

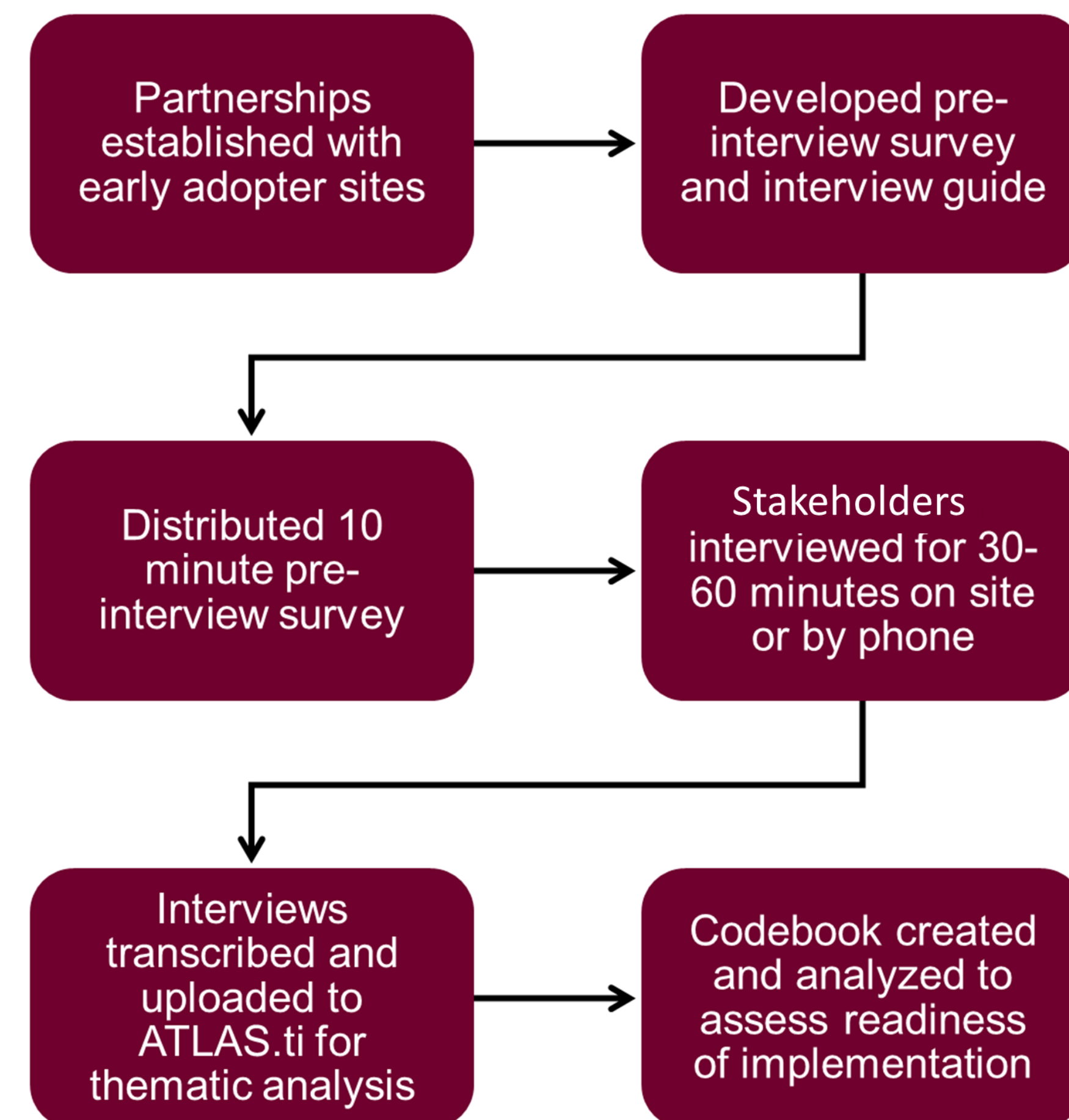
# Pharmacogenetics in pediatric psychiatry: Considerations for implementation in rural communities



**Presented by:**  
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**BACKGROUND:** Youth in rural areas of the United States face higher rates of psychiatric disorders and suicide. Pharmacogenetics can improve treatment for these patients; however, implementation of new technologies in rural, resource-limited areas is challenging.

