

# Physician Approaches to Drug Shortages in Pediatric Hematology/Oncology

You are being asked to participate in a survey research project entitled "Physician Approaches to Drug Shortages in Pediatric Hematology/Oncology" which is being conducted by Jill Beck, MD MS, assistant professor of Pediatrics at the University of Nebraska Medical Center in Omaha, Nebraska (IRB# 291-15-EX). This survey is anonymous. No one, including the researcher, will be able to associate your responses with your identity. Your participation is voluntary. You may choose not to take the survey, to stop responding at any time, or to skip any questions that you do not want to answer. The survey will take approximately 10 minutes to complete. Your completion of the survey serves as your voluntary agreement to participate in this research project.

Questions regarding the purpose or procedures of the research should be directed to Jill Beck, MD MS at 402-559-7257 or [jill.beck@unmc.edu](mailto:jill.beck@unmc.edu).

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## Demographics

What is your current position?

- Attending pediatric hematologist/oncologist, currently practicing
- Fellow in pediatric hematology/oncology
- Retired pediatric hematologist/oncologist
- Non-practicing pediatric hematologist/oncologist
- Other

Please specify:

\_\_\_\_\_

What type of patients do you currently see in your practice? Please mark all that apply.

- Oncology
- Hematology
- Stem cell transplant
- I do not see patients
- Other

Please specify:

\_\_\_\_\_

How would you describe your practice?

- Academic medical center
- Community/private institution
- Other

Please specify:

\_\_\_\_\_

How many years has it been since you completed your pediatric hematology/oncology fellowship?

- < 5
- 5-10
- 11-20
- >20

What is your gender?

- Male
- Female

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**Experiences with Drug Shortages**

Have drug shortages directly affected your patients?

- Yes  
 No

What type of agents?

- Chemotherapy  
 Non-chemotherapy

Are you aware of drug shortages at your institution, but they have not directly affected your patients?

- Yes  
 No

What type of agents?

- Chemotherapy  
 Non-chemotherapy  
 I don't know

How do you find out about drug shortages? Please mark all that apply.

- I don't  
 Pharmacist  
 List or website  
 Nurses  
 Other doctors  
 Other

Please specify:

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Does your institution have a program or policy to handle drug shortages?

- Yes  
 No  
 I don't know

Do you think a program or policy is necessary?

- Yes  
 No

Who makes the decision about distribution of shortage drugs at your institution? Please mark all that apply.

- Physician  
 Pharmacist  
 Hospital administration  
 Parent  
 Nurse  
 Panel/group  
 Ethics committee  
 I don't know  
 Other

Please specify:

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Who should make the decision about distribution of shortage drugs? Please mark all that apply.

- Physician  
 Pharmacist  
 Hospital administration  
 Parent  
 Nurse  
 Panel/group  
 Ethics committee  
 I don't know  
 Other

Please specify:

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**Distribution of Shortage Drugs**

**Please rank the following statements about distribution of shortage drugs from strongly disagree to strongly agree.**

Order of arrival (first come-first served) should impact the priority given to a patient.

Strongly disagree                      Neutral                      Strongly agree

=====

(Place a mark on the scale above)

A patient with longer anticipated survival should be given priority over a patient with shorter anticipated survival.

Strongly disagree                      Neutral                      Strongly agree

=====

(Place a mark on the scale above)

A patient with fewer co-morbidities should be given priority over a patient who has more co-morbidities.

Strongly disagree                      Neutral                      Strongly agree

=====

(Place a mark on the scale above)

Younger patients should receive priority over older patients.

Strongly disagree                      Neutral                      Strongly agree

=====

(Place a mark on the scale above)

A patient using a drug for an approved indication should have priority over a patient using the drug for off-label use.

Strongly disagree                      Neutral                      Strongly agree

=====

(Place a mark on the scale above)

A patient using the shortage drug for curative intent should be prioritized over a patient using the shortage drug for palliation.

Strongly disagree                      Neutral                      Strongly agree

=====

(Place a mark on the scale above)

A patient who is starting therapy should be prioritized over a patient who has nearly completed therapy.

Strongly disagree                      Neutral                      Strongly agree

=====

(Place a mark on the scale above)

A patient needing a small dose of a shortage drug should be prioritized over a patient needing a larger dose.

Strongly disagree                      Neutral                      Strongly agree

=====

(Place a mark on the scale above)

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**Please rank the top three criteria that should be used for shortage drug distribution.**

	1	2	3
Order of arrival	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Survival	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-morbidities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Age	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drug indication	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amount of therapy completed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amount of drug/dose	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Comments:

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