

Supplementary

Survey questionnaire form

Factors Affecting Hospital Pharmacy Internship Program Offering in Metro Manila (2024)

SURVEY QUESTIONNAIRE NO. _____

Part I. Demographic Characteristics

Instructions: Please answer each item by filling in the blanks corresponding to each with your answer or by ticking the box that corresponds to your answer, whichever applies.

A. Demographic Characteristics of the Respondent

1. Age: _____
2. Sex: Male
 Female
3. Designation: Chief Pharmacist
 Supervising Pharmacist
 Internship Coordinator
4. Number of years working as a hospital pharmacist: _____
5. Number of years in the current designation: _____
6. Highest Educational Attainment: Bachelor's Degree
 Clinical Pharmacy Major
 Doctor of Pharmacy
 Master's Degree
 Doctorate Degree

B. Hospital Demographics

1. Name of Hospital (Please indicate the complete name of the hospital): _____
2. Location of Hospital:
 - First District (Manila)
 - Second District (Mandaluyong, Marikina, Pasig, Quezon City, San Juan)
 - Third District (Caloocan, Malabon, Navotas, Valenzuela)
 - Fourth District (Las Piñas, Makati, Muntinlupa, Parañaque, Pasay, Taguig, Pateros)
3. Hospital Bed Capacity: _____

Part II. Hospital Pharmacy Internship Program (HPIP) Offering

Instructions: Please answer each item by filling in the blanks corresponding to each with your answer or by ticking the box that corresponds to your answer, whichever applies. Kindly answer N/A if not applicable.

1. Does the hospital currently offer a pharmacy internship program for BS Pharmacy students? Yes No
2. What mode of delivery is being observed in your HPIP? (Kindly choose N/A if answer in previous item is 'No').
 Purely Online Blended/ Hybrid Full Onsite N/A
3. Number of pharmacy preceptors: _____
4. Number of partner schools accommodated per year: _____
5. Number of BS Pharmacy students accommodated as hospital pharmacy interns per year: _____
6. Affiliation/Internship Fee per Student Intern (Kindly indicate the corresponding amount in figures): _____

Factors Affecting Hospital Pharmacy Internship Program Offering in Metro Manila (2024)
 SURVEY QUESTIONNAIRE NO. _____

Part III. Antecedents
Instructions: This part shall be divided into two which are (a) organizational context and (b) academic partnership. For items under organizational context, please answer by filling in the blanks or by ticking the box that corresponds to your answer, whichever applies. For items under academic partnership, kindly rate each statement according to your level of agreement (strongly disagree – 1, disagree – 2, neither agree or disagree – 3, agree – 4, strongly agree – 5).

A. Organizational Context

1. Hospital Classification according to Functional Capacity: Level 2 Level 3
2. Hospital Classification according to Ownership: Government Private
3. Pharmacy Services *(Please tick 'Yes' if corresponding service is available, otherwise please tick 'No')*

Clinical Pharmacy	<input type="checkbox"/> Yes <input type="checkbox"/> No	Sterile Compounding	<input type="checkbox"/> Yes <input type="checkbox"/> No
Drug Information Service	<input type="checkbox"/> Yes <input type="checkbox"/> No	Research	<input type="checkbox"/> Yes <input type="checkbox"/> No
Patient Counseling	<input type="checkbox"/> Yes <input type="checkbox"/> No	Training	<input type="checkbox"/> Yes <input type="checkbox"/> No
Non-sterile Compounding	<input type="checkbox"/> Yes <input type="checkbox"/> No	Inventory Management	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. Available Resources *(Please tick 'Yes' if corresponding resource/s is/are available, otherwise please tick 'No')*

Library facilities	<input type="checkbox"/> Yes <input type="checkbox"/> No
Drug information system	<input type="checkbox"/> Yes <input type="checkbox"/> No
Access to pharmaceutical journals	<input type="checkbox"/> Yes <input type="checkbox"/> No
Pertinent reference books	<input type="checkbox"/> Yes <input type="checkbox"/> No
Dedicated area for each pharmacy service	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. Total Number of Pharmacists: _____
6. Operations: All areas/premises under the Pharmacy Department operate for 24 hours.
 Only the main pharmacy operates for 24 hours.
 The main pharmacy and other selected pharmacy areas/premises operate for 24 hours.

