

Research Symposium-The AI Revolution in Hearing Health: Smarter Tech, Greater Access

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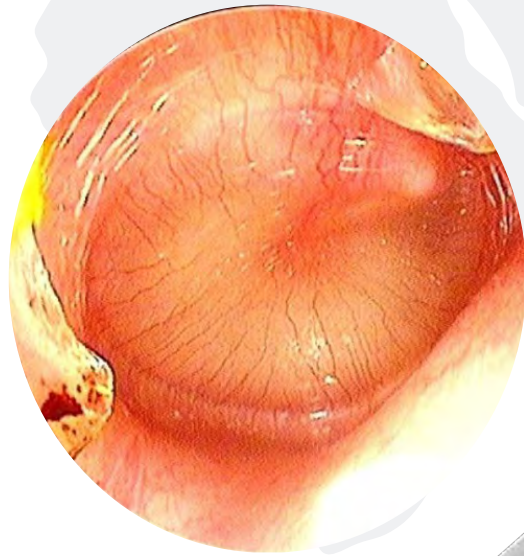


Disclosures

- No financial disclosures



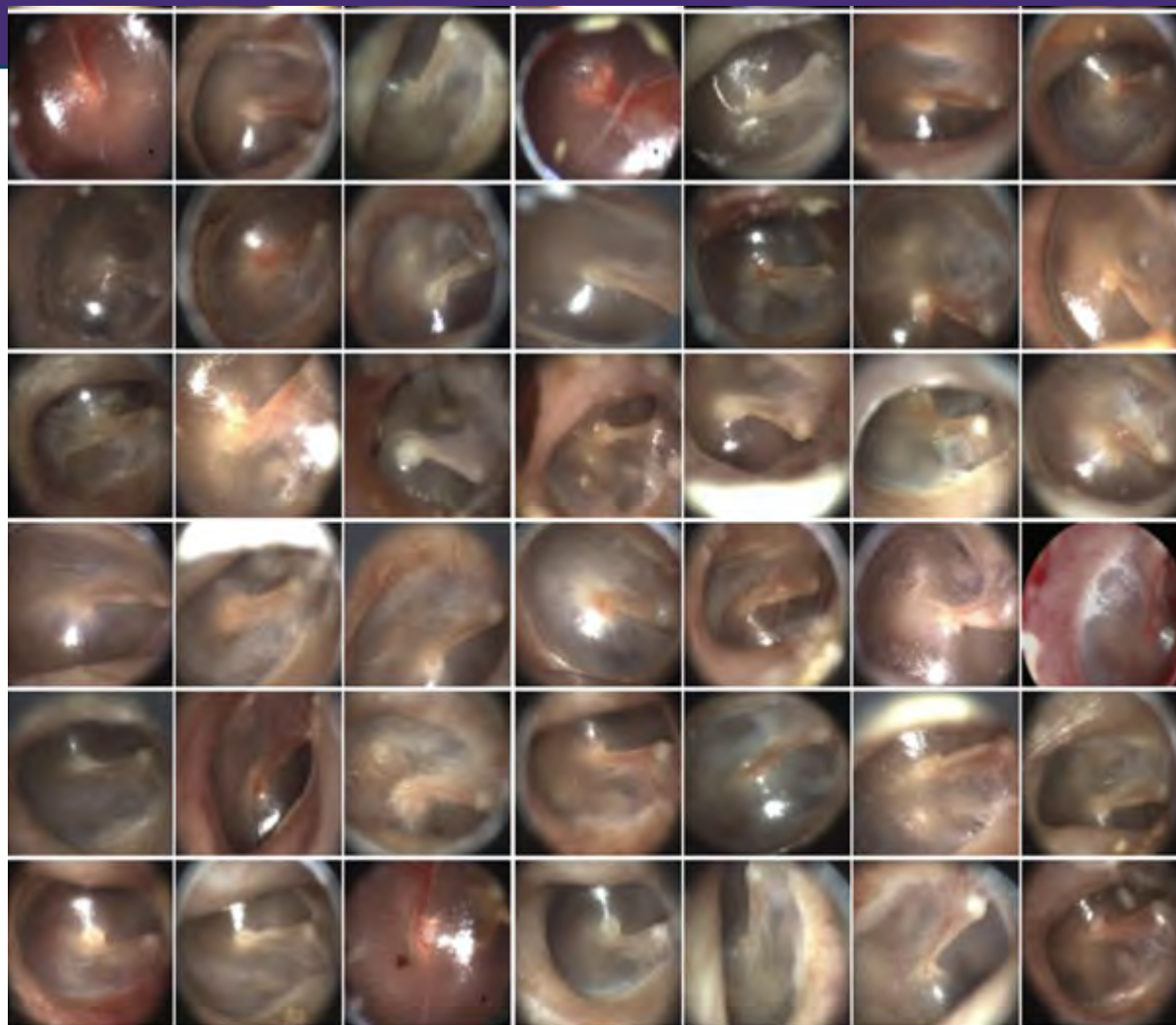
Preventable Hearing Loss



Lifelong Impact



What if...



