

# **On-the-Farm Screening for Cardiovascular Risk Factors** among Migrant Agricultural Workers in Southeast Minnesota

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# Introduction

- Provision of healthcare, especially accessibility, to agricultural migrant workers (AMW's) in the US has been a challenge for decades.
- Additionally, AMW's are at higher risk for certain chronic illnesses that must be monitored frequently.
- In the United States, clinics devoted to providing medical care to this population have been one solution. Several factors, such as lack of reliable transportation or inability of workers to leave job duties for appointments, remain barriers to the success of this model of healthcare delivery.
- Mobile clinics have been one solution to improve accessibility to healthcare amongst AMW's. A review article noted that mobile clinics still face many challenges, including but not limited to: hours of operation, lack of bilingual staff, and transportation barriers.

## **Objectives**

To test the feasibility and satisfaction of implementing farm sites preventive screening stations to agricultural (AMW's) in migrant workers Southeastern Minnesota as a novel approach of healthcare delivery

#### Study Design:

Prospective cohort study with six months follow up. Pilot study.

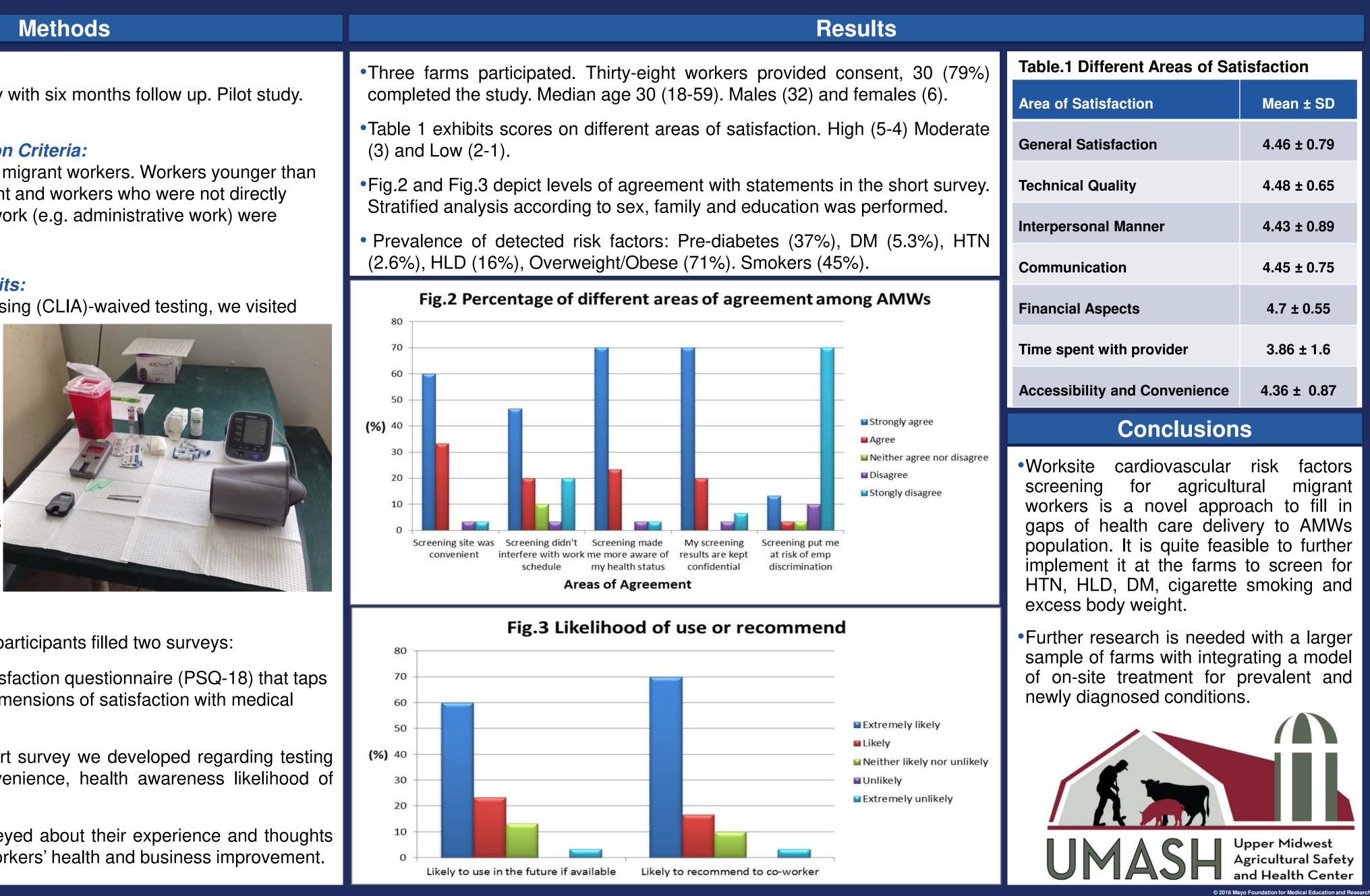
### Inclusion and Exclusion Criteria:

Adult (male and female) migrant workers. Workers younger than 18 years old, non-migrant and workers who were not directly involved in agricultural work (e.g. administrative work) were excluded.

#### Monthly Screening Visits:

Over 6 months period, using (CLIA)-waived testing, we visited

with the farms monthly to screen and monitor weight, blood pressure, glucose and cholesterol regularly. Testing took place at a space designated by owner meeting room) to insure privacy and access to all participants Screening station is pictured here.



### Surveys:

At the end of the study, participants filled two surveys:

1- Validated patient satisfaction questionnaire (PSQ-18) that taps on the seven different dimensions of satisfaction with medical care.

2- Seven questions short survey we developed regarding testing site and schedule convenience, health awareness likelihood of future use.

Owners were also surveyed about their experience and thoughts of possible impact on workers' health and business improvement.

e.1 Different Areas of Satisfaction	
of Satisfaction	Mean ± SD
eral Satisfaction	4.46 ± 0.79
nical Quality	4.48 ± 0.65
personal Manner	4.43 ± 0.89
munication	4.45 ± 0.75
ncial Aspects	4.7 ± 0.55
e spent with provider	3.86 ± 1.6
essibility and Convenience	4.36 ± 0.87