

# Promotor(a) or Community Health Worker Training and Certification Program Advisory Committee Meeting

October 30, 2024

Promotor(a) or Community Health Worker (CHW)
Training and Certification Advisory Committee Meeting

#### FOR QUESTIONS AND COMMENTS:

You may submit your questions/comments to CHW@dshs.texas.gov

Thank you.



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#### **AGENDA**

#### Wednesday, October 30, 2024, 10:00 A.M. – 12:30 P.M. CST

- 1. Welcome and Introductions
- 2. Consideration of July 22, 2024, draft meeting minutes
- 3. Health Promotion and Chronic Disease Prevention Section update
- 4. Update on Collaboration with DSHS Regarding Core Competencies Enhancements
- 5. Artificial Intelligence, Machine Learning and Promotoras de Salud: Leveraging Technology for Community Empowerment
- 6. Advisory subcommittee updates
- 7. Committee member sharing
- 8. Public Comment
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## Health Promotion and Chronic Disease Prevention Section Updates

October 30, 2024

Raiza Ruiz, MPA, CPM

**Community Health Worker and School Health Branch Manager** 

#### **General Updates**

- DSHS submitted the FY 2026–2027 budget request (Legislative Appropriations Request) to the Texas Legislative Budget Board on September 6, 2024.
  - Includes an Exceptional Item for General Revenue funding over the biennium to hire three full time employees to review CHW and CHW instructor applications more quickly.
- The updated <a href="CHW Program Policy">CHW Program Policy</a> was approved and posted on the CHW Program website.
  - The Policy is now available in English and Spanish.
- The CHW Program website Law, Regulation and Policy has been updated to include:
  - Relevant legislation passed in the 89<sup>th</sup> Legislative Session
  - New standards for CHW and CHW Instructors protected information, as required by Government Code, Section 552.11765.
- The proposal to enhance the DSHS Core Competencies was approved by Dr. Jennifer A. