

# Developing diabetes register in rural areas of low-mid income country

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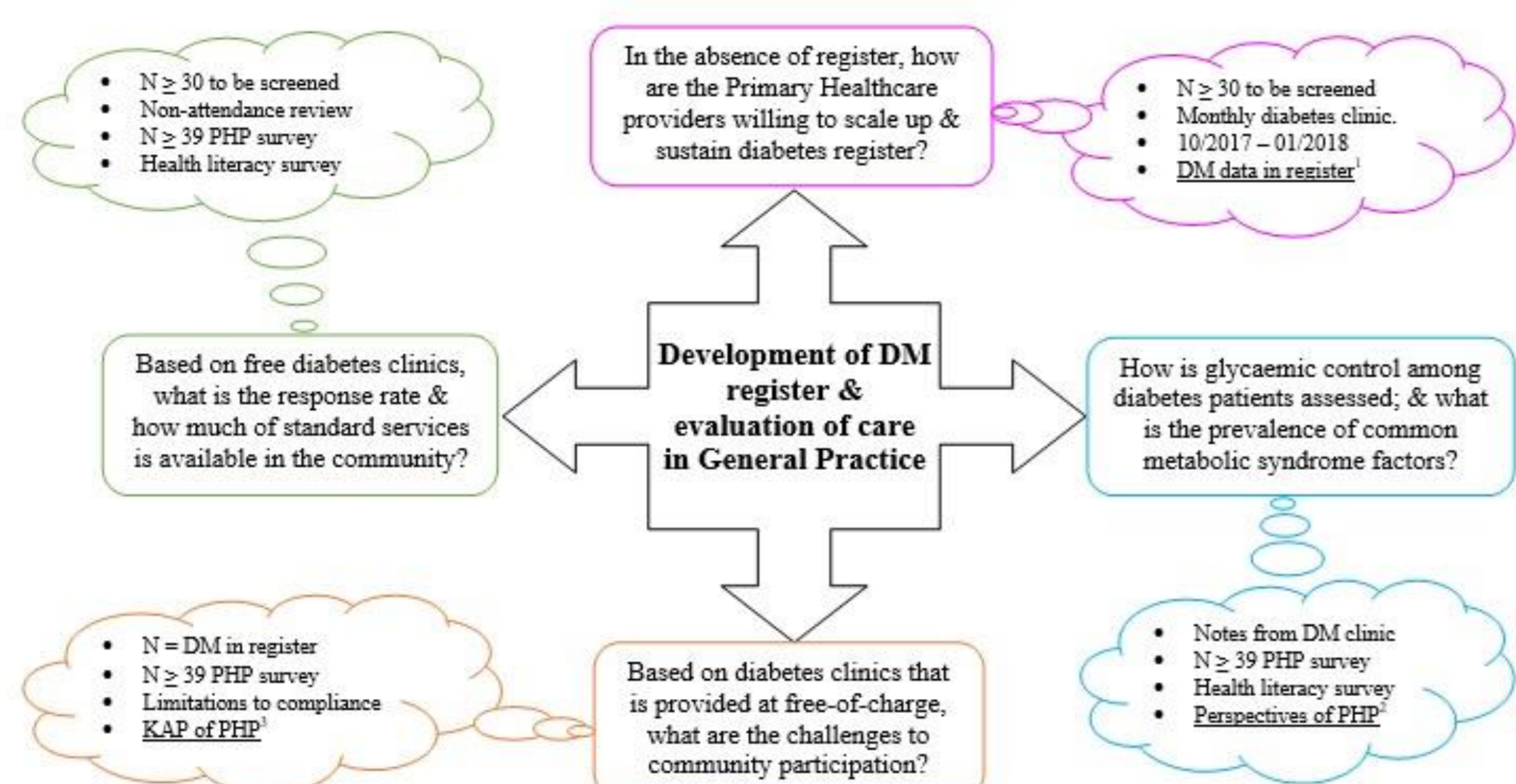
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**Background:** As part of ongoing Bringing Research in Diabetes to Global Environments and Systems (BRIDGES 2) project in Delta State, Nigeria; part of preliminary concern is completeness of clinical assessments and data collection to enable patients' follow-up.