## METHODS:



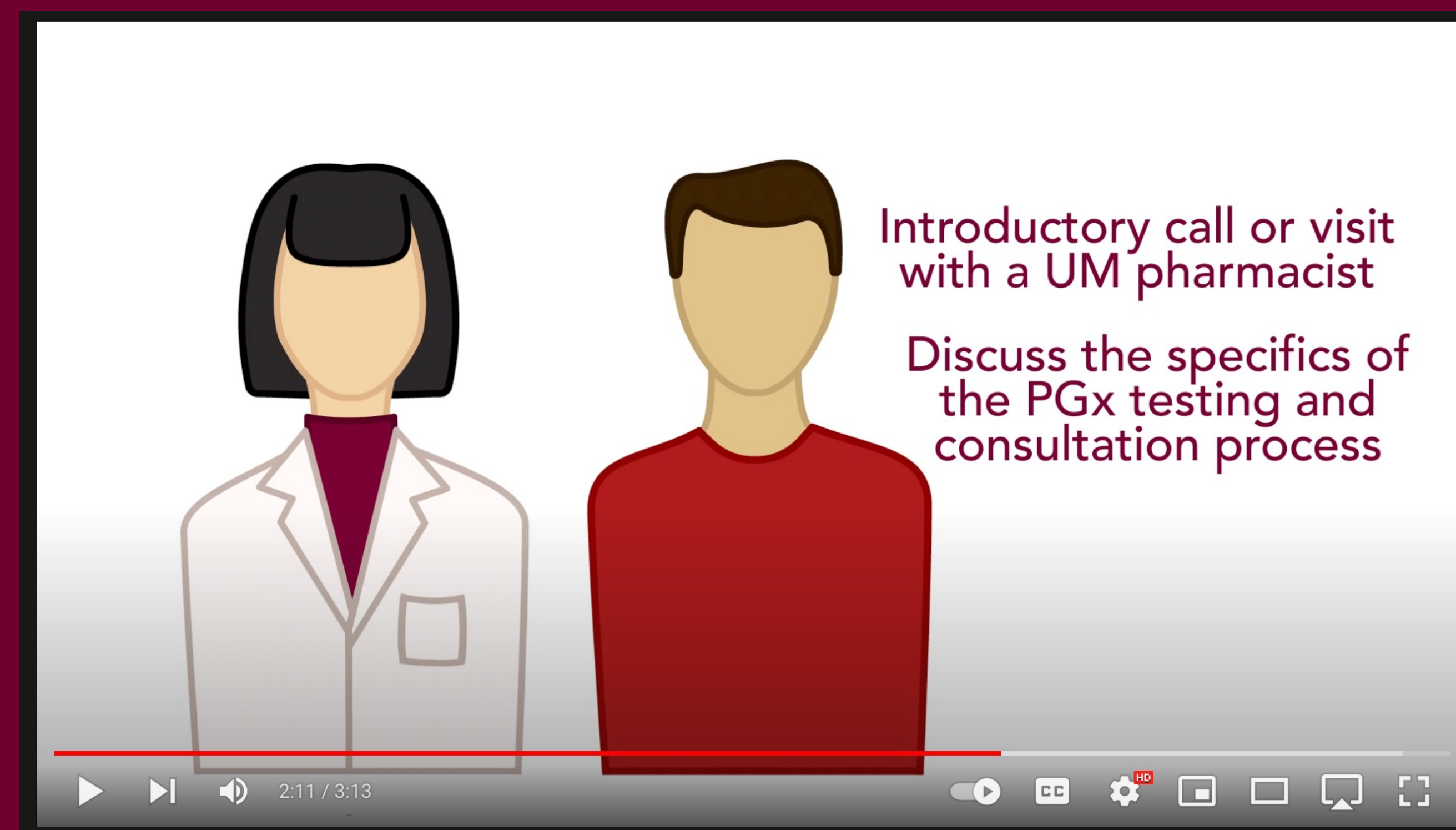
**RESULTS:** We focused our pre-implementation strategy on:

