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### Prevalence of Iron Deficiency in Patients with Inherited Bleeding Disorders

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# **Prevalence of Iron Deficiency in Patients with Inherited Bleeding Disorders**

# Thomas Cochran MD, Brian Lee PhD MPH, Shannon Carpenter MD MS

# **Children's Mercy Kansas City**

### **Objective**

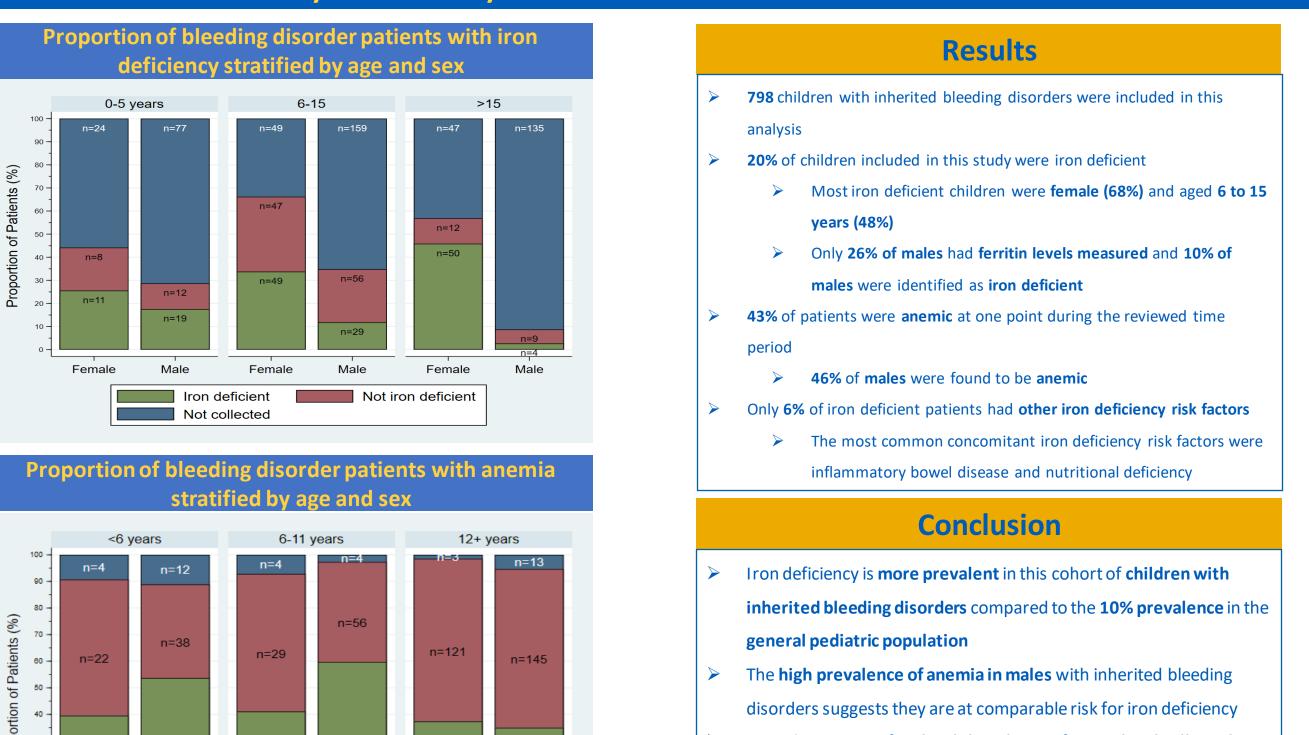
> Identify the prevalence of iron deficiency in children with an inherited bleeding disorder

