselling, community pharmacists can ensure patients receive adequate and beneficial information about their medical conditions and medications.

Strongly agree/ Agree/ Neither agree nor disagree/ Disagree/ Strongly disagree

5. I believe that community pharmacist counselling plays an important role in ensuring patients' adherence to their antihypertensive medications.

Strongly agree/ Agree/ Neither agree nor disagree/ Disagree/ Strongly disagree

6. I believe providing counselling requires more knowledge and skill than a basic understanding or experience in pharmacy practice.

Strongly agree/ Agree/ Neither agree nor disagree/ Disagree/ Strongly disagree

7. I believe I have the knowledge and skills necessary to provide patient counselling.

Strongly agree/ Agree/ Neither agree nor disagree/ Disagree/ Strongly disagree

8. I am confident when counselling patients on hypertension and antihypertensive medications.

Strongly agree/ Agree/ Neither agree nor disagree/ Disagree/ Strongly disagree

9. I am willing to search for information I am unfamiliar with to address a patient's concerns.

Strongly agree/ Agree/ Neither agree nor disagree/ Disagree/ Strongly disagree

Practice of community pharmacists

Please, tick the relevant box for any option chosen or write in the space provided for additional answers.

1. How often do you counsel patients who come to fill up their hypertension prescriptions?

Always/ Often/ Sometimes/ Rarely/ Never

2. How often do you update your knowledge about hypertension and hypertensive medications, in a year?

Always/ Often/ Sometimes/ Rarely/ Never

3. How often do you provide a patient counseling session that is more than 5 minutes?

Always/ Often/ Sometimes/ Rarely/ Never

4. How often do you advise patients on the proper use of each medication?

Always/ Often/ Sometimes/ Rarely/ Never

5. How often do you counsel patients about the side effects of antihypertensive medication(s)?

Always/ Often/ Sometimes/ Rarely/ Never

6. How often do you check and counsel patients about the interactions of antihypertensive medication(s)?

Always/ Often/ Sometimes/ Rarely/ Never

7. How often do you counsel patients about the importance of adherence to antihypertensive medication(s)?

Always/ Often/ Sometimes/ Rarely/ Never

8. How often do you ask patients with hypertension about their blood pressure values and instruct them to seek medical attention, if needed?

Always/ Often/ Sometimes/ Rarely/ Never

9. How often does the personality and behaviour of patients influence your counselling practice?

Always/ Often/ Sometimes/ Rarely/ Never