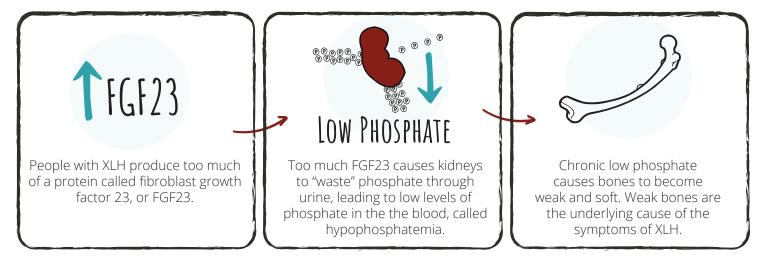
WHAT IS XLH?

X-linked hypophosphatemia (XLH)

is a hereditary, progressive, lifelong disorder.

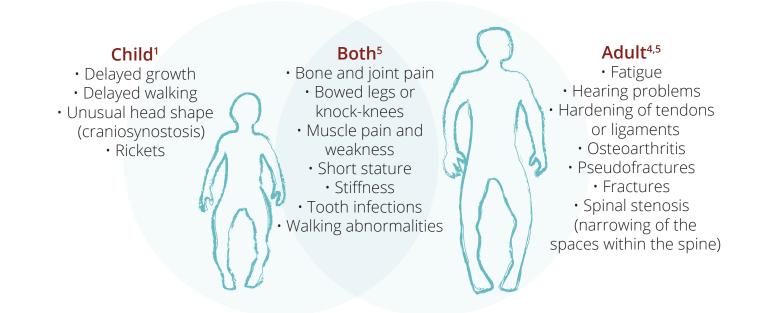


XLH SYMPTOMS

Symptoms vary from person to person and affect children and adults differently. The first and most noticeable signs are bowed legs or knock-knees, which first appear when a child begins to walk.¹ XLH is rare, occurring in about **12,000** people in the U.S.

~3,000 ~S children ad







A LIFELONG CONDITION

XLH is progressive and can impact physical function.

Skeletal deformities, pain, stiffness and fatigue can:²

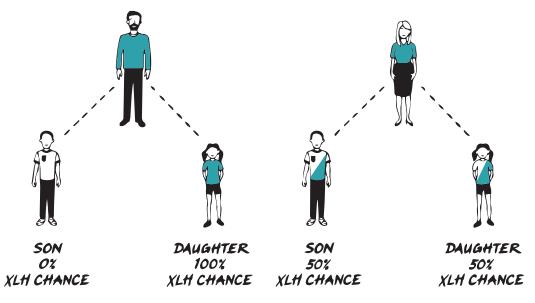
- Limit mobility
- Decrease range of motion
- Cause disability

WHO GETS XLH?



XLH is usually inherited. A mutation in the PHEX gene, which is carried on the X chromosome, is passed down from a parent to a child.

Because men have only one X-chromosome, a man with XLH will pass along the condition to **all** of his daughters, but to **none** of his sons. A woman with XLH has a **50%** chance of having a child with XLH because all children inherit one X-chromosome from their mother.



References

1. What is XLH? The XLH Network Board of Directors. ; August, 2017. Available at: https://xlhnetwork.org/what-is-xlh/. Accessed February 5, 2018.

2.Skrinar A, Marshall A, San Martin J, Dvorak-Ewell M. X-linked hypophosphatemia (XLH) impairs skeletal health outcomes and physical function in affected adults. Poster presented at: Endocrine Society 97th Annual Meeting and Expo, San Diego, Calif., March 7, 2015. Abstract #PP29-3.

3.Hereditary hypophosphatemic rickets. *Genetics Home Reference;* January, 2018. Available at: https://ghr.nlm.nih.gov/condition/hereditary-hypophosphatemic-rickets. Accessed February 5, 2018. 4.Melinda S Sharkey, Karl Grunseich, Thomas O Carpenter. Contemporary Medical and Surgical Management of X-linked Hypophosphatemic Rickets. *The American Academy of Orthopaedic Surgeons*. July 2015; http://www.ncbi.nlm.nih.gov/pubmed/26040953.

5.Linglart A. Biosse-Duplan M. Briot K. et al. Therapetuic management of hypophosphatemic rickets from infancy to adulthood. Endocr Connect. 2014 March 1; 3(1):R13-R30. 6.Gaucher, C, Walrant-Debray O, Nguyen TM, et al. PHEX analysis in 118 pedigrees reveals new genetic clues in hypophosphatemic rickets. *Hum Genet*. 2009;125(4):401-411.