B. Academic Partnership

	Strongly Disagree (1)	Disagree (2)	Neither agree nor disagree (3)	Agree (4)	Strongly Agree (5)
1) We offer our internship program depending on the need of pharmacy schools who have been our previous partners.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) The internship plan is designed in agreement with the partner school of pharmacy.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Our partnership with a school of pharmacy in the provision of hospital pharmacy internship is formalized by a memorandum of agreement (MOA).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Factors Affecting Hospital Pharmacy Internship Program Offering in Metro Manila (2024)
 SURVEY QUESTIONNAIRE NO. _____

Part IV. Perceived Benefits

Instructions: Kindly answer according to how you agree that each item can be benefited by HTEs from offering HPIPs. Please tick the box that corresponds to your answer (strongly disagree – 1, disagree – 2, neither agree or disagree – 3, agree – 4, strongly agree – 5).

	Strongly Disagree (1)	Disagree (2)	Neither agree nor disagree (3)	Agree (4)	Strongly Agree (5)
1) Interns can potentially enhance the productivity and efficiency of the pharmacy area/department.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Offering an internship program is a potential means of income generation for the pharmacy department.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Conducting an internship program can potentially help the pharmacy department to save up on operational costs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) Conducting an internship program can be a strategic way of training future candidates for recruitment in the pharmacy department.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) Former interns who are recruited as pharmacists will need less time for onboarding into the organization.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Former interns who are recruited as pharmacists will have longer retention in the organization.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7) Having interns allow inflow of new ideas which can be applied to improve pharmacy operations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8) Interns can share best practices learned from school which can be applied to improve pharmacy operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9) Through involvement in internship programs, pharmacists who serve as preceptors can improve their professional knowledge.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10) Through involvement in internship programs, pharmacists who serve as preceptors can improve their performance ability.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11) Through involvement in internship programs, pharmacists who serve as preceptors can improve their preceptorship skills.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Factors Affecting Hospital Pharmacy Internship Program Offering in Metro Manila (2024)

SURVEY QUESTIONNAIRE NO. _____

Part V. Management Factors

Instructions: Kindly answer according to how you agree to each statement. Please tick the box that corresponds to your answer (strongly disagree – 1, disagree – 2, neither agree or disagree – 3, agree – 4, strongly agree – 5).

	Strongly Disagree (1)	Disagree (2)	Neither agree nor disagree (3)	Agree (4)	Strongly Agree (5)
1) Current local policies (e.g. CHED Memorandum No. 104 s. 2017, CHED Memorandum No. 25 s. 2021) adequately guide the planning of a hospital pharmacy internship program.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Organizational policies allow the conduct of a hospital pharmacy internship program for BS Pharmacy students.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Organizational policies allow extensive involvement of interns in pharmacy operations and services.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) The pharmacy department is adequately equipped with pharmacists to conduct an internship program.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) There is an assigned internship coordinator to oversee the management of the internship program.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Pharmacists who are tapped to be preceptors are adequately trained for the role.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7) Pharmacy preceptors are able to fulfill their roles in the internship program and their responsibilities in the hospital pharmacy.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8) Interns are generally expected to be enthusiastic in performing assigned tasks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9) Interns are generally expected to be dependable when assigned with tasks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10) Interns are generally expected to be able to work well with others.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11) Interns are generally expected to be adequately skilled to undergo hospital pharmacy internship.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12) Interns are generally expected to have adequate knowledge to undergo hospital pharmacy internship.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

THANK YOU FOR COMPLETING THIS QUESTIONNAIRE!

Subgroup analysis on private hospitals

Table 1: Comparison of functional capacity, manpower, operations, and available services and resources between private hospitals currently with and without HPIP Offering

