Partners: SoLaHmo, UMN, West Side, Phalen Pharmacy, Sun Pharmacy


Purpose:
- Identify whether allopurinol is an effective medicine
- Determine if one genetic variation influences effectiveness

Methods:
- Measured pharmacokinetics, pharmacodynamics, and pharmacogenetics for allopurinol
- Conducted focus groups about patient experiences with gout

Results:
- Allopurinol reduces uric acid for all patients—most effectively for those with one genetic variation
- Hmong patients do not take meds because meds are not curative, do not reduce pain well, and are harmful—could harm kidneys, but kidneys are not harmed.
- One genetic variation is higher in Hmong, which both increases uric acid level and increases sensitivity of allopurinol action

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