Xu Y et al. *PLOS One* 2026

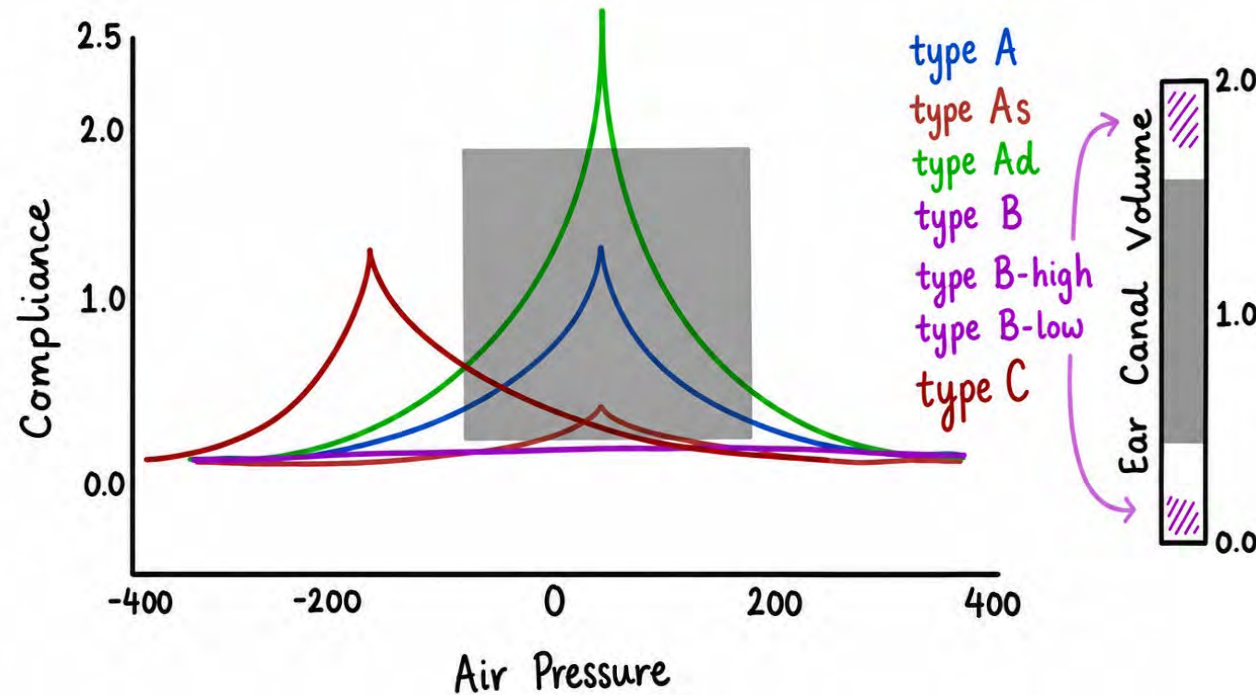
Better Together



Tympanometry

20%

[Robler et al 2023](#)



