

Affordable Patient Record Automation for Small Clinics: Field Testing the piClinic Console

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Current Experience

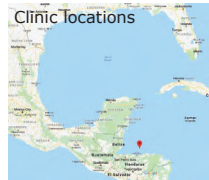
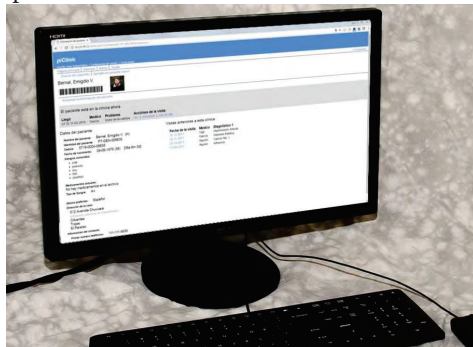
In small clinics, patient information is collected on paper.



Every month, doctors spend 2-3 days filling activity reports like this one.

Research Question

Can a low-cost computer system be developed to improve reporting efficiency and access to patient information in small clinics?



A low-cost patient-information system can improve reporting efficiency and access to patient information in small clinics.



Mercer On Mission students instructing Honduran nurse on piClinic Console operation.

Research Method

Contextual inquiry and iterative design were applied to understand the end-user's processes and pain points.

The clinics' biggest problem was not record storage, it was mostly summary reporting.

The **piClinic Console** was developed to address these observations and was then tested in laboratory and user contexts.

After two years of development and testing, **four systems were field tested in Honduran clinics** during summer 2019. Undergraduate researchers studied changes in clinic operations as consoles were deployed and as they were adopted by the clinics.

Conclusions

1. **The system was easy to use.** End-users became proficient quickly.
2. **A standalone system was not sufficient.** All test clinics requested the ability to
 - Connect multiple local users by Wi-Fi, and
 - Print forms.

Future Work

1. Implement features observed during the field test as being required by end users.
2. Install consoles in additional clinics.
3. Follow-up and evaluate sustainability.

Acknowledgements



Mercer On Mission



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Read more about the
piClinic Console at
<https://piclinic.org>

