



Peer Characteristic Survey

Appendix to **Effective use of workload and productivity monitoring tools in health-system pharmacy, part 1** *Am J Health Syst Pharm February 15, 2010 67:300-311; doi:10.2146/ajhp090217.p1.*

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Appendix B --- Department of Pharmacy Peer Characteristic Survey

Data reported on this survey should be for only 1 hospital. If you are part of a multi-hospital health-system, please complete one survey for each hospital in your health-system. (e.g., a two-hospital system supported by one pharmacy should complete two surveys.) All data should be from the latest fiscal year unless otherwise indicated.

Hospital Characteristics

1. For your hospital, what is the number of staffed (or operated) beds? (enter number)

_____ staffed beds

2. Of the staffed beds in your hospital, what proportion are intensive care or critical care beds? (enter number)

_____ % of staffed beds are intensive care or critical care beds

3. What is the average daily inpatient census? (enter number)

_____ average daily inpatient census

4. For the last fiscal year, how many inpatient admissions did your hospital have? (enter number)

_____ inpatient admissions

5. For the last fiscal year, what was the total number of acute inpatient days for your hospital? (enter number)

_____ inpatient days

6. Which of the following best describes your institution? (Circle all that apply.)

- Government
- City/county
- Teaching
- Academic medical center
- For-profit
- Not-for-profit
- Other (please describe: _____)

7. For the last fiscal year, what was the average daily inpatient census for each of the following services? (enter number)

Category	Adults	Pediatrics
a. Critical care		
b. Pediatric	n/a	
c. Neonatal Intensive Care Unit (NICU)	n/a	
d. Pediatric Intensive Care Unit (PICU)	n/a	
e. Oncology		

8. For the last fiscal year, how many total procedures were provided for each of the following services? (enter number)

Category	Adults	Pediatrics
Solid organ transplant		
Bone Marrow Transplant		
Cath lab		

9. Does your hospital run an employee prescription benefit plan? (Circle number.)

- 1 Yes
- 2 No

10. Does your inpatient hospital pharmacy department dispense outpatient take home prescriptions? (Circle number.)

- 1 Yes
- 2 No

_____ Average number of prescriptions filled per day:

11. Is your hospital a Level 1 trauma center? (Circle number.)

1 Yes

2 No

12. Is your hospital a federally designated comprehensive cancer center? (Circle number.)

1 Yes

2 No

13. Is your hospital part of a group purchasing organization? (Circle number.)

1 Yes

2 No, skip to Q14

What is the name of your group purchasing organization? (Enter name.)

_____ GPO name

What percentage of total inpatient drug purchases are made through your group purchasing organization? (Enter number.)

_____ %

14. How many buildings are supported by your pharmacy? (Enter number.)

Inpatient buildings _____

Clinic buildings _____

Buildings where both inpatient and clinic services are provided _____

15. What is the total number of clinics to which the pharmacy department provides services (e.g., drug distribution, charge capture, outdate checks, etc.)? (Enter number.)

_____ clinics pharmacy provides services

Pharmacy Activity Information

16. For the last fiscal year, what was the total number of inpatient medication orders (new/modified/discontinued) processed by pharmacy? (Enter number.)

_____ total medication orders last year

For the last fiscal year, what was the total number of “new” medication orders? (Enter number.)

_____ New medication orders last year

17. For this question, we are interested in types of inpatient medication doses administered, as well as the total number administered in your hospital in the last fiscal year. Items a. through d. should sum to the total number. (Enter number.)

Type of medication dose administered	Number
a. Oral solids	
b. Extemporaneously prepared parenteral doses (syringes, drips, etc.)	
c. extemporaneously prepared oral doses	
d. Other (specify _____)	
e. TOTAL inpatient medication doses administered (a+b+c+d=e)	

18. Approximately what percentage of doses leaving your inpatient pharmacy get returned? (Enter number.)

_____ % of doses returned

Of the doses returned to your pharmacy, does pharmacy physically credit these doses? (Circle number.)

- 1 Yes
- 2 No

19. How many parenteral chemotherapy doses are prepared by your inpatient pharmacy each month? (Circle number.)

- 1 0-100
- 2 101-200
- 3 201-300
- 4 301-400
- 5 >401

20. For this question, we are interested in investigational drug services (IDS) provided by your pharmacy department. Does your hospital pharmacy operate an IDS? (Circle number.)

- 1 Yes
- 2 No, skip to Q21

How many IDS protocols are managed each year by your pharmacy department? (Circle number.)

- 1 0-50
- 2 51-100
- 3 101-150
- 4 151-200
- 5 201-300
- 6 301-400
- 7 > 400

What is the total number of studies opened in your institution each year? (Enter number.)

_____ studies opened

What is the total number of studies closed in your institution each year? (Enter number.)

_____ studies closed

For the last fiscal year, what was the total pharmacy **cost** for providing this IDS service? (Enter number.)

_____ total pharmacy cost

For the last fiscal year, what was the total pharmacy **charges** for providing this IDS service? (Enter number.)

_____ total pharmacy charges

For the last fiscal year, what was the total **funds collected** that were applied to offset the costs for providing IDS service? (Enter number.)

_____ total other funds

Staffing Information

21. How many inpatient FTE pharmacist positions are you currently **budgeted** for? (Enter number.)

_____ Budgeted FTE pharmacist positions

How many of these positions are **vacant**? (Enter number.)

_____ Vacant FTE pharmacist positions

22. For this question, we are interested in management and pharmacist FTE allocations in your pharmacy department. For each of the following professional personnel, indicate the total number of FTEs within each category (disregard cost center reporting or source of funding): (Enter number.)

