

Trends in Drug information Education in Pharmacy Programs in the Gulf Cooperation Council (GCC) Countries

The purpose of this study is to characterize pharmacy program standards and trends in drug information education in first-professional degree pharmacy programs in countries of the Gulf Cooperation Council (GCC). The survey contains 33 questions addressing general demographic characteristics, organization, and content of drug information education and will take you approximately 15 - 20 minutes to complete. This study aims to describe the current status of drug information courses in first-professional degree pharmacy programs in the GCC via a web-based survey; which is of particular interest since GCC countries offer a variety of first-professional pharmacy degree programs. The survey will aim to compare general demographic characteristics and the organization and content of drug information didactic and experiential curricula in first-professional degree pharmacy programs within the GCC (BPharm, MPharm or PharmD). This will enable us to summarize data on the current status of drug information education and curricula content offered in all first-professional degree pharmacy programs in the region.

Please complete the survey below

Q1 Name of University:

Q2 Which country is your University located in?

- Kingdom of Bahrain (1)
- Kingdom of Saudi Arabia (2)
- Kuwait (4)
- Qatar (5)
- Sultanate of Oman (3)
- United Arab Emirates (6)

Q3 Which of the following title (s) describes your position? (Select all that apply)

- Assistant Professor (1)
- Associate Professor (2)
- Professor (3)
- Department Chair (4)
- Director, Drug Information Center (5)
- Drug Information Course Coordinator (6)
- Drug Information Instructor (7)
- Other (Specify) (8) _____

Q4 Which first degree pharmacy programs are offered at your institution? (Select all that apply)

- BPharm (1)
- MPharm (2)
- PharmD (3)
- Other (Specify) (4) _____

Q5 For how many years has your institution been offering a first degree pharmacy program?

- < 1 year (1)
- 1 year (2)
- 2 years (3)
- 3 years (4)
- 4 years (5)
- 5-9 years (6)
- >10 years (Specify) (7) _____

Q6 Does your program offer a didactic instruction in drug information? (Select all that apply)

- Yes, it is a separate course (1)
- Yes, it is integrated within another course (2)
- Yes, drug information concepts are integrated throughout the professional curriculum (3)
- A didactic drug information component is NOT currently offered (4)

If A didactic drug information... Is Selected, Then Skip To Is there a required or elective advan...

Q7 In which years of the program is the didactic drug information component offered? (Select all that apply)

- Pre-pharmacy years (1)
- Professional pharmacy 1 (2)
- Professional pharmacy 2 (3)
- Professional pharmacy 3 (4)
- Professional pharmacy 4 (5)
- After Professional Pharmacy 4 (7)
- Offered throughout entire professional curriculum (6)

Q8 What is the course title(s)? indicate how many classroom hours per week are devoted teaching (didactic) drug information concepts (If it offered in more than one course, then please write all that applies)

- Course 1: Title: hours/week (1) _____
- Course 2: Title: hours/week (6) _____
- Course 3: Title: hours/week (2) _____
- Course 4: Title: hours/week (3) _____
- Course 5: Title: hours/week (4) _____
- Course 6: Title: hours/week (5) _____

Q9 Is the drug information teaching (didactic) coursework a requirement in the program?

- Yes, it is required (1)
- No, it is an elective (2)
- It is taught both as a core and elective course (3)

Q10 Is there a required textbook or manual for the course?

- Yes (Specify) (1) _____
- No (2)

Q11 Is there a formal policy designed to reinforce drug information concepts through various assignments in other courses?

- Yes (1)
- No (2)

Q12 Is/are the primary drug information course instructor/s a full-time faculty member?

- Yes (1)
- NO (2)

If Yes (Skip to question # 18_) Is Selected, Then Skip To What is the formal training of the pr...

Q13 If the primary drug information instructor (s) is a guest lecturer or adjunct faculty member, what is his/her affiliation?

- Hospital (1)
- Pharmaceutical industry (2)
- Poison Control Centre (3)
- Other (Specify) (4) _____

Q14 What is the formal training of the primary didactic drug information course instructor(s)?
(Circle in all that apply)

- BS Pharmacy (1)
- Non-traditional PharmD (2)
- Entry-level PharmD (3)
- Post-baccalaureate PharmD (4)
- Drug information residency (5)
- Drug information fellowship (6)
- Other residency or fellowship (7)
- Other (Please specify) (8) _____

Q15 Is there a laboratory or recitation component in the drug information didactic course?

- Yes, 1 hour per week (1)
- Yes, 2 hours per week (2)
- Yes, 3 hours per week (3)
- Other (Please specify) (4) _____
- No (5)

Q16 Where is the laboratory or recitation primarily held?

