

APPENDIX

Appendix I. Thank you for taking your time to help us out with our survey. Your participation gives us invaluable feedback and helps us improve our ED services.

Survey time: 10-15 minutes.

1	What is your role in the Emergency Department (ED)?	MD attending	MD resident	NP/PA	RN	
2	What is your gender?	Male	Female			
3	How many years of experience do you have in emergency medicine?	0-1	2-5	6-10	>10	
4	How many years of experience do you have in this ED?	0-1	2-5	6-10	>10	
5	How many times in your last 5 shifts in the ED during which an ED pharmacist was on duty, have you consulted the emergency pharmacist? (select one)	Multiple times	At least once per shift	A few times	Not at all	
6	Which of the following do you think is the most important in maximizing the emergency pharmacist's contribution to medication safety? (select one)	Attend Codes/ Resuscitations	Order Review	Being available for consult	Staff Education	Patient education
7	Which of the following types of orders should the emergency pharmacist check before they are administered? (select ALL that apply)	All orders	Urgent orders	Non-urgent orders	High risk medications	Rarely used medications
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
8	The presence of an ED pharmacist improves quality of care in ED					
9	The ED pharmacist is an integral part of the ED team					
10	I make more use of a pharmacist when they are located in the ED as opposed to when I have to call the pharmacy					
11	It is helpful to me when the emergency pharmacist checks medication orders before they are carried out					
12	The presence of the emergency pharmacist during resuscitations enhances my ability to deliver safe quality care to patients					
13	The emergency pharmacist is a valuable teaching resource					
14	The emergency pharmacist is valuable as a patient educator					
I find the emergency pharmacist to be useful in the following situations:		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

15	Selection of an appropriate ANTIBIOTIC					
16	Selection of OTHER MEDICATIONS (i.e. advice on which is most appropriate)					
17	Consultation regarding medication INTERACTIONS					
18	Consultation regarding medications in PREGNANCY					
19	Consultation regarding medications in TOXICOLOGY					
20	Assistance with PROCEDURAL SEDATION					
21	Participation in RESUSCITATIONS					
22	Making medication decisions based on PRICING					
23	Making medication decisions based on EFFICACY					
24	We are present in the ED 7 days per week from 15:30 until midnight. Expanding our hours would be beneficial to the ED.					
25	Thank you for your participation in this survey and your strong support of our presence in the past year. We are continuously striving to improve our services in the ED and any additional comments are appreciated. Thank you.					

Appendix 2. Unedited examples of free-text responses regarding clinical pharmacists working in the emergency department

General Praise answer examples:

1. "The ED pharmacists are an incredible resource!"
2. "Really appreciate your outstanding work. I don't know how we got on without you guys!"
3. "Having a pharmacist in the ED is the single BEST improvement I've seen in this ED since I've been here (1999). ED pharmacist is amazing as a patient and staff educator and for any consultations. Pharmacists should be in ED longer hours. I have called the inpatient pharmacist during off hours, and they are far far far less useful."
4. "I was initially skeptical of how much improvement an ED Pharmacist could contribute to ED care, however I am now aware of how much clinical care and teaching is greatly improved with and ED Pharmacist. I work at another facility and I am advocating for the addition of and ED Pharmacist there. There is not a single shift where I do not learn more about medications and clinical care now that we have such wonderful resources, not to mention the greatly improved relationship with Pharmacy that we now share."

Constructive Feedback answer examples:

1. "We love our ED pharmacists. Make sure to help us in our teaching mission and put all of us-- but especially residents-- on the spot to choose a med, the dosing and reasoning before giving input. There is a chance your support may make us lazy. But overall an amazing resource!"
2. "I love having you guys there! One potential way to help even more is in making suggestions about things like sedation (ie. reminding MDs that we can give kids intranasal fentanyl and midazolam) when they've written for repeated doses of PO or IM meds."
3. "Fantastic! Expanding hours would be great and overall you are a phenomenal resource in the ED. Thank you!"
4. "When introducing a new pharmacist into the ED, I think a longer period of training should be required because it is different in the ED then anywhere else in the hospital." [Comment reflecting the addition of a third pharmacist to EPh team after the initial year]

Negative Comments example:

1. "Medication deliver has never been slower. This has to improve."