Category	Inpatient	Outpatient (Clinics)	Retail	Total
Administration				
a. Pharmacists	_____	_____	_____	_____
b. Non-Pharmacists	_____	_____	_____	_____
Residents				
c. Practice residents	_____	_____	_____	_____
d. Specialty residents	_____	_____	_____	_____
Externally Funded				
e. School of pharmacy funded FTEs	_____	_____	_____	_____
f. Other externally funded FTEs	_____	_____	_____	_____
Pharmacist FTE				
g. Staff pharmacists ^{1,2}	_____	_____	_____	_____
h. Clinical pharmacists ^{1,2}	_____	_____	_____	_____
Or				
i. Integrated staffing model pharmacists	_____	_____	_____	_____
Drug Use Policy Support				
j. P&T/cost reduction/guidelines/etc	_____	_____	_____	_____
k. Drug information	_____	_____	_____	_____
l. Poison prevention	_____	_____	_____	_____
m. Manage prescription drug benefits	_____	_____	_____	_____
Other Pharmacists				
n. Informatics/IS/CPOE pharmacists	_____	_____	_____	_____
o. Medication use safety coordinator ³	_____	_____	_____	_____
p. Investigational drug service (IDS) pharmacist	_____	_____	_____	_____
q. Emergency department (ED) pharmacist	_____	_____	_____	_____
r. Reimbursement or indigent drug specialist pharmacists	_____	_____	_____	_____
s. Provide drug manual billing	_____	_____	_____	_____
t. Purchasing or store room pharmacists	_____	_____	_____	_____
u. Other (Specify _____)	_____	_____	_____	_____

Total Professional Pharmacy FTEs

Notes:

- Does not include pharmacist services provided by or funded by external sources, College/School of Pharmacy or Dept. of Medicine
- Staff versus clinical pharmacist definition: staff pharmacists have primarily distributive activities, clinical pharmacists have primarily drug therapy monitoring/rounding/patient care responsibilities. If clinical and distributive services are integrated, please estimate the pharmacist FTE devoted to distributive and clinical services.
- A medication use safety coordinator is an individual whose job it is to ensure that the medication-use system is designed to prevent accidental harm to patients. The individual seeks to implement the best practices related to measuring, monitoring, and continually improving the performance of the medication-use process.

23. RESULTS: Average daily census to pharmacist FTE ratios

What is your inpatient average daily census to inpatient “clinical” pharmacist FTE ratio?

_____ ADC to clinical pharmacist ratio

What is your inpatient average daily census to inpatient “distributive” pharmacist FTE ratio?

_____ ADC to distributive pharmacist ratio

What is your inpatient average daily census to inpatient “total” pharmacist FTE ratio?

_____ ADC to total integrated pharmacist ratio

24. For this question, we are interested in technician and support personnel FTE allocations in your pharmacy department. For each of the following support personnel, indicate the total number of FTEs within each category (disregard cost center reporting or source of funding): (Enter number.)

Category	Inpatient	Outpatient + Retail (Clinics)	Total
a. Technicians (Central)	_____	_____	_____
b. Technicians (Decentralized)	_____	_____	_____
c. Informatics/IS/CPOE technician	_____	_____	_____
d. Drug Policy technician ¹	_____	_____	_____
e. Investigational drug service (IDS) technician	_____	_____	_____
f. Secretarial/ Clerical	_____	_____	_____
g. Reimbursement or indigent drug technicians	_____	_____	_____
h. Provide drug manual billing	_____	_____	_____
i. Purchasing/Buyer/Inventory Control/Contracts	_____	_____	_____
j. Other (Specify _____)	_____	_____	_____

Total Support Pharmacy FTEs

Note:

1. A drug-policy technician includes work on P&T committee, DUE, Poison, monographs, and management of prescription drug benefits

*****All FTEs need to normalize back to pharmacy department*****

25. What is the number of inpatient pharmacy students/ clerkship rotation months precepted per year? (Enter number.)

_____ number of rotation months precepted

26. For this question, we are interested in your ambulatory clinic operations, including: number of pharmacist FTEs, whether it is a pharmacy run clinic, if revenue is generated, if cost savings are documented, and source of outside funding. (Enter or circle number.)

Check here if you do not operate any ambulatory clinic operations _____

Type of Clinic	Number of Pharmacist FTEs?	Is clinic a pharmacist run clinic?	Is revenue generated by this pharmacy service?	Is cost savings for pharmacy services documented?	Funded by outside source (e.g., grant money, medical group)?
a. Anticoagulation	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No
b. Oncology	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No
c. Primary Care	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No
d. Diabetes	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No
e. HIV/AIDS	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No
f. Medication Management	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No
g. Smoking Cessation	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No
h. Dyslipidemia	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No
i. Pain Management	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No
j. Asthma/Pulmonary Disease	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No
k. CHF	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No
l. Psychiatry	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No
m. Hypertension	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No
n. Other (specify _____)	_____ FTEs	1 Yes	1 Yes	1 Yes	1 Yes
		2 No	2 No	2 No	2 No

Hours of Operation

27. For this question, we are interested in the daily hours of operation for your inpatient, clinic and retail pharmacies (i.e., available to provide services). (This question is not intended to capture inpatient satellite pharmacy information, that information is included in the next question). How many hours per day are the inpatient, clinic, and retail pharmacies open and available to provide service? (Enter number.)

Day of week	Inpatient pharmacies	Clinic Pharmacy (Type: _____)	Hospital –Based Retail pharmacy	Other Pharmacies (Describe: _____)	Other Pharmacies (Describe: _____)
a. Monday- Friday (hours/day)					
b. Saturday (hours/day)					
c. Sunday (hours/day)					

28. For this question, we are interested in your inpatient, full-service (dispensing/preparation) satellite pharmacy operations. For each of the different patient care areas, how many full-service pharmacy satellites (preparation/dispensing) are operated, and how many pharmacist and technician hours are used to staff these satellite pharmacy operations? (Enter number.)

Satellite type	Number of Satellites	Weekdays (Monday – Friday)		Weekends (Saturday and Sunday)	
		RPh staffed hours per week	Technician staffed hours per week	RPh staffed hours per weekend	Technician staffed hours per weekend
a. OR					
b. ICU					
c. Pediatric					
d. Other: e. (Describe: _____)					
f. Other: g. (Describe: _____)					
h. Other: i. (Describe: _____)					

29. Does your pharmacy provide decentralized clinical services on weekends (Saturday-Sunday), not including satellite or staff pharmacy coverage? (Circle number.)

- 1 Yes
- 2 No, skip to Q30

How many total decentralized pharmacist-hours are provided on the weekend (Saturday and Sunday combined) (not including satellite pharmacy coverage)? (Enter number.)

a. AM shift _____ total hours

b. PM shift _____ total hours

c. Night shift _____ total hours

Remote Services

30. Does your hospital provide 24-hour pharmacy services, where your pharmacy department is open and available to provide service? (Circle number.)