- Identifying pharmacist champions
- Developing telehealth protocol
- Methods of accessing pharmacogenetics expertise
- Educational resources



**IMPACT:** Our research provides a framework for implementing a pharmacogenetics service in rural areas.

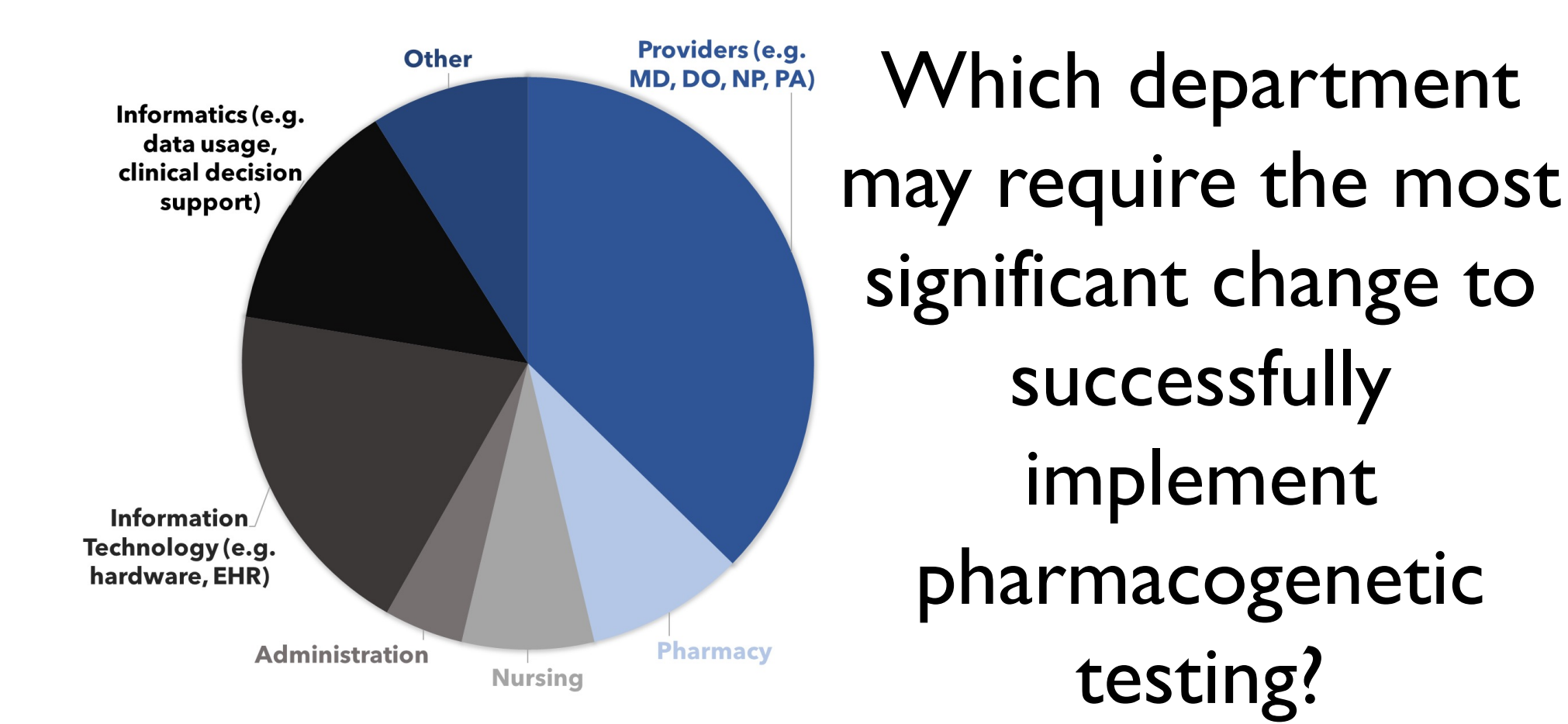