**Aim:** To establish diabetes register, determine data collection, completeness of documentation, standard of diabetes care including available service, and incidence rate

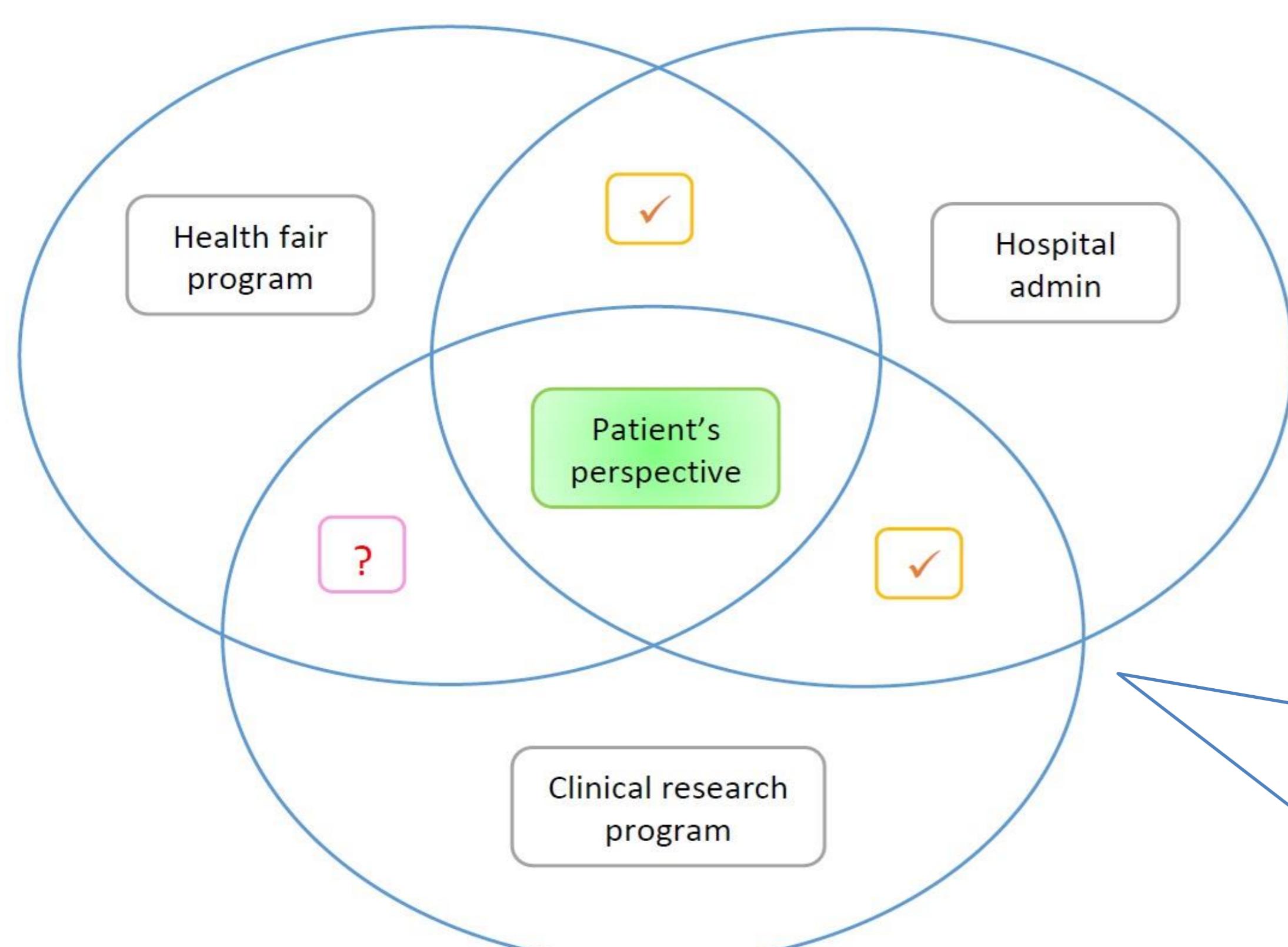
## Materials & Methods:

- Purposive observational descriptive study
  - ❖ Pilot study (Fig 1 below)
  - ❖ All 3 tiers of hospitals in Delta State Nigeria (table below)
  - ❖ N = 295
- Audit – lab & medical records



## Summary of pilot plan

Tier level	Management	The facility setting	Location
Primary	Government	Ogume PHC	Rural
	Non-governmental	Novena University Health Centre	Rural
Secondary	Government	General Hospital Obiaruku	Suburban
	Non-governmental	Catholic Hospital Abbi	Rural
Tertiary	Private GP	Donask Hospital Kwale	Suburban
	Government	Ekur Baptist Government Hospital	Suburban