1 Yes, skip to Q31

2 No, skip to Q32

31. As a 24-hour hospital, does your hospital pharmacy department manage and/or provide services (such as after hours medication order processing) to another hospital pharmacy department that is not open 24-hours? (Circle number.)

1 Yes

2 No, skip to Q33

What services are managed or provided to the other hospitals? (List)

_____ services

How many FTEs are dedicated to managing or providing services to the other hospitals? (Enter number.)

_____ FTEs (skip to Q33)

32. If your hospital does not have 24-hour services, do you use another organization to provide remote medication order review when your pharmacy is not open? (Circle number.)

1 Yes

2 No, skip to Q33

What type of organization provides these remote medication order review services to your hospital when your pharmacy department is not open and available to provide service? (Circle number.)

- 1 Larger hospital
- 2 For-profit company
- 3 Other (please identify) _____

Medication Use Process

Prescribing and Transcribing

33. Which of the following terms best describes your institution's formulary system? (Circle number.)

- 1 Closed
- 2 Highly restrictive
- 3 Moderately restrictive
- 4 Open

34. How many drugs are used in your hospital for which there are prescribing restrictions where consultations are required before the drug may be used? (Enter number.)

_____ drugs with prescribing restrictions

35. How many medication protocols/drug use guidelines does your pharmacy department manage? (Enter number.)

DEFINITION: This question does not refer to preprinted order sets or investigation study protocols or therapeutic interchange protocols, rather it refers to evidence-based guidelines or protocols coordinated and approved by pharmacy or the P&T Committee with which pharmacists are expected to enforce compliance via routine practice and/or to use in managing patient care. An example would include renal dosing adjustment guidelines, guidelines for appropriate use of albumin, pharmacist initiation of TPN therapy under protocol, aminoglycoside monitoring, etc.

_____ protocols managed

36. Are **decision support systems** active in your **inpatient pharmacy order entry** system? (Circle number.)

DEFINITION: **Clinical decision support systems** include any tool within the application that provides guidance and/or incorporates knowledge to assist the pharmacist in entering complete, accurate, and appropriate patient care orders.

- 1 Yes
- 2 No

37. What percentage of orders are entered into the pharmacy computer system by the following means (exclude orders entered into CPOE system)?

Staff and method of medication order entry into pharmacy computer system	Percent of Orders? (must sum to 100%)
a. Directly by a pharmacist	_____ %
b. Non-pharmacy personnel (e.g., HUCs, Nurses; not including CPOE orders) conditionally enter orders that are later verified by a pharmacist	_____ %
c. Pharmacy technician conditionally enter orders that are later verified by a pharmacist	_____ %
d. Other (specify _____)	_____ %
Total (must sum to 100%)	100 %

38. Does your hospital have a computerized prescriber order entry (**CPOE**) system for **inpatient medication orders**? (Circle number.)

- 1 Yes
- 2 No, skip to Q39

What percent of **beds** in your hospital does the inpatient CPOE system **cover**? (Circle number.)

- 1 0%
- 2 1-20%
- 3 21-40%
- 4 41-60%
- 5 61-80%
- 6 81-100%

Does your hospital use **extensive clinical decision support systems** (e.g., rules that integrate order information, patient information, and clinical practice guidelines into computer system logic that provide feedback to prescribers to assist the prescriber in entering complete, accurate, and appropriate patient care orders) within the **inpatient CPOE** system? (Circle number.)

- 1 Yes
- 2 No

What percent of inpatient medication orders (for beds that are covered by the CPOE system) do **prescribers enter directly** into the **inpatient CPOE** system? (Circle number.)

- 1 0%
- 2 1-20%
- 3 21-40%
- 4 41-60%
- 5 61-80%
- 6 81-100%

What percentage of orders entered into the CPOE systems are entered by pharmacists (e.g., pharmacists enter handwritten orders into CPOE system, physicians give verbal orders to pharmacists, etc): (Circle number.)

- 1 0%
- 2 1-20%
- 3 21-40%
- 4 41-60%
- 5 61-80%
- 6 81-100%

After a prescriber enters a medication order into the **inpatient CPOE** system, does the order need to be **manually re-entered** into a pharmacy computer system? (Circle number.)

- 1 Yes
- 2 No

After a prescriber enters a medication order into the **inpatient CPOE** system, is the order **evaluated** by a pharmacist **before** patient administration? (Circle number.)

- 1 Yes
- 2 No

39. Please answer the following questions about your medication order entry systems. Answer both columns if applicable. (Circle number.)

	PHARMACY Order Entry		PRESCRIBER (Physician) Order Entry	
a. What percentage of medication orders are entered using this method of order entry?	1	0%	1	0%
	2	1-20%	2	1-20%
	3	21-40%	3	21-40%
	4	41-60%	4	41-60%
	5	61-80%	5	61-80%
	6	81-100%	6	81-100%
b. Can orders be entered into the computer system without patient's allergies properly entered and coded?	1	Yes	1	Yes
	2	No	2	No
			3	n/a
c. Is there an electronic alert if a drug is entered to which a patient is allergic?	1	Yes	1	Yes
	2	No	2	No
			3	n/a
d. Is there an interface with the laboratory system that allows practitioners to view patient lab values?	1	Yes	1	Yes
	2	No	2	No
			3	n/a
e. Does the system display patient-specific, relevant real-time laboratory results on the screen at the time of ordering?	1	Yes	1	Yes
	2	No	2	No
			3	n/a
f. Is there an interface with the laboratory system that automatically alerts practitioners to the need for potential drug therapy changes? (e.g., system would prompt prescriber if an aminoglycoside order is entered on a patient with high serum creatinine, system provides pop-up reminders for laboratory monitoring, etc.)	1	Yes	1	Yes
	2	No	2	No
			3	n/a
g. Does the system provide up-to-date, reliable drug information for the prescriber at the user interface?	1	Yes	1	Yes
	2	No	2	No
			3	n/a
h. Is the system interfaced with an electronic nursing clinical documentation system?	1	Yes	1	Yes
	2	No	2	No
			3	n/a
i. Is the MAR used by nurses to document medication administration generated directly from this system?	1	Yes	1	Yes
	2	No	2	No
			3	n/a
j. Are first doses of medications available	1	Yes	1	Yes