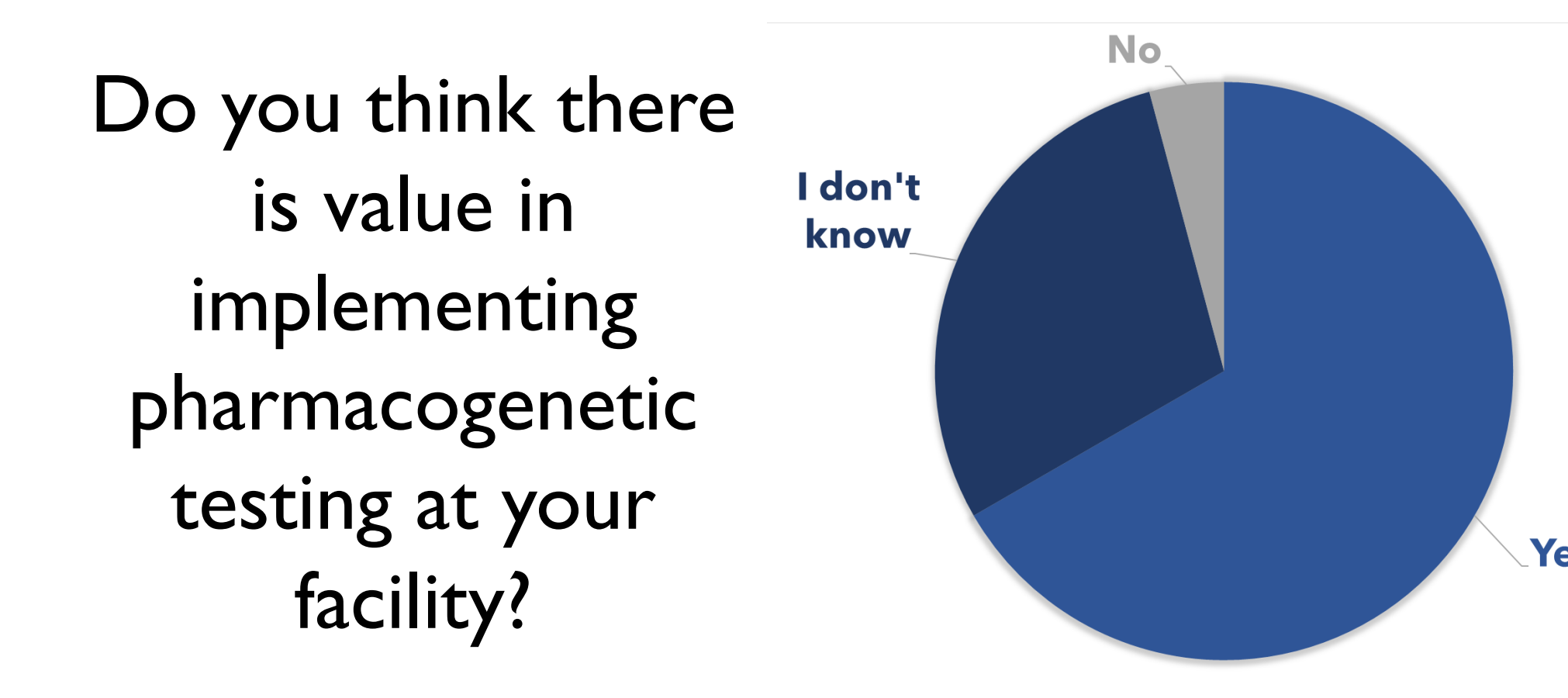
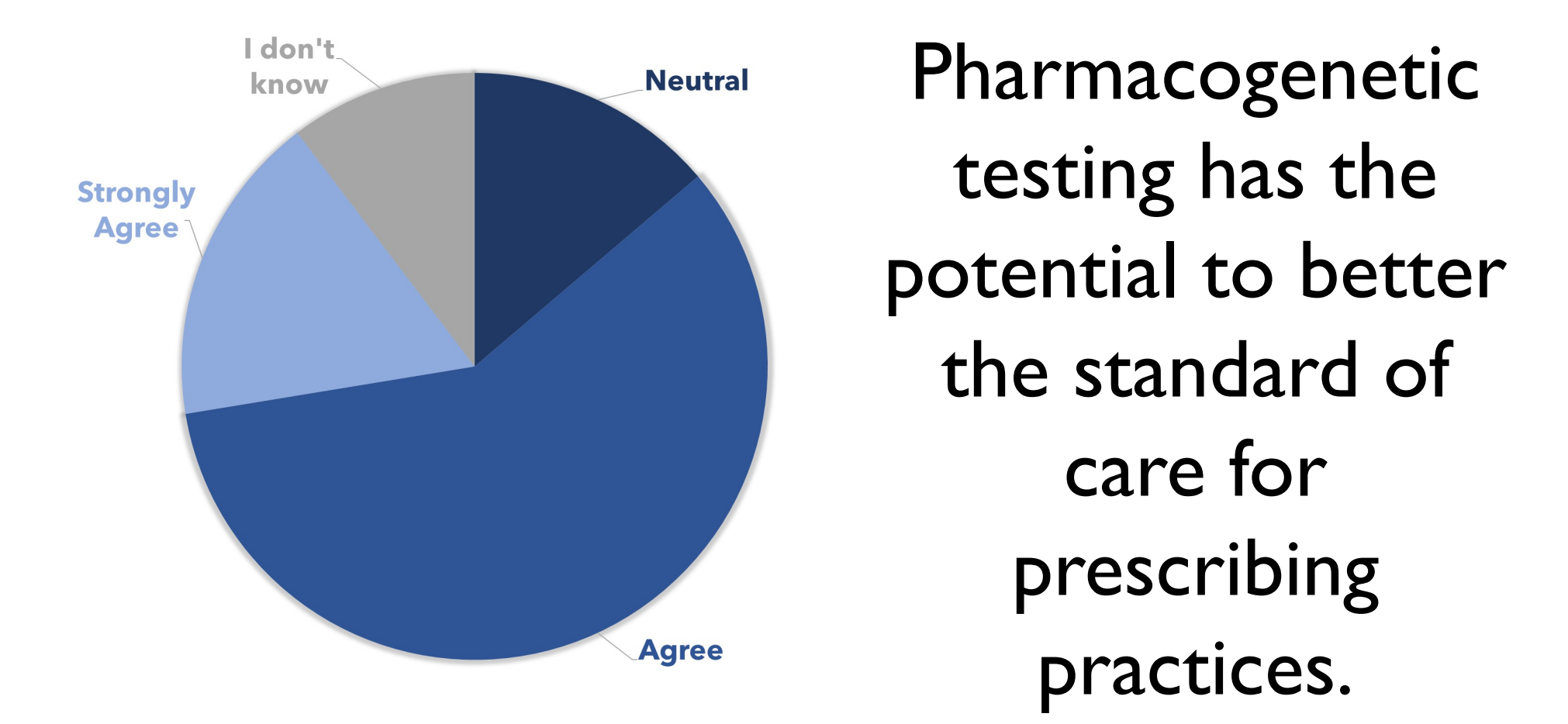
# Ensuring equitable access to pharmacogenetic testing and expertise requires internal champions, innovative delivery systems, and curated resources.



