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|  | **Hypothesis Prioritization** | | | | | Project name: **AI powered for a Smarter Community Healthcare** | | | | |  | Date:26/02/2025 | |  | |
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|  |  | Iteration: v1 | |  | |
|  | **Ship & measure:** The level of confidence is high about these hypotheses   **AI-driven symptom checking** will improve early disease detection accuracy by at least **30%**, reducing misdiagnosis cases.   **AI-powered decision support systems (DSS)** will help Community Health Workers (CHWs) make **40% faster medical decisions**, reducing delays in patient care.   **Automated risk scoring and patient referral system** will decrease critical patient wait times by **25%**, ensuring timely medical intervention. | | | | | | **High perceived value** | **Test:** These hypotheses have the promise of a big return but pose significant risks   **Integration with national health databases** will improve data accuracy and patient history tracking but requires **government approval and compliance with health regulations**.   **AI-based predictive analytics for disease outbreaks** will enhance healthcare planning but requires **access to large-scale health data and computational resources**.   **Automated SMS/email alerts for CHWs and hospitals** will improve emergency response times, but widespread adoption depends on **network connectivity and user accessibility**. | | | | | |  | |
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|  | **Low risk** | | | | | |  | **High risk** | | | | | |  | |
|  | **Don’t test:** These hypotheses don’t add significant value but are low risk/ are easy to implement.   **Modifying the AI system’s UI design** will slightly enhance usability but will not **significantly impact diagnosis accuracy or patient outcomes**.   **Adding multiple language options** will improve accessibility but may not **drastically increase adoption in communities already familiar with common languages**. | | | | | | **Low perceived value** | **Discard:** These hypotheses provide little value and pose a high level of risk to project   **Developing a proprietary AI model instead of using existing AI frameworks** will increase costs and development time without substantial benefits.   **Building a separate local server for AI processing instead of using cloud-based solutions** will add unnecessary infrastructure costs and **limit scalability**. | | | | | |  | |
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