	PHARMACY Order Entry		PRESCRIBER (Physician) Order Entry	
from floor stock or automated dispensing cabinets before a pharmacist reviews the specific patient order and screens the order for safety?	2	No	2 3	No n/a
k. Does the system provide default doses and a range of potential doses for each medication?	1 2	Yes No	1 2 3	Yes No n/a
l. Does the computer system perform dose range checks and warn practitioners about overdoses and under-doses?	1 2	Yes No	1 2 3	Yes No n/a
m. Are preprinted order sets used to guide the prescribing of routine medications?	1 2	Yes No	1 2 3	Yes No n/a
n. Does the system have clinical guidelines built-in and available to practitioners at the point of order entry?	1 2	Yes No	1 2 3	Yes No n/a
o. Does the system include weight-based dosing?	1 2	Yes No	1 2 3	Yes No n/a

Dispensing and Administration

Distribution Activities

40. What is the **basic philosophy** of your current inpatient pharmacy's distribution system (i.e., medication doses prepared and/or dispensed for patients)? (Circle number.)

- 1 Centralized
- 2 Decentralized

41. What is your **primary** method of **first dose** medication distribution activities? (Circle number.)

- 1 Centralized manual (e.g., unit dose)
- 2 Decentralized manual (e.g., satellite pharmacies)
- 3 Centralized - Automated (e.g., robot)
- 4 Decentralized - Automated (e.g., point-of-use dispensing system, Pyxis, Omnicell®)

42. What is your **primary** method of **maintenance dose** medication distribution activities? (Circle number.)

- 1 Centralized manual (e.g., unit dose)
- 2 Decentralized manual (e.g., satellite pharmacies)
- 3 Centralized - Automated (e.g., robot)
- 4 Decentralized - Automated (e.g., point-of-use dispensing system, Pyxis, Omnicell®)

43. Do you use **automated storage and distribution devices** (e.g., Pyxis, Omnicell®) in your decentralized distribution system? (Circle number.)

- 1 Yes
- 2 No, skip to Q49

44. Which of the following are your **automated storage and distribution devices** (e.g., Pyxis, Omnicell®) used for? (Circle all that apply.)

- 1 Narcotics
- 2 Floorstock
- 3 As needed medications
- 4 First doses of scheduled medications
- 5 All doses of scheduled medications

Q45 Do **pharmacists** in your hospital check the accuracy and integrity of medications contained in automated storage and distribution devices (e.g., Pyxis, Omnicell®) either before or after medications are replenished? (Circle number.)

- 1 Yes
- 2 No

46. Are the automated storage and distribution devices (e.g., Pyxis, Omnicell®) **linked** to your pharmacy computer system (e.g., dispensing from this technology is tied to the patient's profile)? (Circle number.)

- 1 Yes
- 2 No, skip to Q47

What percent of medications dispensed from the automated storage and distribution devices (e.g., Pyxis, Omnicell®) are **overrides** (i.e., not reviewed by pharmacy before administration to the patient)? (Enter number.)

_____ %

Does your hospital have a list of approved medications that may be overridden? (Circle number.)

- 1 Yes
- 2 No, skip to Q47

How many drugs are approved on the "override" list in your hospital? (Enter number.)

_____ Number on override list

47. What percentage of medication doses stored in automated storage and distribution devices (e.g., Pyxis, Omnicell®) are restocked using bar code restocking technology? (Circle number.)

- 1 0%
- 2 1-20%
- 3 21-40%
- 4 41-60%
- 5 61-80%
- 6 81-100%

48. What percentage of all medication doses administered to inpatients are dispensed from automated storage and distribution devices (e.g., Pyxis, Omnicell®)? (Circle number.)

- 1 0%
- 2 1-20%
- 3 21-40%
- 4 41-60%
- 5 61-80%
- 6 81-100%

Medication Preparation and Dispensing

A unit dose is defined as a dose dispensed from the pharmacy that is ready to administer to a patient. For example warfarin 2.5mg is ordered and a package containing warfarin 2.5mg is dispensed. A package that contains warfarin 5mg with a "note strength" label is **NOT in unit dose form**. Similarly, if gentamicin 55mg is ordered, a syringe containing gentamicin 55mg is prepared and dispensed, **NOT** a syringe containing gentamicin 60mg with a "note strength" label.

49. What percentage of inpatient **oral** medication doses (including scheduled and PRN doses) are dispensed as unit dose? (e.g., the dose dispensed is the exact dose to be administered to the patient; Bulk bottles are not considered unit dose) (Circle number.)

Oral Medication Doses	Percentage of <u>oral</u> doses dispensed in unit dose form (See definition)	
Pediatric patients (med surg)		
a. Scheduled Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%
b. PRN Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%
Pediatric patients (PICU, NICU)		
c. Scheduled Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%
d. PRN Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%
Adult patients (med surg)		
e. Scheduled Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%

f. PRN Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%
Adult patients (critical care)		
g. Scheduled Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%
h. PRN Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%

50. What percentage of inpatient parenteral medications are prepared and dispensed as unit dose? (Note: The dose dispensed is the exact dose to be administered to the patient; Multi-dose vials and syringes requiring nurses to expunge medication to reach the final dose are not considered unit dose.) (Circle number.)

Parenteral Medication Doses	Percentage of <u>parenteral</u> doses dispensed in unit dose form (See definition)	
Pediatric patients (med surg)		
a. Scheduled Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%
b. PRN Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%

Pediatric patients (PICU, NICU)		
c. Scheduled Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%
d. PRN Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%
Adult patients (med surg)		
e. Scheduled Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%
f. PRN Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%
Adult patients (critical care)		
g. Scheduled Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%
h. PRN Medications	1	0%
	2	1-20%
	3	21-40%
	4	41-60%
	5	61-80%
	6	81-100%

51. Does your pharmacy use a robotic drug distribution system (ROBOT) that automates the dispensing of unit dose medications in your centralized distribution system for the following? (Circle number.)

a. Cartfill	1	Yes
	2	No
b. Filling of first doses	1	Yes
	2	No

52. Is machine-readable coding (e.g. bar coding technology) used in the inpatient pharmacy to verify doses before **dispensing** process? (Circle number.)