- Drug Information Center (1)
- Laboratory (2)
- Classroom (3)
- Other (Specify) (4) _____

Q17 What is the average number of students in each laboratory or recitation section?

- 1 - 5 (1)
- 6 - 10 (2)
- 11 - 15 (3)
- 16 - 20 (4)
- 21 - 25 (5)
- 26 - 30 (6)
- 31 - 40 (7)
- > 40 (8)

Q18 How many facilitators are utilized for each laboratory or recitation section?

- None (1)
- 1 (2)
- 2 (3)
- 3 (4)
- 4 (5)
- 5 (6)
- > 6 (7)

Q19 Which activities are covered in the laboratory or recitation component? (Select all that apply)

- Answering questions (1)
- Monograph Preparation (2)
- Journal club (3)
- Research (4)
- Adverse Drug Reactions (5)
- Literature evaluation (6)
- Other, (Specify) (7) _____

Q21 Is there a required or elective drug information experiential rotation (advanced pharmacy practice experience)?

- Yes, it is required (1)
- Yes, it is elective (2)
- No (3)

If No (Skip to question #_32_) Is Selected, Then Skip To If no didactic drug information compo...

Q22 If Yes required, how many weeks long is the drug information experiential rotation?

- 2 (1)
- 3 (2)
- 4 (3)
- 5 (4)
- 6 (5)
- Other (Specify) (6) _____

Q23 If Yes elective, how many weeks long is the drug information experiential rotation?

- 2 (1)
- 3 (2)
- 4 (3)
- 5 (4)
- 6 (5)
- Other (Specify) (6) _____

Q24 What tasks are covered in the drug information experiential rotation? (Select all that apply)

- Answering questions (1)
- Preparation of Monographs (2)
- Journal club (3)
- Research Project (4)
- Adverse Drug Reactions Management (5)
- Advanced literature searching (6)
- Advanced literature evaluation (7)
- Other, (Please specify) (8) _____

Q25 What is the formal training of the primary drug information preceptor of drug information experiential rotation? (Select all that apply)

- BS Pharmacy (1)
- Post-baccalaureate PharmD (2)
- Entry-level PharmD (3)
- Non-traditional PharmD (4)
- Drug information residency (5)
- Drug information fellowship (6)
- Other residency or fellowship (7)
- Other (Please specify) (8) _____

Q26 How many different drug information experiential rotations are available for the students?
(Circle in all that apply)

- Industry (1)
- Hospital (2)
- Managed care (3)
- University (4)
- Poison Control Center (5)
- Other (Please specify) (6) _____

Q27 What is the location of the primary practice site of the drug information experiential rotation? (Select all that apply)

- Hospital (1)
- Pharmaceutical industry (2)
- University (3)
- Poison Control Center (4)
- Other (please specify) (5) _____

Q28 Do you feel you have an adequate number of drug information experiential rotation training sites?

- Yes (1)
- No (2)

Q29 If no didactic drug information component or drug information experiential rotation is offered in the curriculum, how do students develop their drug information skills? (Select all that apply)

- It is assumed that drug information training is covered within other advanced pharmacy practice experience rotations (1)
- Laboratory experience (2)
- Portfolio (3)
- Formal drug information consults (4)
- Other (Please specify) (5) _____
- Not applicable (6)

Q30 If no didactic drug information component or drug information experiential rotation is offered in the curriculum, are there plans to develop such a course or advanced pharmacy practice experience? (Select all that apply)

- Yes, we plan to add drug information didactic component (1)
- Yes, we plan to add drug information advanced pharmacy practice experience (2)
- Yes, we plan to add both drug information didactic component and advanced pharmacy practice experience (3)
- No (4)
- Other (Please specify) (5) _____
- Not applicable (6)

If Yes, we plan to add drug in... Is Selected, Then Skip To May we contact you to discuss the inf...
If Yes, we plan to add both dr... Is Selected, Then Skip To May we contact you to discuss the inf...

Q31 If no didactic drug information component or drug information experiential rotation is offered in the curriculum and if there are no plans to develop either or both, what are the reasons? (Select all that apply)

- Drug information training is adequately covered within other advanced pharmacy practice experiences (1)
- Lack of faculty resources (2)
- Lack of adequate clinical training sites offering drug information (3)
- Competition for credit hours within existing curriculum (4)
- Other (Please specify) (5)
- Not applicable (6)

Q32 May we contact you to discuss the information on this survey further?

- Yes, Please write your name and telephone number in the space below (1)

- No (2)

Q33 Please indicate if you would like an electronic copy of the survey results when available?

- Yes (1)
- No (2)