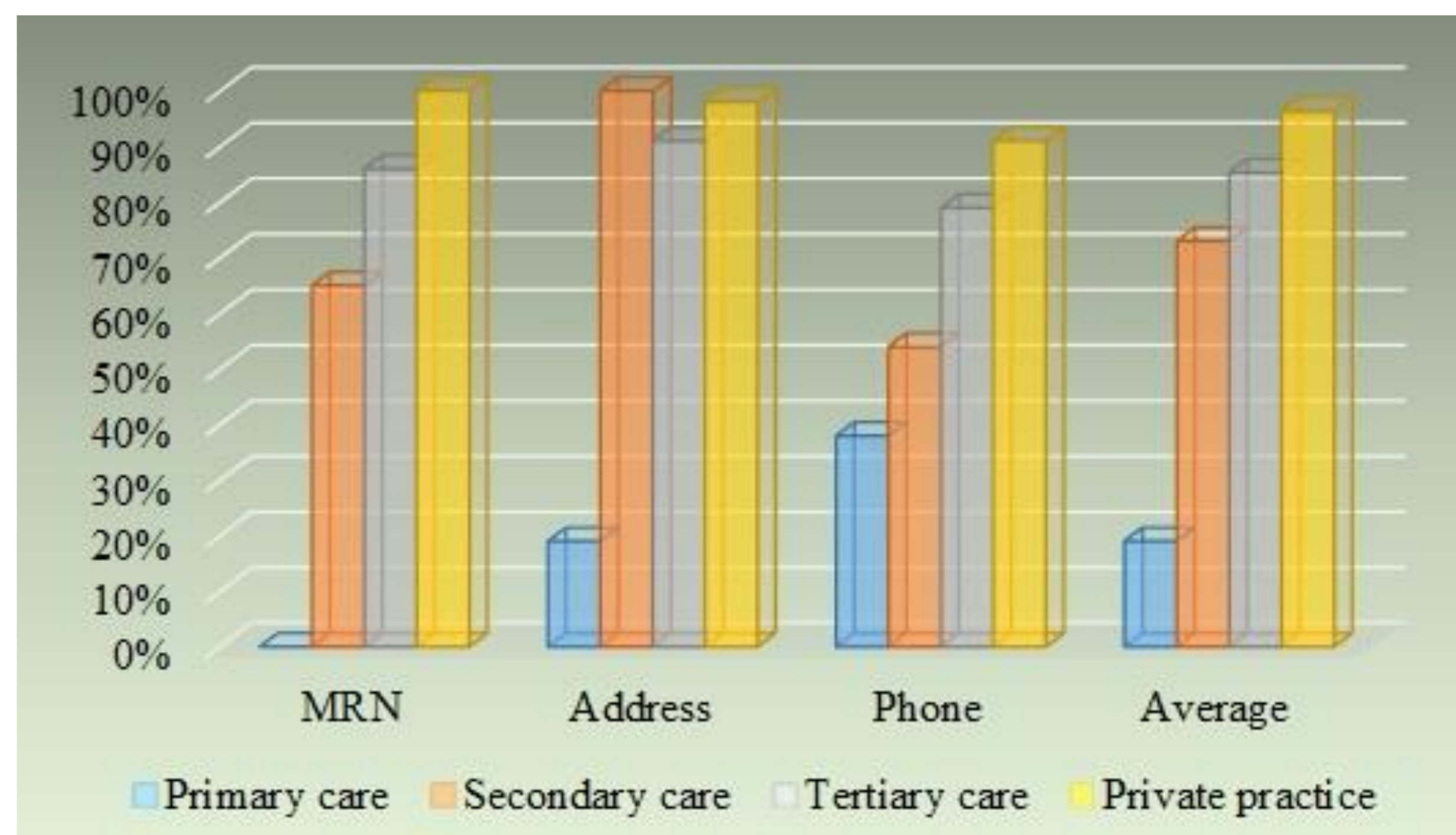
100 lipid profile tests were performed. By the time test reports were ready, there were no patients' files to associate and enter the results – NGO went away with screening paper works.