- 1 Yes
- 2 No

53. What percentage of dispensed inpatient medication doses contains machine readable bar codes? (Circle number.)

- 1 0%
- 2 1-20%
- 3 21-40%
- 4 41-60%
- 5 61-80%
- 6 81-100%

54. How many doses are repackaged per day so that bar codes can be placed on the unit dose packages? (Enter number.)

_____ doses per day

55. What percentage of medications are delivered by pharmacy personnel to patient care units in the following manner? (Enter number; numbers should sum to 100%.)

	Percent of doses delivered (sum to 100%)
a. To patient medication drawer in centralized medication room	
b. To medication "In-bin in a centralized medication room	
c. To nurse servers or medication carts in patient-specific location (e.g. patient room)	
d. To automated dispensing cabinet	
e. Tubed to nurses station (then nursing distributes to final storage location)	
f. Other (please specify) _____	
TOTAL (should sum to 100%)	100 %

56. How many technician FTEs are? (Enter number.)

a. Dedicated to restocking non-patient specific unit-based automated storage and distribution devices (e.g., Pyxis, Omnicell®)	_____ FTEs
b. Dedicated to delivering patient specific medications (e.g., cart runs)	_____ FTEs

57. Does your hospital use any automated parenteral compounding technology (e.g., Automix, Micromix, and MicroMacro)? (Circle number.)

- 1 Yes
- 2 No

58. For this question, we are interested in your total parenteral nutrition (TPN) admixture program.

How many TPNs are completely compounded **by hand** per day? (Enter number.)

_____ Hand compounded TPNs

How many TPNs are compounded daily using **partial automation**? (Enter number.)

_____ Number of partially automated TPNs compounded

How many TPNs are compounded daily using **full automation**? (Enter number.)

_____ Number of fully automated TPNs compounded

59. Does your hospital pharmacy outsource your TPN compounding? (Circle number.)

- 1 Yes
- 2 No, skip to Q60

Does your outsourced TPN compounding include 2-in-1 TPNs? (Circle number.)

- 1 Yes
- 2 No

Does your outsourced TPN compounding include 3-in-1 TPNs? (Circle number.)

- 1 Yes
- 2 No

Repackaging Operations

60. Does your pharmacy repackage **oral** medications (i.e., take items obtained in bulk containers and repackage into single unit packages to be used in a unit dose system)?

- 1 Yes
- 2 No, skip to Q61

On average, how many **oral** doses are repackaged per day? (Enter number.)

_____ doses per day

61. Does your pharmacy repackage **injectable (IM, i.v. push, SQ)** medications (i.e., take items obtained in bulk containers and repackage into single unit packages to be used in a unit dose system)?

- 1 Yes
- 2 No, skip to Q62

On average, how many **injectable** doses are repackaged per day? (Enter number.)

_____ doses per day

62. When medications become unavailable in unit dose packaging from manufacturers, what is **most likely** to happen in your pharmacy? (Circle number.)

- 1 Repackage bulk items into unit dose packaging
- 2 Use "note strength" labels and require nursing to manipulate the dose

Outsourcing

63. Does your hospital outsource **all pharmacy operations** to a contract pharmacy services provider (e.g., Cardinal, McKesson Medication Management)? (Circle number.)

- 1 Yes
- 2 No

64. Does your hospital pharmacy department partially or completely outsource any **preparation activities**? (Circle number.)

- 1 Yes
- 2 No, skip to Q66

65. Which of the following **preparation activities** are either partially or completely outsourced? **Exclude** services provided through a contract pharmacy services provider (e.g., Owen, McKesson Medication Management). (Circle number.)

- | | | | |
|----|--|---|-----|
| a. | Unit-dose repackaging - drug only | 1 | Yes |
| | | 2 | No |
| b. | Unit-dose repackaging - for bar coding | 1 | Yes |
| | | 2 | No |
| c. | Total parenteral nutrition solutions | 1 | Yes |
| | | 2 | No |
| d. | IV Admixtures / Piggybacks | 1 | Yes |
| | | 2 | No |
| e. | PCA / epidural | 1 | Yes |
| | 2 No | | |
| f. | Flushes | 1 | Yes |
| | | 2 | No |
| g. | Other (specify) _____ | 1 | Yes |
| | | 2 | No |

66. Does your pharmacy department outsource any medication distribution activities?
(Circle number)

- 1 Yes
- 2 No, skip to Q67

What medication distribution activities are outsourced (Please list.)

67. If your pharmacy department does not outsource any medication distribution activities, are your researching doing this in the future? (Circle number.)

- 1 Yes
- 2 No

Medication Administration

68. Is the MAR used by nurses to document medication administration generated or maintained by the pharmacy department (computer generated or e-MAR)? (Circle number.)

- 1 Yes
- 2 No, skip to Q69

How often are the MARs generated by pharmacy? (Circle number.)

- 1 Real Time updates electronically upon pharmacist order entry (e-MAR)
- 2 Every 24 hours
- 3 Other (specify q ___ hours) (enter number)

69. Which of the following reconcile MARs on a daily basis? (Circle number.)

- 1 RN
- 2 Pharmacist
- 3 Other (specify _____)
- 4 MAR not reconciled daily

70. What percent of IV admixtures/solutions compounded in your hospital require **nurses** to prepare the dose from **vials or ampoules**? (Enter number.)

_____ %

71. Does your hospital have a **Bar-Code Medication Administration (BCMA)** system to verify the identity of the **patient** and the accuracy of **medication administration** at the **point-of-care**? (Circle number.)

- 1 Yes
- 2 No, skip to Q72

What percent of inpatient beds use this technology exclusively for verifying and documenting medication administration? (Enter number.)

_____ percent of beds use BCMA

72. Does your hospital use **smart infusion pumps**? (Circle number.)
DEFINITION: A **smart infusion pump** is a point-of-care computer that integrates the infusion pump with clinical best practice guidelines. Smart infusion pumps have software that checks programmed doses against preset limits specific to a drug and clinical location. The clinician may either override an alert (soft limit) or not be allowed to continue at all (hard limit), depending on preset limits. Some manufacturers include Baxter COLLEAGUE CX Infusion Pump with GUARDIAN Feature, Cardinal/Alaris Medley™ Medication Safety System, and Hospira Plum A+® Infusion System.