Take a picture to watch our patient education video!



Major Themes:	Sample Quote:
Strong clinical utility among pediatric, psychiatric patients	"In family practice, my biggest challenge was a patient that came in with anxiety and depression and maybe some suicidal ideation and then <b>you're just picking one of many [medications] out of a magic hat and saying, "All right, let's try it."</b> [...] and these medicines take so long to work, so you can't have them come back three days later and say, "Are you feeling better?" because that's not a reliable expectation of the medicine."
Necessary to address historical challenges and anticipated obstacles	"I think it was being over utilized, payment sources are hard, insurance couldn't get paid for. I feel like we have to do better about deciding, like you're saying, who should get it in the first place?"
Positive perceptions of a centralized telehealth service	"Looking at providers around Montana, an outcome for me would be the opportunity to <b>become a really valuable resource to rural frontier providers so that they can refer to us for a genetics consult.</b> But, if they can refer for pharmacogenetic testing, and if we can do it in a <b>timely cost-effective manner so they can make treatment decisions, then we become an invaluable partner to them.</b> "



**Karen E. Brown, Tianna M. Leitch, Shayna Killam, Kirk C. Katseanes, Kathleen M. George, Joshua Loveland, Corbin Schwanke, Abdallah F. Elias, Susan B. Trinidad, Erica L. Woodahl**