

Revamping the Pediatric Hematology Oncology Learning Experience



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Background

The Pediatric Hematology Oncology (PHO) rotation is a challenging part of resident education and has not increased resident interest in the field. Few studies aiming at improving resident education in Hematology and Oncology exist in the pediatric literature.

Objective

- Aim 1: Improve resident satisfaction and knowledge within the PHO rotation by implementing a standardized curriculum.
- Aim 2: Increase interest in PHO as a sub-specialty to generate enthusiasm in our field.

Methods

- A 9-question survey was distributed via email to 2nd and 3rd year residents (30) who completed the PHO rotation over the previous academic year (2021-22).
- Multiple choice questions assessing their satisfaction with and use of the current curriculum.
- Our survey included open-ended questions evaluating their requested topics of interest and use of alternative resources.

Results

PHO Curriculum Questionnaire

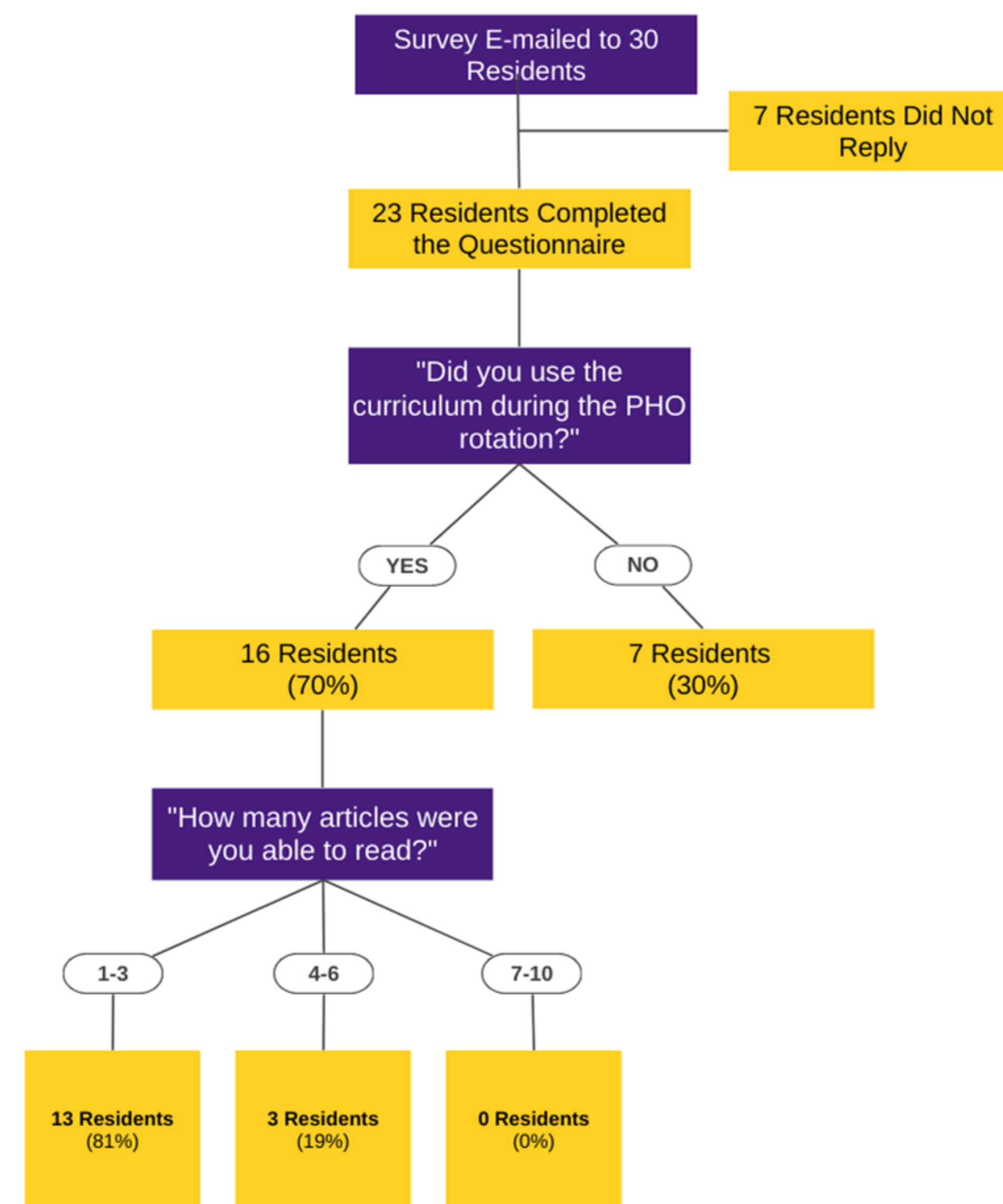


Figure 1: Resident Responses to a Section of the PHO Curriculum Questionnaire

Resident Preferred Format for PHO Educational Materials

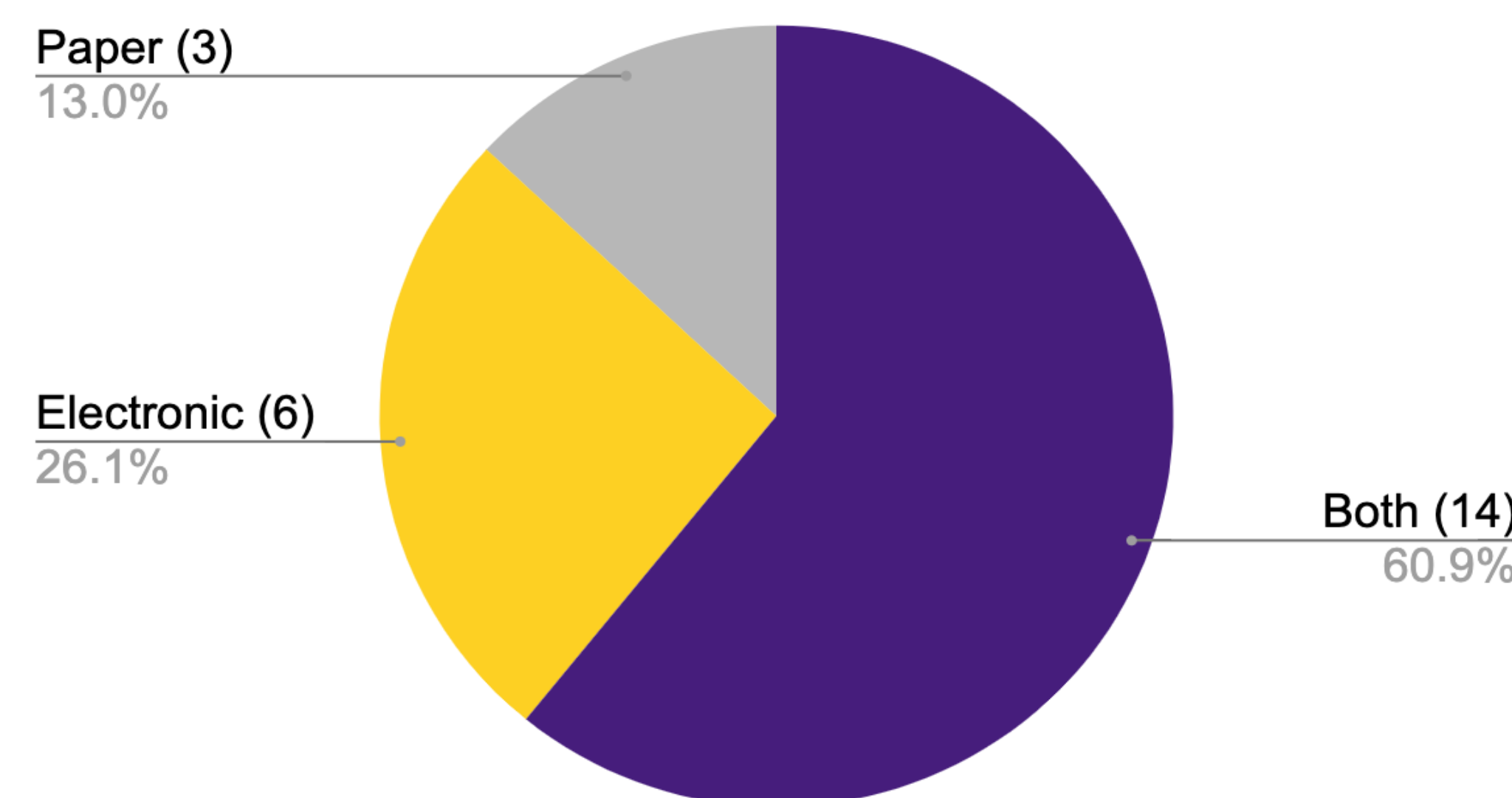


Figure 3: Resident Preferred Format for PHO Educational Materials

Most Common Requested Additional Topics:

- Blood Products
- Transfusion Reactions
- Anemia Management

Barriers to Residents Reading PHO Curriculum Articles

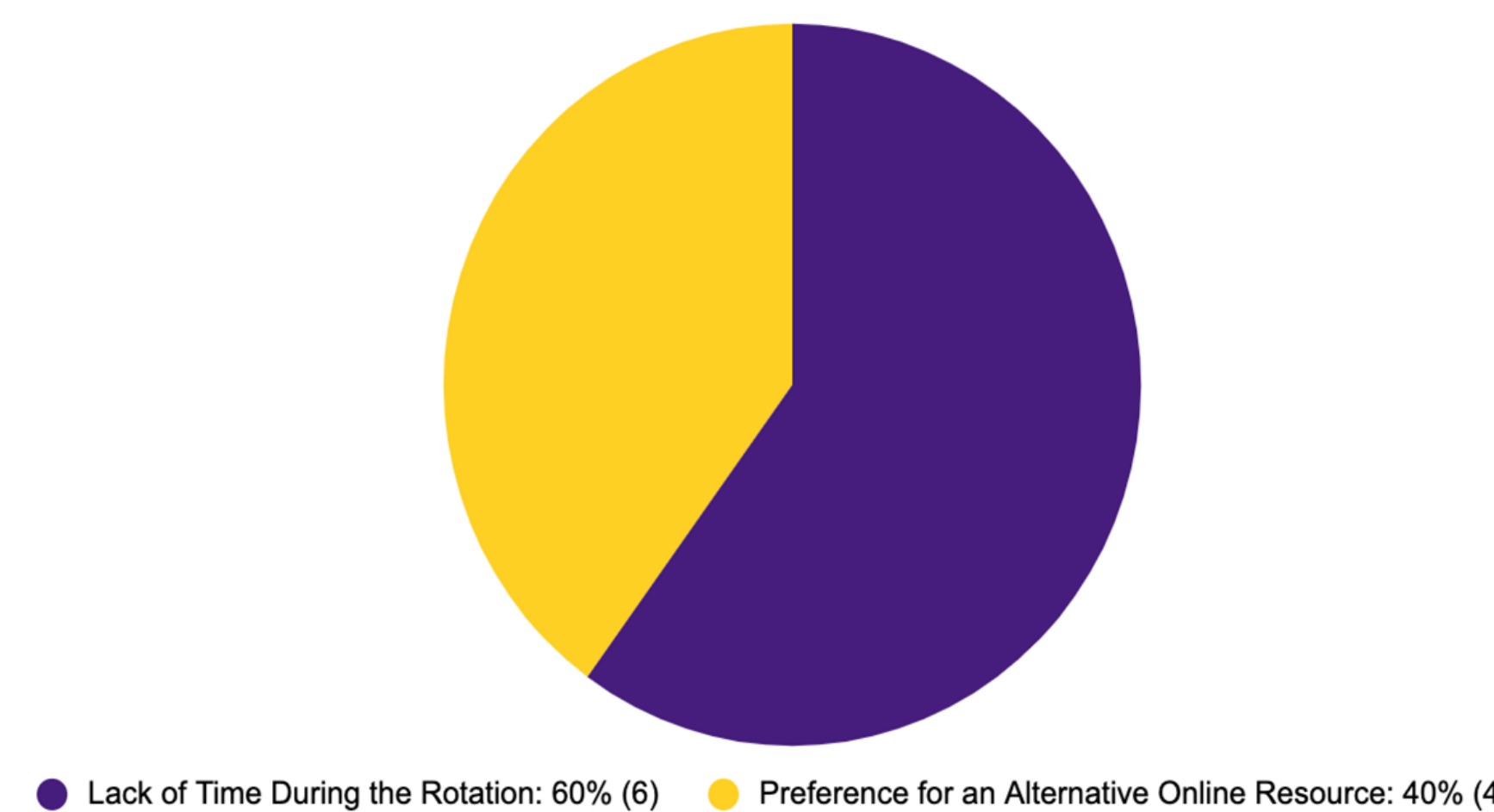


Figure 2: Resident Reported Barriers to Reading PHO Curriculum Articles

Most Common Read Articles By Residents in the PHO Curriculum

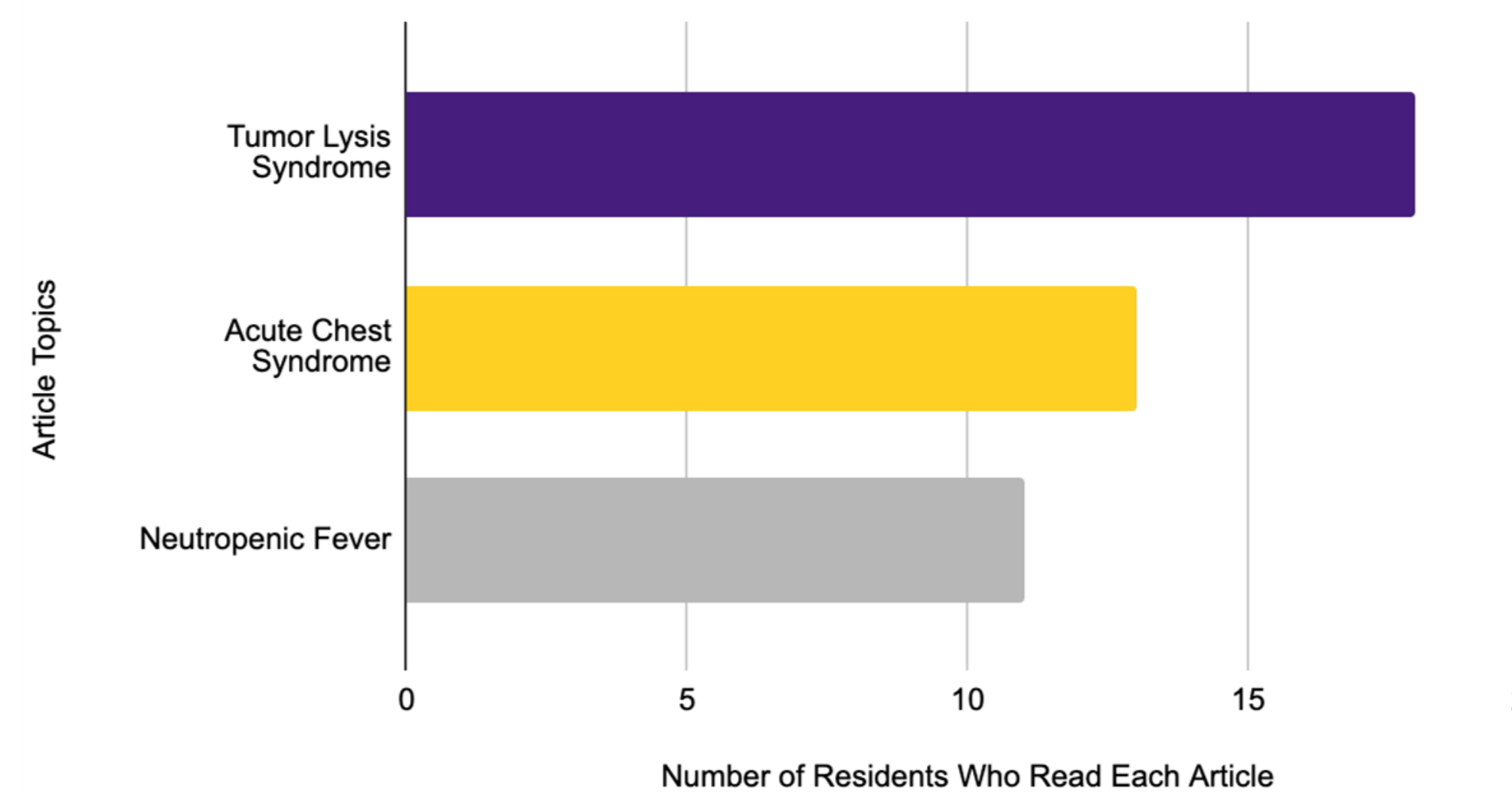


Figure 4: Most Common Read Articles By Residents in the PHO Curriculum

Conclusion

- A portion of our residents will prefer an updated version of our PHO curriculum.
- A new curriculum must be easily accessible.
- Several frequently requested topics are missing from our current curriculum among them are transfusion reactions, blood products, and anemia management.
- Our next step will be the creation of an online curriculum to both capture resident interest and improve the PHO learning experience.
- Implementing a curriculum like ours may promote interest in the field of PHO and could be replicated among other pediatric subspecialties to improve pediatric resident education overall.

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