- 1 Yes
- 2 No, skip to Q74

73. Do the smart infusion pumps used in your hospital use **extensive drug libraries** (decision support software) that guide dose calculation, rates, and drug administration? (Circle number.)

- 1 Yes
- 2 No

74. Does the pharmacy staff provide IV reconciliation (e.g., pharmacy personnel go into the patient's room and compare IV pump rates and bags that are hanging to the actual pharmacy order and reconcile any differences)? (Circle number.)

- 1 Yes
- 2 No, skip to Q75

Who in the pharmacy department performs i.v. reconciliation?

- 1 Pharmacists
- 2 Pharmacy Technicians

How many times does this activity occur per patient room per day? (Enter number.)

_____ Times/day

Patient Monitoring, Clinical Services, Quality and Medication Safety

75. Does your institution have policies & procedures for high-risk medications? (Circle number and list medications.)

Setting	Policies and Procedures?		Drugs covered? (List)
a. Inpatient	1	Yes	
	2	No	
b. Clinic / procedure settings	1	Yes	
	2	No	
c. Retail settings	1	Yes	
	2	No	

76. Does your pharmacy information management system interface with the lab system? (Circle number).

- 1 Yes
- 2 No

77. Does your pharmacy information management system generate clinical alerts to pharmacists? (Circle number.)

- 1 Yes
- 2 No

78. What percentage of all inpatients have a dedicated unit-based pharmacist performing clinical activities such as reviewing patient records and drug orders for at least part of the day? (not including satellite based pharmacists) (Circle number.)

	AM Shift		PM Shift		Night Shift	
Weekdays	1	0%	1	0%	1	0%
	2	1-20%	2	1-20%	2	1-20%
	3	21-40%	3	21-40%	3	21-40%
	4	41-60%	4	41-60%	4	41-60%
	5	61-80%	5	61-80%	5	61-80%
	6	81-100%	6	81-100%	6	81-100%
Weekends	1	0%	1	0%	1	0%
	2	1-20%	2	1-20%	2	1-20%
	3	21-40%	3	21-40%	3	21-40%
	4	41-60%	4	41-60%	4	41-60%
	5	61-80%	5	61-80%	5	61-80%
	6	81-100%	6	81-100%	6	81-100%

79. For how many drug categories does your pharmacy currently have the authority by protocol to provide therapeutic interchange? (Enter number.)

_____ # of drug categories

80. What percentage of inpatient physician medication orders are intervened upon and modified by pharmacists? (*Ideally measured by number of interventions/number of orders*) (Circle number.)

- 1 0 - 1%
- 2 1.1 - 2%
- 3 2.1 - 3%
- 4 3.1 - 4%
- 5 4.1 - 5%
- 6 > 5%

81. When the following activities are needed, what percent of the time does pharmacy department staff provide the service? (Circle number.)

Activity	Percent of time pharmacy department provides service					
	0%	1-20%	21-40%	41-60%	61-80%	81-100%
a. Distribute large volume i.v. units to end users	1	2	3	4	5	6
b. Distribute i.v. sets	1	2	3	4	5	6
c. Distribute contrast media	1	2	3	4	5	6
d. Distribute radiopharmaceuticals	1	2	3	4	5	6
e. Mix and prepare chemotherapy i.v.s	1	2	3	4	5	6
f. Prepare all TPN i.v.s	1	2	3	4	5	6
g. Distribute albumin or FFP for nursing units and other end users	1	2	3	4	5	6
h. Provide other blood products (factors, etc.) for nursing units and other end users	1	2	3	4	5	6
i. Perform pain therapy service (management consultation)	1	2	3	4	5	6
j. Perform nutrition support consultation for patients on parenteral nutrition?	1	2	3	4	5	6
k. Provide pharmacokinetic consultation	1	2	3	4	5	6
l. Respond to Cardiopulmonary Resuscitation (CPR) episodes	1	2	3	4	5	6

82. How many **adult CPR** episodes do pharmacists respond to each year? (Enter number.)

_____ adult CPR / year

83. How many **pediatric CPR** episodes do pharmacists respond to each year? (Enter number.)

_____ pediatric CPR / year

84. How many **nutrition support** consultations are provided by pharmacists each year? (Enter number.)

_____ nutrition support consultations / year

85. How many **pharmacokinetic** consultations are provided by pharmacists each month? (Enter number.)

_____ pharmacokinetic consultations / year

86. For which medications do pharmacists routinely provide pharmacokinetic monitoring services and adjust doses of medications? When pharmacists provide pharmacokinetic monitoring services, who selects the patients for monitoring, and who orders the drug levels? (Circle number.)

Medication	Pharmacists provide pharmacokinetic monitoring or dose adjustment services	Who selects patients for monitoring?	Who orders drug levels?
Aminoglycosides	1 Yes 2 No	1 Pharmacy monitors all patients 2 Physician selects (order)	1 Pharmacist 2 Physician
Amiodarone	1 Yes 2 No	1 Pharmacy monitors all patients 2 Physician selects (order)	1 Pharmacist 2 Physician
Anticonvulsants	1 Yes 2 No	1 Pharmacy monitors all patients 2 Physician selects (order)	1 Pharmacist 2 Physician
Digoxin	1 Yes 2 No	1 Pharmacy monitors all patients 2 Physician selects (order)	1 Pharmacist 2 Physician
Immunosuppressants	1 Yes 2 No	1 Pharmacy monitors all patients 2 Physician selects (order)	1 Pharmacist 2 Physician

Lidocaine	1 Yes 2 No	1 Pharmacy monitors all patients 2 Physician selects (order)	1 Pharmacist 2 Physician
Methotrexate	1 Yes 2 No	1 Pharmacy monitors all patients 2 Physician selects (order)	1 Pharmacist 2 Physician
Procainamide	1 Yes 2 No	1 Pharmacy monitors all patients 2 Physician selects (order)	1 Pharmacist 2 Physician
Quinidine	1 Yes 2 No	1 Pharmacy monitors all patients 2 Physician selects (order)	1 Pharmacist 2 Physician
Theophylline	1 Yes 2 No	1 Pharmacy monitors all patients 2 Physician selects (order)	1 Pharmacist 2 Physician
Thiocyanate	1 Yes 2 No	1 Pharmacy monitors all patients 2 Physician selects (order)	1 Pharmacist 2 Physician
Vancomycin	1 Yes 2 No	1 Pharmacy monitors all patients 2 Physician selects (order)	1 Pharmacist 2 Physician
Other (specify _____)	1 Yes 2 No	1 Pharmacy monitors all patients 2 Physician selects (order)	1 Pharmacist 2 Physician

87. Does your hospital have renal dosing guidelines that enable the pharmacist to adjust doses of medications that may be toxic to patients with renal impairment (e.g., pharmacy dosing protocols)? (Circle number.)