Antecedents	Frequency (%)		
	HPIP offering (n = 15)	HPIP non-offering (n =17)	Overall (n = 32)
Functional capacity			
Level 2	4 (26.67)	11 (64.71)	15 (46.88)
Level 3	11 (73.33)	6 (35.29)	17 (53.13)
Manpower (Pharmacist to bed)	1:16	1:20	1:18
Mean (SD)	(7.12)	(14.69)	(11.82)
Operations			
All areas operate for 24 hours.	7 (46.67)	6 (35.29)	13 (40.63)
The main pharmacy and other selected areas operate for 24 hours	3 (20.00)	3 (17.65)	6 (18.75)
Only the main pharmacy operates for 24 hours.	5 (33.33)	8 (47.06)	13 (40.63)
Pharmacy services			
Clinical pharmacy	7 (46.67)	3 (17.65)	10 (31.25)
Drug information service	14 (93.33)	13 (76.47)	27 (84.38)
Patient Counseling	13 (86.67)	14 (82.35)	27 (84.38)
Non-sterile compounding	13 (86.67)	15 (88.24)	28 (87.50)
Sterile compounding	7 (46.67)	6 (35.29)	13 (40.63)
Research	7 (46.67)	3 (17.65)	10 (31.25)
Training	14 (93.33)	8 (47.06)	22 (68.75)
Inventory management	15 (100.00)	15 (88.24)	30 (93.75)
Available resources			
Library facilities	4 (26.67)	5 (29.41)	9 (28.13)
Drug information system	15 (100.00)	13 (76.47)	28 (87.50)
Access to pharmaceutical journals	13 (86.67)	10 (58.82)	23 (71.88)
Pertinent reference books	15 (100.00)	14 (82.35)	29 (90.63)
Dedicated area for each pharmacy service	11 (73.33)	10 (58.82)	21 (65.63)

Table II: Academic partnership among private hospitals with HPIP vs. without HPIP offering (n = 45)

Academic partnership item	Mean (SD)	
	HPIP offering (n = 24)	HPIP non-offering (n = 21)
AP1	4.13 (0.85)	3.38 (1.07)
AP2	4.38 (0.82)	3.71 (0.90)
AP3	4.71 (0.62)	3.90 (1.04)
Overall mean (SD)	4.40 (0.65)	3.67 (0.86)

AP = Academic Partnership

Table III: Perceived benefits of respondents from private hospitals with and without HPIP offering (n = 45)

Perceived benefits item	Mean (SD)	
	HPIP offering (n = 24)	HPIP non-offering (n = 21)
V1	4.33 (0.64)	4.24 (0.70)
V2	3.83 (1.31)	3.57 (1.12)
V3	3.42 (1.21)	3.52 (1.21)
Overall mean (SD)	3.86 (0.85)	3.78 (0.79)
R1	4.75 (0.53)	4.62 (0.50)
R2	4.21 (0.93)	3.90 (1.04)
R3	3.63 (1.06)	3.52 (1.12)
Overall mean (SD)	4.19 (0.72)	4.02 (0.75)
I1	4.08 (0.83)	4.19 (0.68)
I2	4.08 (0.83)	4.33 (0.58)
Overall mean (SD)	4.08 (0.80)	4.26 (0.60)
PD1	4.54 (0.59)	4.38 (0.59)
PD2	4.50 (0.59)	4.33 (0.58)
PD3	4.54 (0.59)	4.38 (0.59)
Overall mean (SD)	4.53 (0.55)	4.37 (0.58)

V = Value, R = Recruitment, I = Ideas, PD = Professional Development

Table IV: Perspective of respondents from private hospitals on management factors affecting HPIP offering (n = 45)

Management factor item	Mean (Range)	
	HPIP offering (n = 24)	HPIP non-offering (n = 21)
POL1	3.96 (0.95)	3.81 (0.60)
POL2	4.42 (0.58)	3.81 (0.68)
POL3	4.08 (0.83)	3.76 (0.62)
Overall mean (SD)	4.15 (0.68)	3.79 (0.53)
PRP1	4.25 (0.68)	3.76 (0.77)
PRP2	4.38 (0.97)	3.81 (0.93)
PRP3	4.38 (0.71)	3.86 (0.91)
PRP4	4.50 (0.59)	3.86 (0.73)
Overall mean (SD)	4.38 (0.64)	3.82 (0.76)
POS1	4.33 (0.56)	4.05 (0.74)
POS2	4.17 (0.70)	3.86 (0.79)
POS3	4.29 (0.62)	3.95 (0.74)
POS4	4.21 (0.59)	3.90 (0.77)
POS5	4.13 (0.61)	4.00 (0.77)
Overall mean (SD)	4.23 (0.54)	3.95 (0.70)

POL = Policy, PRP = Preceptorship, POS = Perspective on Students

Subgroup analysis on government hospitals

Table V: Comparison of functional capacity, manpower, operations, and available services and resources between gov't hospitals currently with and without HPIP Offering