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## Contact details

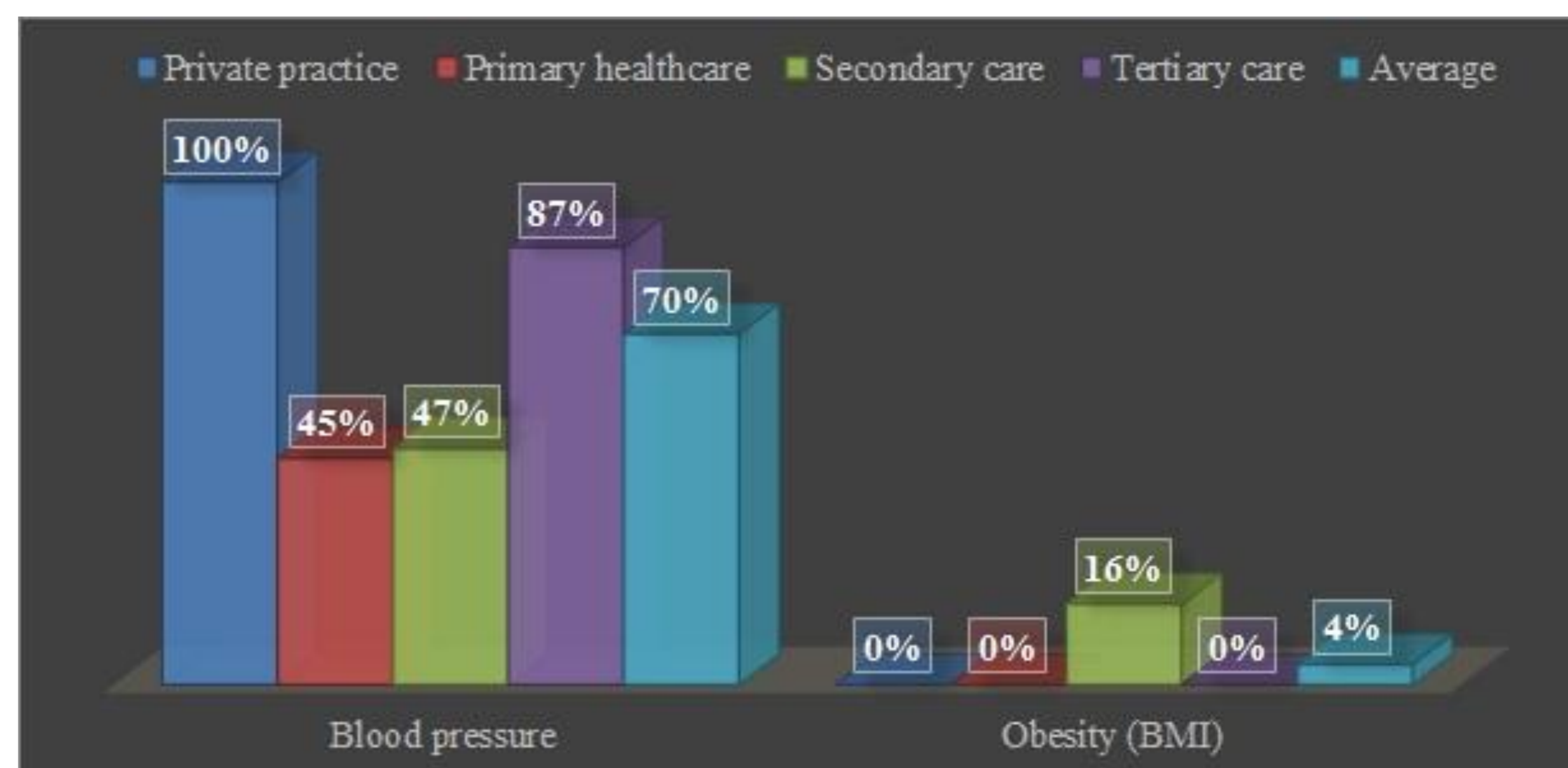
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Private practice performed best in completeness of data – re:

- ❑ Contact details (above)
- ❑ BP & BMI records (below)



- Capability for standard service (foot, lipid profile, renal & retinal assessment) is available at the tertiary health facility
  - i.e. referral from other hospitals
- Neither incidence nor morbidity and mortality rate could be definitively ascertained.

## Highlight

- ✚ Poor adherence to diabetes care practices by stakeholders, including NGOs
  - Need to improve the quality of data *vis-à-vis* documentation
  - Correct prediction of diabetes epidemiology in rural areas!!
- ✚ Quality of medical records is poor in rural LMIC due to limited resources.
  - A measure of community needs assessment
  - Application of known idea to address issue – diabetes register