- 1 Yes
- 2 No, skip to Q88

How many drug categories do pharmacists monitor patients with renal impairment? (Enter number.)

_____ drug categories

What percentage of all renal impairment patients are monitored? (Enter number.)

_____ % monitored

How are patients selected for renal monitoring? (circle number)

- 1 patients monitored on a physician consult basis
- 2 patients monitored automatically upon ordering a renally adjustable medication

88. Does your organization have “i.v. to oral” conversion guidelines enabling pharmacists to adjust patient drug therapy from the parenteral route of administration to the oral route for a pre-defined list of medications? (Circle number.)

- 1 Yes
- 2 No, skip to Q89

How many “i.v. to oral” conversion guidelines exist in your hospital?

_____ i.v. to oral conversion guidelines

When an i.v. to oral conversion is warranted, how are changes to drug therapy operationalized in your hospital? (Circle number.)

- 1 Pharmacists automatically make changes per protocol
- 2 A physician consultation is required before the change is implemented

Pharmacist Interviews

Pharmacist interviews are an effective practice for ensuring accurate medication history and allergy information in the patient record. Because of their training and expertise in pharmaceuticals (both prescribed and over the counter), hospital pharmacists collect more complete information in patient drug histories than nurses or physicians.

89. What percentage of all inpatients receive a pharmacist-conducted medication history interview upon hospital admission? (Circle number.)

- 1 0%
- 2 1-20%
- 3 21-40%
- 4 41-60%
- 5 61-80%
- 6 81-100%

How many pharmacy FTEs are dedicated to admission medication histories? (Enter number.)

_____ FTEs

How many total PHARMACIST FTEs are dedicated to admission medication histories? (Enter number.)

_____ FTEs

How many total TECHNICIAN FTEs are dedicated to admission medication histories? (Enter number.)

_____ FTEs

90. What percentage of inpatient discharges receive medication discharge counseling by an inpatient pharmacist? (Circle number.)

- 1 0%
- 2 1-20%
- 3 21-40%
- 4 41-60%
- 5 61-80%
- 6 81-100%

How many pharmacy FTEs are dedicated to discharge counseling? (Enter number.)

_____ FTEs

91. What percentage of all inpatients have a clinical pharmacist participating on multidisciplinary patient care rounds on weekdays M-F? (Circle number.)

- 1 0%
- 2 1-20%
- 3 21-40%
- 4 41-60%
- 5 61-80%
- 6 81-100%

92. Does your hospital pharmacy have a process for ensuring that eligible patients receive **vaccinations** for influenza and pneumococcus? (Circle number.)

- 1 Yes
- 2 No, skip to Q93

How many patients are screened annually by pharmacists? (Enter number.)

_____ Annual vaccination screenings by pharmacists

Medication Reconciliation

93. For medication reconciliation during the **admission** process, who does the medication reconciliation in your institution, and how is the workload distributed? (Circle and enter numbers; numbers must sum to 100%)

Type of Staff	Conduct medication reconciliation at admission?	Percent of all medication reconciliations conducted at admission?
Pharmacists	1 Yes	_____ %
	2 No	
Pharmacy Technicians	1 Yes	_____ %
	2 No	
Nurses	1 Yes	_____ %
	2 No	
Physicians	1 Yes	_____ %
	2 No	
Other (specify _____)	1 Yes	_____ %
	2 No	
Total (must sum to 100%)		100 %

94. For medication reconciliation during the **patient transfer** process, who does the medication reconciliation in your institution? (Circle and enter numbers; numbers must sum to 100%)

Type of Staff	Conduct medication reconciliation during patient transfer?	Percent of all medication reconciliations conducted during patient transfer?
Pharmacists	1 Yes	_____ %
	2 No	
Pharmacy Technicians	1 Yes	_____ %
	2 No	
Nurses	1 Yes	_____ %
	2 No	
Physicians	1 Yes	_____ %
	2 No	
Other (specify _____)	1 Yes	_____ %
	2 No	
Total (must sum to 100%)		100 %

95. For medication reconciliation during the **discharge** process, who does the medication reconciliation in your institution? (Circle and enter numbers, numbers; must sum to 100%.)

Type of Staff	Conduct medication reconciliation at discharge?		Percent of all medication reconciliations conducted at discharge?
Pharmacists	1	Yes	_____ %
	2	No	
Pharmacy Technicians	1	Yes	_____ %
	2	No	
Nurses	1	Yes	_____ %
	2	No	
Physicians	1	Yes	_____ %
	2	No	
Other (specify _____)	1	Yes	_____ %
	2	No	
Total (must sum to 100%)			100 %

96. How many pharmacy FTEs are dedicated to medication reconciliation? (Enter number.)

a. At admission _____ FTEs

b. At patient transfer _____ FTEs

c. At discharge _____ FTEs

Monitoring in Clinic Settings

97. Does your health-system provide care to patients in outpatient clinic settings? (Circle number.)

1 Yes

2 No, skip to Q98

What is the number of clinics supported by the pharmacy department? (Enter number.)

_____ # of clinics

In your clinic settings, do pharmacists **manage medication therapy** (e.g., initiating or modifying a patient’s medication therapy; ordering and performing laboratory and related tests; based on patient response to therapy) for those patients with complex and high-risk medication regimens, in **collaboration** with other members of the health-care team? (Circle number.)