@LK.Aud

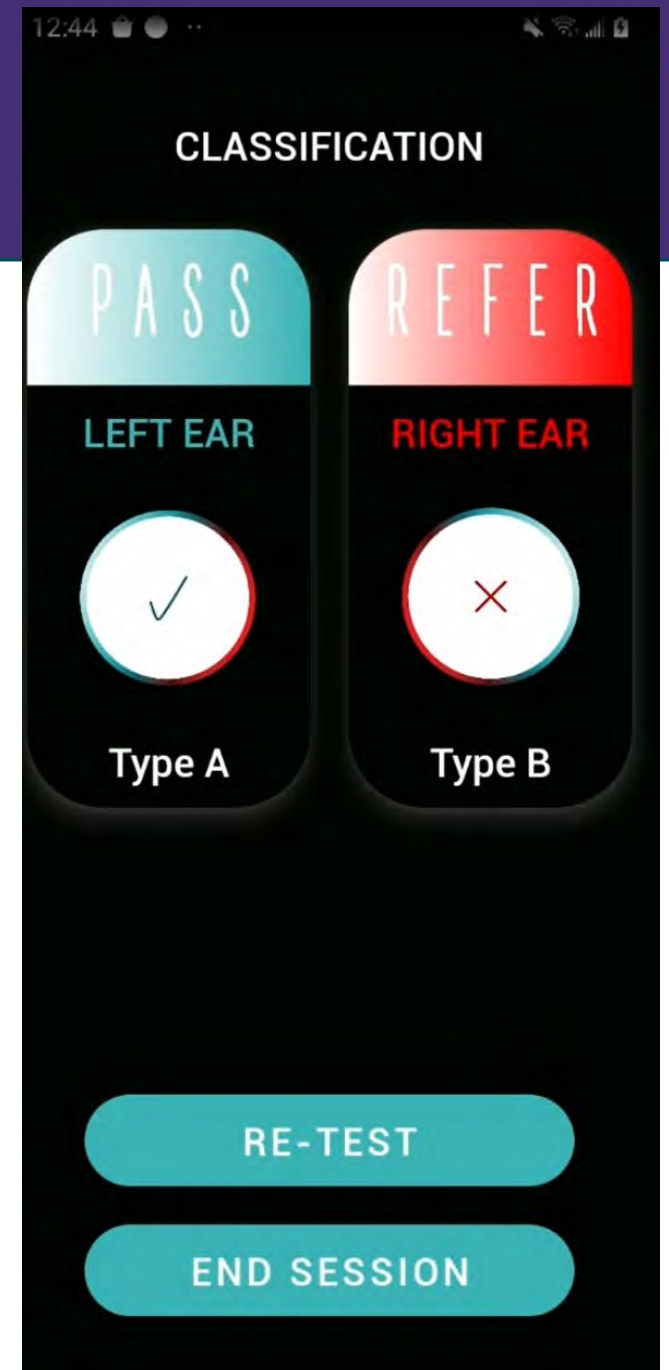
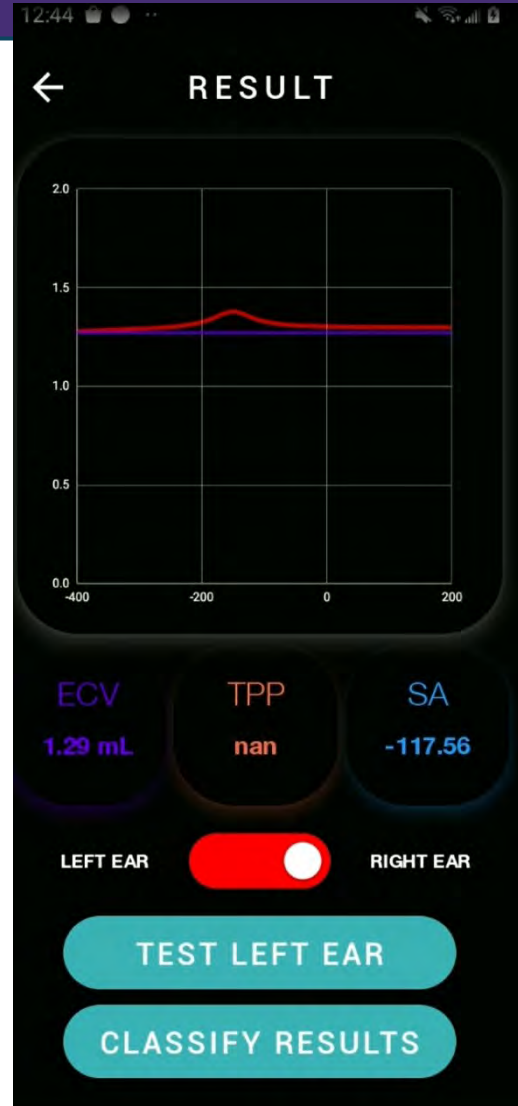
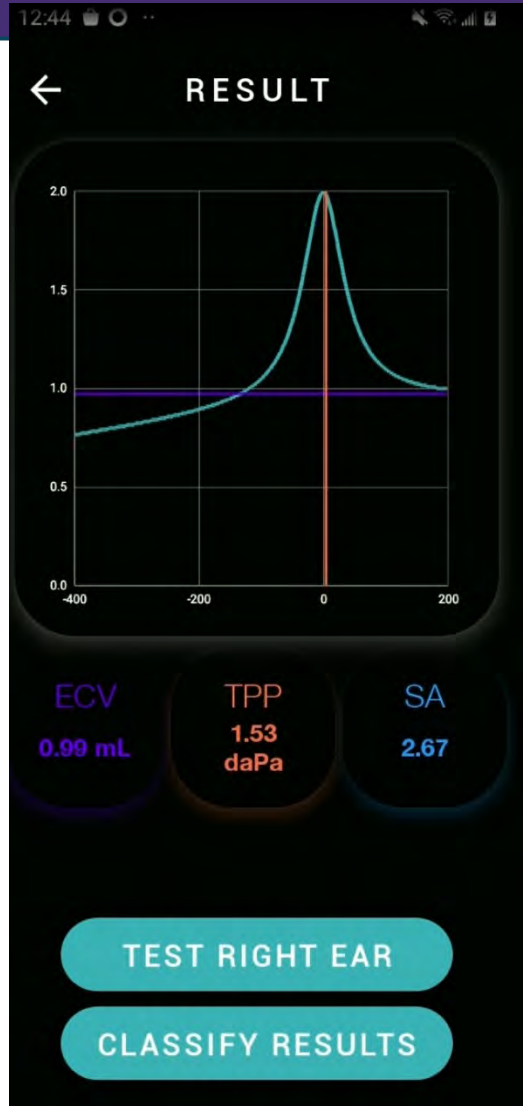
When a Critical Piece of Technology Doesn't Exist Build It



