

Empowering Community Health Workers in Guatemala

Grace Sibert

From "Graduate students extend tesearch, outreach efforts to Hispanic populations in Guatemala" by Klinker, R., 2021., retrieved from

https://www.liberty.edu/news/2021/06/22/graduate-students-extend-research-outreach-efforts-to-hispanic-populations-in-guatemala/.

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Agenda

- Introduction and Background
- Methods
- Results and Discussion
- Conclusion
- Limitations
- Ethical Considerations
- Recommendations
- Implications for Practice

Introduction

- WHO defines community health workers (CHW) as not trained professionals who are chosen and trained to work in their own communities
- Convenience, Understanding, Willingness to learn, Dedication

Background

- Global shortage of healthcare workers
- COVID-19 increased public health insecurities
- Lack of knowledge- nutritional and preventative
- Chronic illnesses prevalent

Teaching and teach-back method

- CHW assigned role
 - Interview Patients
 - Register in Registry
 - Education Class following screenings

Training Brochure

Created by a graduate student in 2019 and translated by members of the team for use in the educational portion of the CHW training session.



"La <u>salud</u> medica es importante para todos de <u>vez en</u> cuando, pero la salud publica es importante todo el tiempo."

- C. Everett Koop

GRACIAS POR TODO LO QUE HACEN!

Katelyn Espenship, MPH Dr. Oswald Attin Liberty University

Translated by Andrea Harper, MPH





Intervenciones de Educación de Salud para aumentar la conciencia de desnutrición y la colección de datos en Zacapa, Guatemala.

> Guía de Entrenamiento

TU TRABAJO:

Folleto Educacional y Cuestionario de Nutrición

Demográfico

[solamente en la primera visita]

- -El participante tiene que llenar la encuesta principal, luego revisar el folleto educacional, y llenar la encuesta final.
- El participante tiene que llenar el cuestionario.
- Se coleccionaran los documentos, y seguidamente se escribirá la municipalidad y el numero de identidad del registro en el examen y en el cuestionario.

Registro:

fen cada visita

 Se tomarán los signos vitales del participante y se escribirán en la columna apropiada en el registro.

ALTURA

- -El participante tiene que quitarse los zapatos y pararse en frente de la pared con la espaida contra la pared. -Tomar la parte de metal de la cinta métrica y ponería en el piso al lado del
- -Usar el pie para detener la parte de metal en el piso.
- Tomar el otro lado de la cinta métric y jalario hasta que llegue a la cabeza del participante.
 - ntar la altura en centímetros

PESO

- l participante se quitará los zapatos va no lo ha hecho.
- El participante se parará en la balanza.
 Se documentará el peso en kilogramos.

PRESION ARTERIAL

- en una mesa, y se asegura de que no cruce las piernas ni los tobillos, -Se colocará el esfigmomanómetro para medir la presión arterial en la parte de
- quede bien ajustado en el brazo.
 -Encender el monitor, dejar que el
- -Encender el monitor, dejar que el esfigmomanómetro se infle, y luego que se desinfle.
- -Documentar la presión arteria

GLUCOSA EN LA SANGRE Y HEMOGLOBINA

- -Se le dirá al participante que se siente en una silla.
- Ponerse los quantes
- -Encender el glucometro e insertar la tira reactiva para medir la glucosa en maguina.
- Limpiar la punta del dedo anular del participante con una toallita de alcohol Seguidamente, pinchar al lado del dedo
- n el area que se limpio. Colocar una gota de sangre al final de
- a tira reactiva para medir la glucos: Mientras el glucómetro procesa los
- -Colocar una gota de sangre en e
- -Dazoués, decirle al participante que se ponga un algodón en el área sangrada. -Documentar el nivel de glucosa en la

sangre y hemoglobina.

- Limpiar el área sangrada del dedo con una toallita de alcohol y ponerie una

una toalita de alcohol y goneria una curita-

"Asegurase de vigilar el glucómetro para que no se apague antes de documentar el resultado.