- 1 Yes
- 2 No, skip to Q98

In how many clinics is pharmacists collaborative drug therapy management provided? (Enter number.)

_____ # of clinics

Resource Utilization/Cost Reduction

98. Does your pharmacy department use carousel technology for asset management? (Circle number.)

- 1 Yes
- 2 No, skip to Q99

Does your carousel system use automated inventory replenishment? (Circle number.)

- 1 Yes
- 2 No

99. For the last fiscal year, what was your hospitals? (Enter number.)

a. Inpatient drug expense per year	\$ ____ , ____ , ____
b. Oncology clinic administered	\$ ____ , ____ , ____
c. Clinic administered, not including oncology (infusion center, dialysis, ER, clinics, etc)? (Should include IV solutions, premixed IV solutions, dialysis solutions, but not radio-contrast media)	\$ ____ , ____ , ____
d. Retail	\$ ____ , ____ , ____
TOTAL (a+b+c+d)	\$ ____ , ____ , ____

100. What was your last total value of inpatient pharmacy drug inventory at cost? (Enter number.)

\$ _____, _____, _____

What is the date that this inventory was last taken? (Enter year.)

____/____/200__ (mm/dd/yyyy)

Does the total value indicated above include fluids, blood products or other items not purchased by the department of pharmacy? (Circle number.)

- 1 Yes
- 2 No, skip to Q101

What products are included in your inventory that are not purchased by the pharmacy department? (List products.)

- 1 _____
- 2 _____
- 3 _____

101. What are your facility's inpatient pharmacy inventory turns per year? (Enter number.)

_____ turns per year

102. What is your total annual pharmacy department operating expense? (Enter number.)

\$ _____, _____, _____

Of your total annual pharmacy department operating expense, how much is expended on drugs? (Enter number.)

\$ _____, _____, _____

Of your total annual pharmacy department operating expense, how much is expended on personnel? (Enter number.)

\$ _____, _____, _____

Of your total annual pharmacy department operating expense, how much is expended on "other" (non-drug or personnel)? (Enter number.)

\$ _____, _____, _____

103. RESULTS: The following are the percent of operating expenses for drugs, personnel and other expenses

a. Percent of operating expenses for drugs _____ %

b. Percent of operating expenses for personnel _____ %

c. Percent of operating expenses for "other" expenses _____ %

104. Please answer whether the hospital's expense for the following products are reported within your pharmacy budget: (Circle number.)

Health systems have many different strategies for budgeting and cost containment. Variability exists based on the cost center through which drug purchasing is done, which may lead to a discrepancy when comparing institutions that have high cost medications covered under a pharmacy cost center.

Please use the following scale for this question:

1 = 0% **2 = 1-20%** **3 = 21-40%** **4 = 41-60%** **5 = 61-80%** **6 = 81-100%**

Drug Product	Percentage of total hospital INPATIENT purchases that fall within the pharmacy department budget	Percentage of total hospital OUTPATIENT CLINIC purchases that fall within the pharmacy department budget??)
a. Albumin	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6
b. Anesthesia Agents	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6
c. Chemotherapeutic Agents	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6
d. Factor Products (Factor VIIa, VIII, IX)	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6
e. Immune Globulins (IVIG)	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6
f. i.v. Contrast Media	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6
g. Radiopharmaceuticals	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6

105. What are the costs for the following drug products for your inpatient operation and your ambulatory / clinic operations? (Enter number.)

Drug Product	Total Inpatient Cost per Year	Total ambulatory/clinic cost per year	Total hospital cost Per Year
a. Albumin	\$ ____, ____, ____	\$ ____, ____, ____	\$ ____, ____, ____
b. Anesthesia Agents	\$ ____, ____, ____	\$ ____, ____, ____	\$ ____, ____, ____
c. Chemotherapeutic Agents	\$ ____, ____, ____	\$ ____, ____, ____	\$ ____, ____, ____
d. Factor Products (Factor VIIa, VIII, IX)	\$ ____, ____, ____	\$ ____, ____, ____	\$ ____, ____, ____
e. Immune Globulins (IVIG)	\$ ____, ____, ____	\$ ____, ____, ____	\$ ____, ____, ____
f. i.v. Contrast Media	\$ ____, ____, ____	\$ ____, ____, ____	\$ ____, ____, ____
g. Radiopharmaceuticals	\$ ____, ____, ____	\$ ____, ____, ____	\$ ____, ____, ____

106. List **(in descending order)** your top 5 **clinic-administered** drug expense items from the past 12 months, including the total dollar amount spent on that drug. (Include ER, cath lab, infusion center, & transplant clinic in these calculations) (List drug and enter number.)

<i>Clinic Administered Drug</i>	Total dollar amount
1.	
2.	
3.	
4.	
5.	

107. List **(in descending order)** your top 5 **inpatient** drug expense items from the past 12 months, including the total dollar amount spent on that drug. (List drug and enter number.)

<i>Inpatient Drug</i>	Total dollar amount
1.	
2.	
3.	
4.	
5.	

108. Does your pharmacy participate in an indigent care program? (Circle number.)

- 1 Yes
- 2 No, skip to Q109

What are the estimated annual savings from operating this program? (Enter number.)

\$ _____ annual savings

How many FTEs are dedicated to this program? (Enter number.)

- a. Pharmacist FTEs _____ FTEs
- b. Technician FTEs _____ FTEs

109. Is your hospital participating in the 340b Drug Pricing Program (also known as PHS Pricing or 602 Pricing) for **outpatient/retail drug purchases**? (Circle number.)

- 1 Yes
- 2 No

110. Is your facility participating in the 340b Drug Pricing Program (also known as PHS Pricing or 602 Pricing) for **facility sponsored clinics**? (Circle number).

- 1 Yes
- 2 No

111. As a 340b covered organization, is your hospital accessing the lower inpatient pricing being offered by pharmaceutical manufacturers? (Circle number.)

- 1 Yes
- 2 No

112. If you participated in the Institute for Safe Medication Practices (ISMP) Self Assessment Survey for Hospitals, what was your most recent cumulative score? (Enter number.)

_____ ISMP Self Assessment Survey for Hospitals score

What year was your most recent ISMP survey completed? (Enter number.)

_____ year (e.g., 2004)