R&D



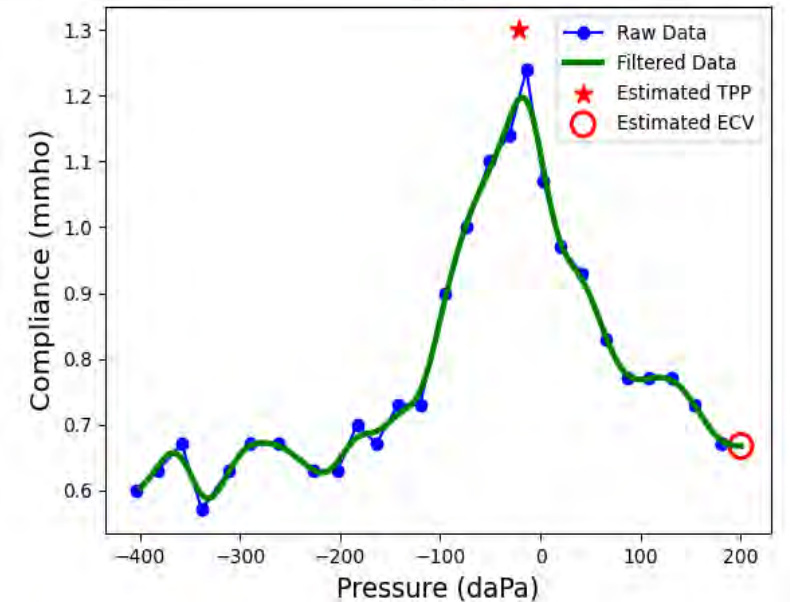
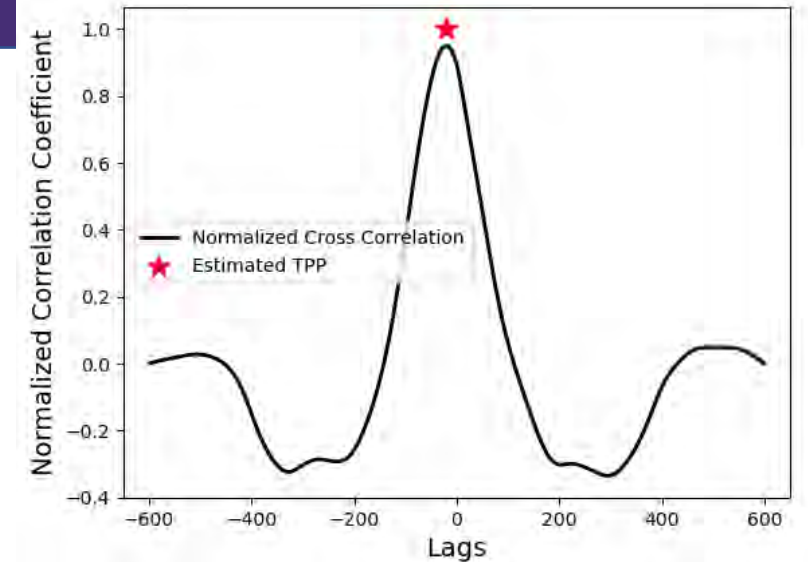
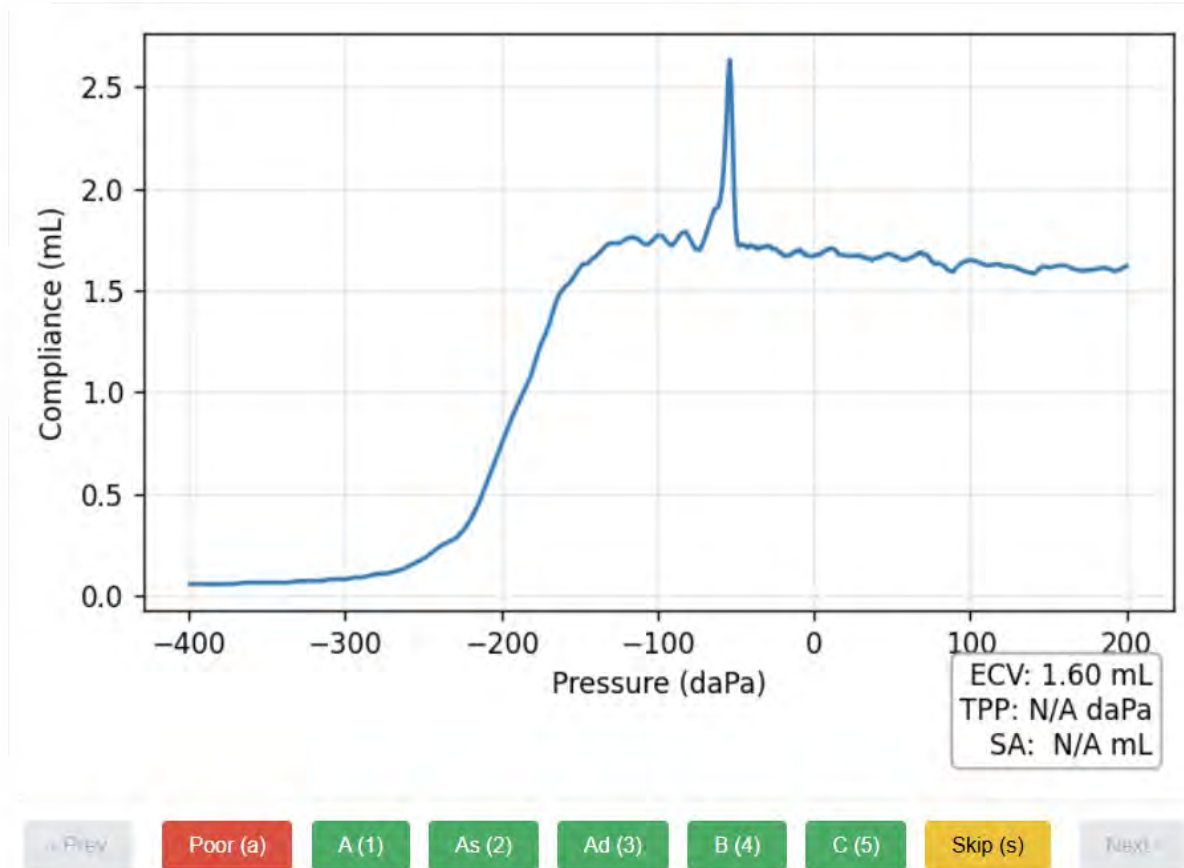
ML Classification