Antecedents	Frequency (%)		Overall (n = 16)
	HPIP offering (n = 14)	HPIP non-offering (n = 2)	
Functional capacity			
Level 2	3 (21.43)	0 (0.00)	3 (18.75)
Level 3	11 (78.57)	2 (100.00)	13 (81.25)
Manpower (Pharmacist to bed)	1:19	1:18	1:19
Mean (SD)	(19.36)	(9.19)	(12.05)
Operations			
All areas operate for 24 hours.	6 (46.67)	2 (100.00)	8 (50.00)
The main pharmacy and other selected areas operate for 24 hours	3 (20.00)	0 (0.00)	3 (18.75)
Only the main pharmacy operates for 24 hours.	5 (33.33)	0 (0.00)	5 (31.25)
Pharmacy services			
Clinical pharmacy	10 (71.43)	1 (50.00)	11 (68.75)
Drug information service	11 (78.57)	2 (100.00)	13 (81.25)
Patient counseling	12 (85.71)	2 (100.00)	14 (87.50)
Non-sterile compounding	11 (85.71)	2 (100.00)	13 (81.25)
Sterile compounding	8 (57.14)	1 (50.00)	9 (56.25)
Research	7 (50.00)	0 (0.00)	7 (43.75)
Training	12 (85.71)	1 (50.00)	13 (81.25)
Inventory management	14 (100.00)	2 (100.00)	16 (100.00)
Available resources			
Library facilities	7 (50.00)	0 (0.00)	7 (43.75)
Drug information system	9 (64.29)	1 (50.00)	10 (62.50)
Access to pharmaceutical journals	7 (50.00)	1 (50.00)	8 (50.00)
Pertinent reference books	13 (92.86)	2 (100.00)	15 (93.75)
Dedicated area for each pharmacy service	11 (78.57)	0 (0.00)	11 (68.75)

Table VI: Academic partnership among government hospitals with HPIP vs. without HPIP offering (n = 35)

Academic partnership item	Mean (SD)	
	HPIP offering (n = 32)	HPIP non-offering (n = 3)
AP1	4.34 (0.97)	3.00 (1.73)
AP2	4.44 (0.80)	3.00 (1.73)
AP3	4.81 (0.40)	4.33 (0.58)
Overall Mean (SD)	4.53 (0.55)	3.44 (0.96)

AP = Academic Partnership

Table VII: Perceived benefits of respondents from government hospitals with and without HPIP offering (n = 35)

Perceived benefits item	Mean (SD)	
	HPIP offering (n = 32)	HPIP non-offering (n = 3)
V1	4.50 (0.62)	3.67 (0.58)
V2	3.66 (1.15)	2.67 (0.58)
V3	3.50 (1.04)	3.33 (0.58)
Overall mean (SD)	3.89 (0.71)	3.22 (0.19)
R1	4.69 (0.47)	4.00 (0.00)
R2	4.09 (0.78)	3.33 (0.58)
R3	3.81 (0.93)	2.67 (0.58)
Overall mean (SD)	4.20 (0.62)	3.33 (0.00)
I1	4.28 (0.68)	3.67 (0.58)
I2	4.25 (0.67)	4.00 (0.00)
Overall mean (SD)	4.27 (0.66)	3.83 (0.29)
PD1	4.40 (0.60)	3.67 (0.58)
PD2	4.47 (0.62)	4.00 (0.00)
PD3	4.53 (0.57)	4.00 (0.00)
Overall mean (SD)	4.49 (0.56)	3.89 (0.19)

V = Value, R = Recruitment, I = Ideas, PD = Professional Development

Table VIII: Perspective of respondents from government hospitals on management factors affecting HPIP offering (n = 35)

Management factor item	Mean (Range)	
	HPIP offering (n = 32)	HPIP non-offering (n = 3)
POL1	4.25 (0.57)	3.33 (0.58)
POL2	4.50 (0.51)	3.67 (0.58)
POL3	4.16 (0.68)	3.33 (0.58)
Overall mean (SD)	4.30 (0.49)	3.44 (0.51)
PRP1	4.22 (0.87)	3.33 (0.58)
PRP2	4.34 (0.75)	3.67 (0.58)
PRP3	4.16 (0.81)	3.67 (0.58)
PRP4	4.34 (0.65)	3.67 (0.58)
Overall mean (SD)	4.27 (0.63)	3.58 (0.38)
POS1	4.56 (0.56)	4.00 (0.00)
POS2	4.41 (0.67)	3.67 (0.58)
POS3	4.53 (0.51)	4.00 (0.00)
POS4	4.47 (0.57)	3.33 (0.58)
POS5	4.53 (0.51)	3.33 (0.58)
Overall mean (SD)	4.50 (0.50)	3.67 (0.31)

POL = Policy, PRP = Preceptorship, POS = Perspective on Students