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INTRODUCTION

- Patients with dihydropyrimidine dehydrogenase (DPD) deficiency are at high risk for severe and toxicity from fluoropyrimidine **(FP)** fatal chemotherapy^[1]
- Pre-treatment *DPYD*/DPD testing is standard of care in many countries but not the United States (US)^[2]
- <u>Objective:</u> Assess current pre-treatment DPYD testing implementation approaches in the US

METHODS

• Respondents

• US sites that have implemented pre-treatment **DPYD** testing or plan to implement soon

• Survey

• 22-item online survey distributed via relevant organizations (MASCC, PGRN, CPIC) and social networks from August through October 2023

• Asked about the site's DPYD testing program, test ordering, interpreting including and reporting

Data Analysis

 Data from 24 unique sites were analyzed using descriptive analysis

- **54%**



 Implementation approaches vary, and many sites lack robust, institution-wide systems to maximize testing effectiveness

These findings underline the need for best practices implementation

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