Advancing Algorithms for Accuracy: Simple Math

Confidence Ratings on Acquisition and Classification

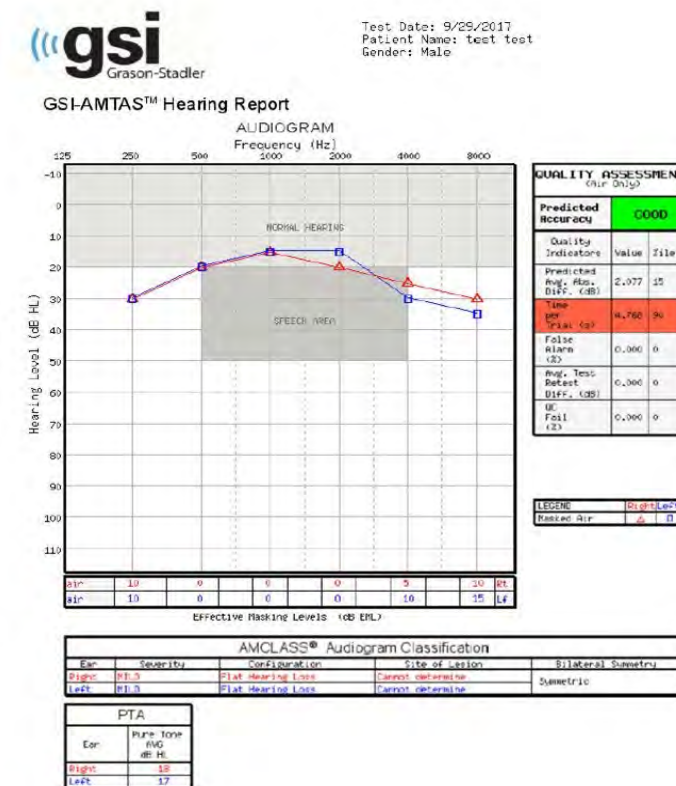


AI in Hearing Diagnostics

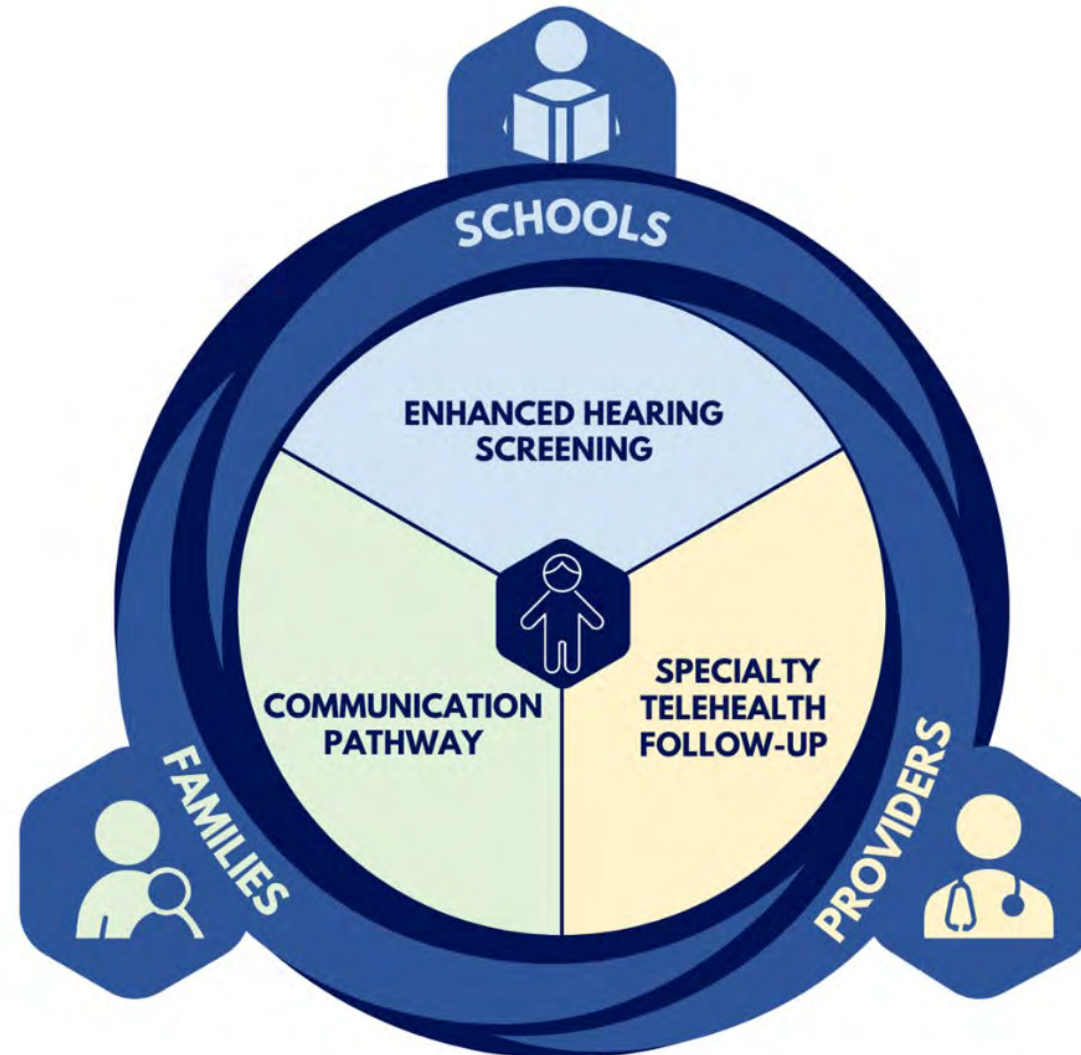


- Automated
- Machine learning

[Barbour et al 2019](#), [Wasmann et al 2022](#)



STAR Model



Novel Screening Platform for Rural Schools



TrioConnect: First-Ever Software Solution to Link Education and Healthcare



Empowering rural schools with smart solutions for healthcare access

A documentation and communication platform to bridge the gap between schools, families, and healthcare professionals.

Login



Effortless Data Upload

Easily upload student lists and manage medical screening devices.



Automated Screening Analysis

Quickly process screening data to identify potential hearing issues.