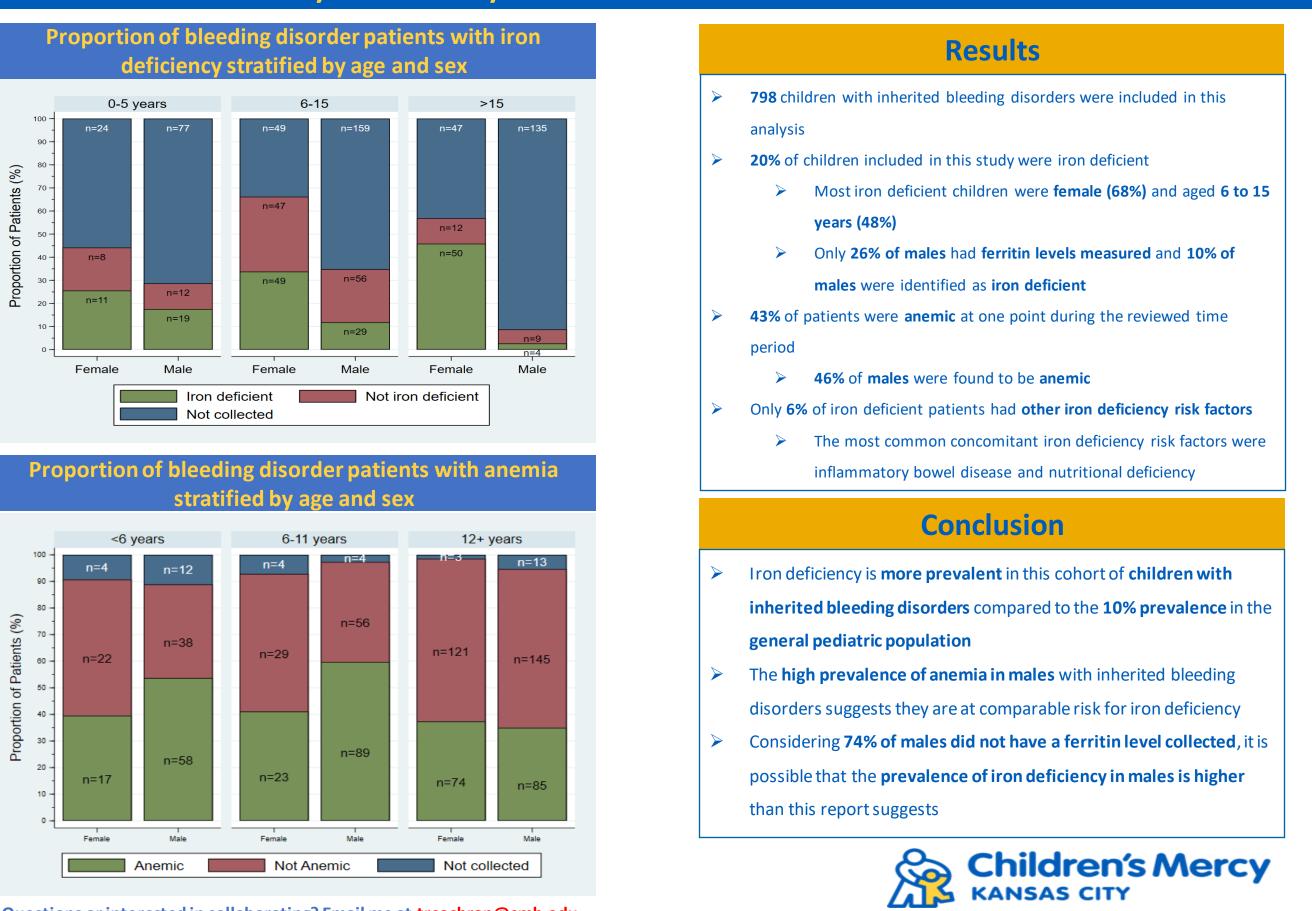
## **Background**

- $\succ$ **Iron deficiency** is an important but frequently overlooked problem in children with inherited bleeding disorders
- Chronic blood loss commonly leads to iron deficiency and anemia
- Children with bleeding disorders have a greater propensity for blood loss and therefore may have a higher prevalence of iron deficiency compared to the general pediatric population
- Few studies have assessed the prevalence of iron deficiency in children with inherited bleeding disorders
- Prior epidemiologic analysis of iron deficiency is primarily focused on adolescent females

### **Methods**

- >We performed a retrospective analysis of children with any inherited bleeding disorder seen at Children's Mercy Hemophilia Treatment Center between 2010 and 2020
- **Iron deficiency defined** using recently updated ferritin thresholds  $\succ$ outlined by the National Health and Nutrition Examination Surveys
- $\geq$ Children were categorized as iron deficient if ferritin was below threshold at any visit during the reviewed time period
- >Lowest hemoglobin and concomitant iron deficiency risk factors were included in the analysis





#### Questions or interested in collaborating? Email me at trcochran@cmh.edu