

# A Curriculum for Implementing Pharmacogenomics Clinics in Hospitals

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## BACKGROUND

- Pharmacogenomics knowledge can help providers make more informed decisions regarding drug selection, drug doses, and adverse event monitoring
- One of the largest challenges facing the implementation of new pharmacogenomics programs is a knowledge gap
- Only a relatively small number of publications address the education and training involved in the implementation of a pharmacogenomics clinic
- Other educational resources/courses vary in terms of cost, CE credit/certificate offered, healthcare professional focus, time, etc.

## OBJECTIVES

- To develop a curriculum and associated training focused on implementation of a clinic.
- Educate clinic pharmacists to confidently make pharmacogenomic recommendations in a clinic setting
- Curriculum and training designed specifically for use at St. Louis Children's Hospital, but with minimal changes can be tailored to all new clinics

## METHODS



## OUTCOMES

- The curriculum and associated training were created and the curriculum outline was included in Appendix A of paper.

## DISCUSSION

### Strengths

- Design incorporates all clinic-specific information into one unit for easy adjustments to additional sites

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- The training materials were compiled entirely from publicly available sources. This allows it to be easier to share, and will always be free.

### Limitations

- Lack of continuing education hours, certificate, or other tangible incentive for completion of the training
- Publicly available education materials may be less concise and focused than developed materials

### Impact

- This curriculum and associated training will directly impact the quality of patient care delivered at the St. Louis Children's Hospital Pharmacogenomics Clinic and hopefully patients at future clinics as well

## NEXT STEPS

- Deliver the training and assess the pharmacist's perception of the modules and readiness for clinic duties after education.
- Evaluate pharmacists knowledge with assessment style questions.
- Demonstrate how to utilize the curriculum at sites other than St. Louis Children's Hospital