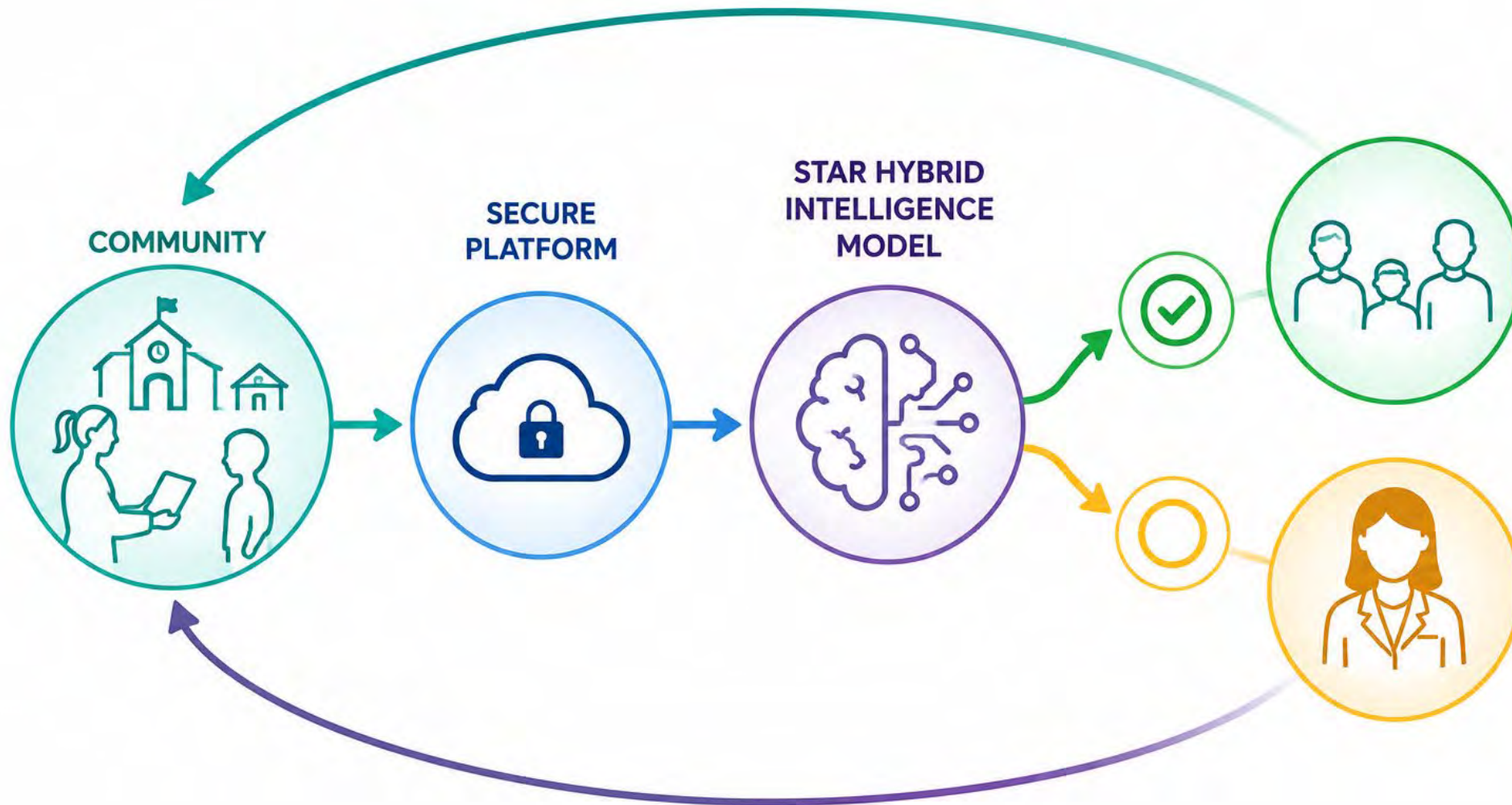


Seamless Communication

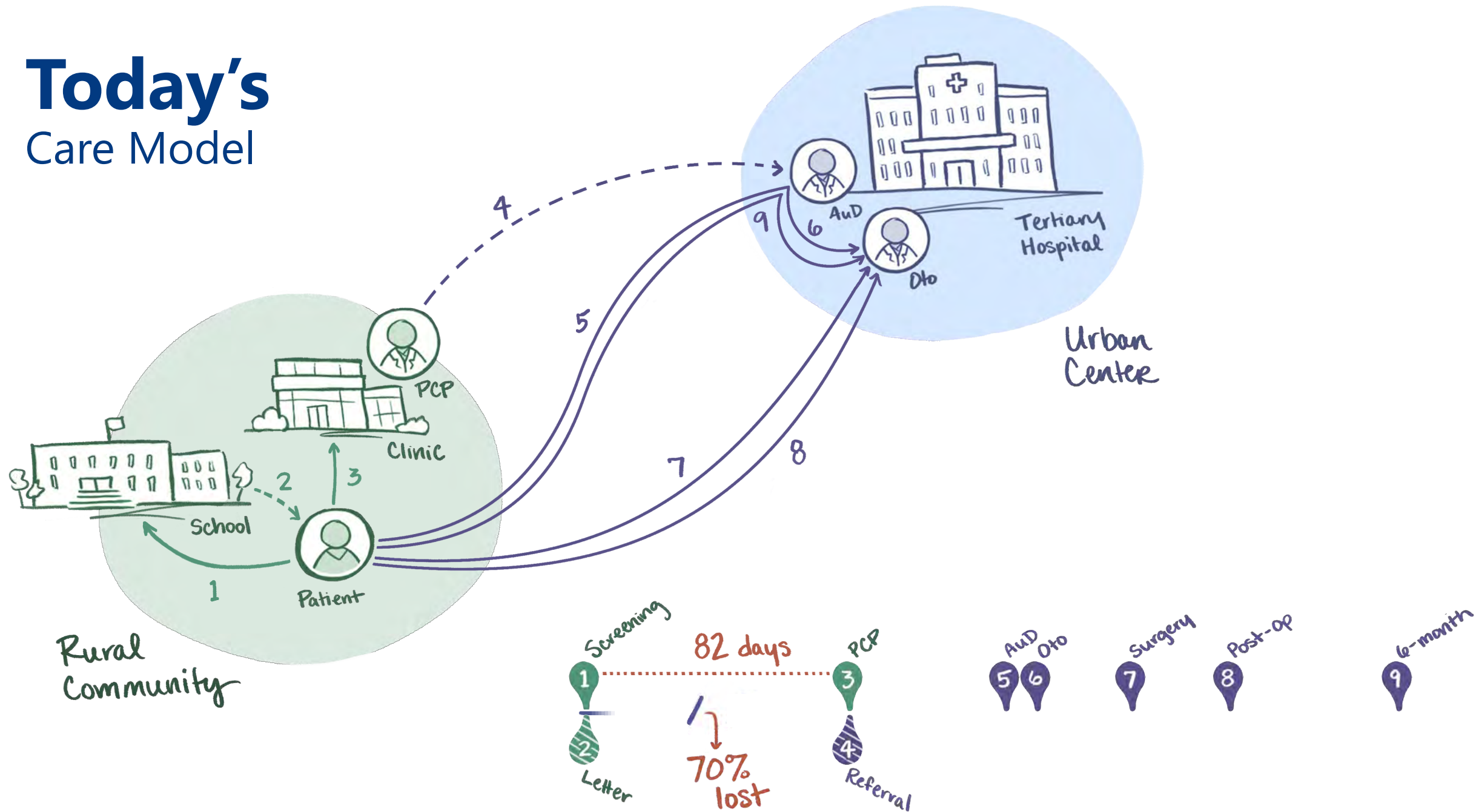
Streamline communication between schools, healthcare providers, and families.