Methods

- Questionnaire- translated to Spanish
- Health Screening Form
- Training Brochure

Nombre:		Visión:
Sexo:		
Edad:		Notas:
Altura:		
Peso:		
Glucosa:		elect an area to comment on
¿Ha comido en las últimas 8 horas?: Sí	No	elect all alea to comment on
Presión Sanguínea:		
Anemia:		
BMI:		

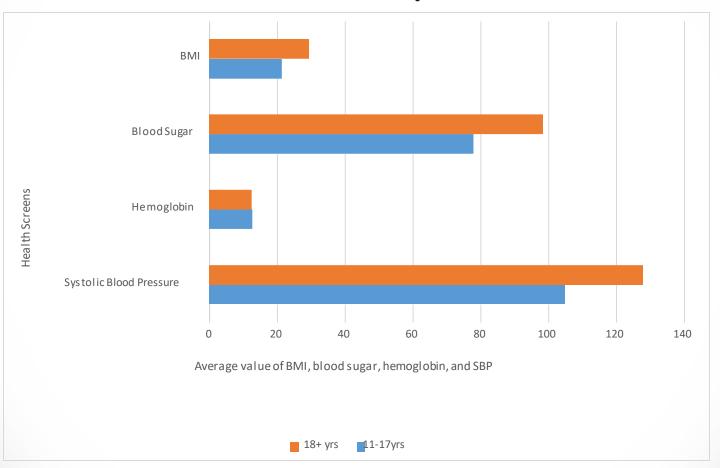
Health Screening Form

Health screening form that was filled out by the graduate students with the help of the community health workers for each participant and that was then reviewed with the provider.

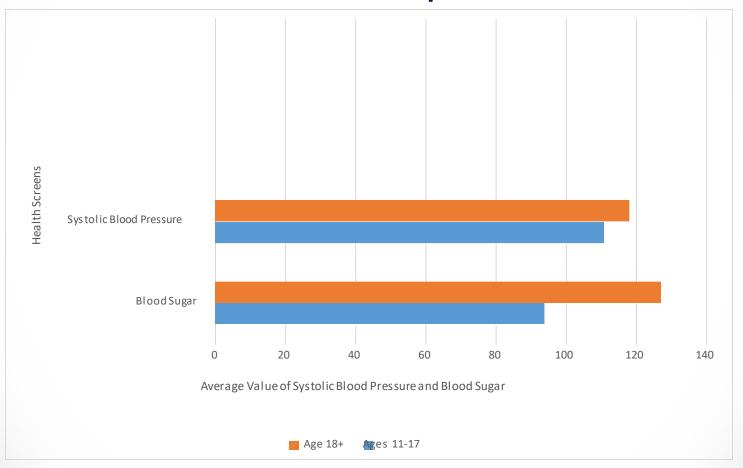
Results

Characteristic	Frequency	Percent
Gender (n=182)		
Male	44	24.2
Female	138	75.8
Age (n=182)		
11-17	32	17.6
18+	150	82.4

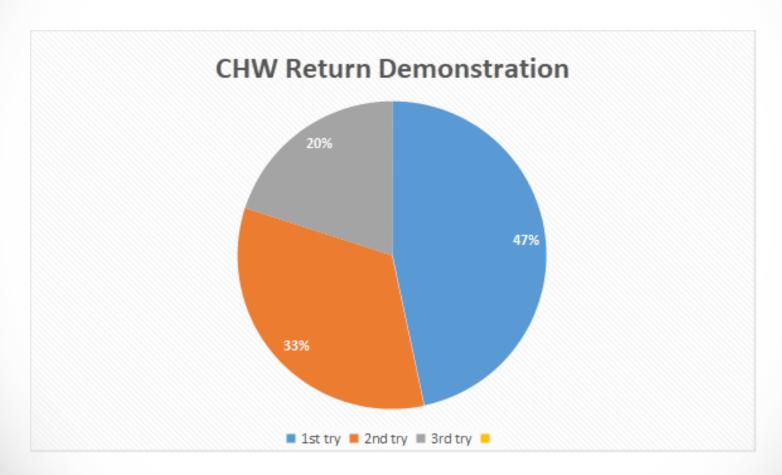
2021 Participants



2019 Participants



CHW Return Demonstration Effectiveness



Discussion

- Both 2019 and 2021 Data
 - 18+ higher blood sugar and systolic BP
- 2021 Data
 - 18+ higher BMI
 - Equal hemoglobin level
- About half on the first try, other half on second and third

Conclusion

- Short trip but many reached
- Supplies, Registry, Education
- Continuation of health screenings

Limitations

- Participant age
- Previous diagnoses
- Missing data
- COVID-19

Ethical Considerations

- IRB Annual Review Form
- Change in Protocol form
- Investigator Agreement
- Questionnaires
- Consent Forms

Recommendations

 First Aid Response – Emergency Medical Services

Implications for Practice

 Positive Outcome with when more time, support, and education given to CHW

 Education that includes nutrition, preventative care, and common health issues

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