TrioConnect is dedicated to helping rural school districts manage preventive health screenings more effectively. Our innovative platform makes it easy to upload student lists, analyze screening data, and communicate with families and healthcare professionals. TrioConnect links schools with healthcare providers to ensure students receive the care they need for a bright and successful future.

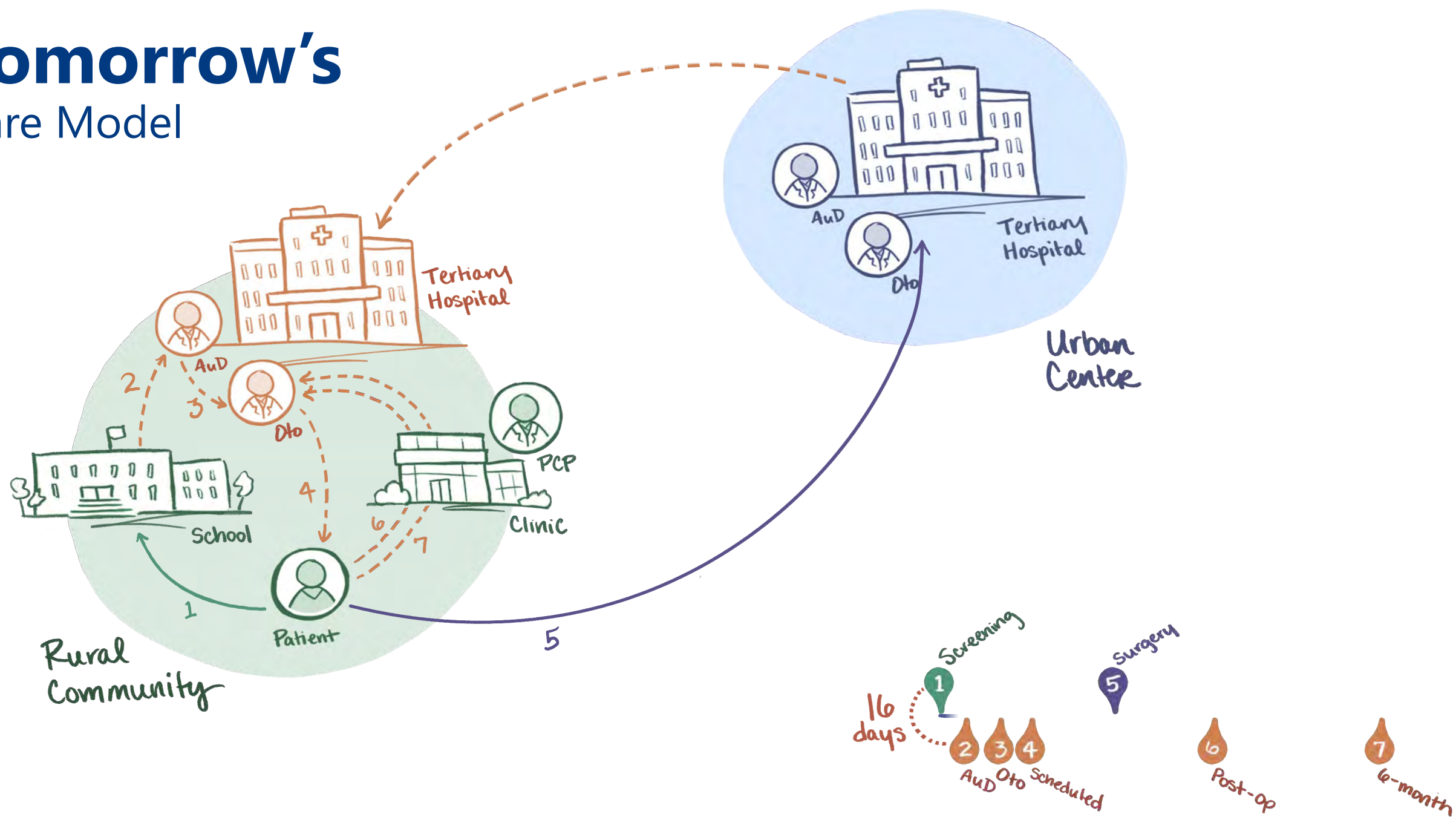
Future Work



Today's Care Model



Tomorrow's Care Model



Stay in Touch

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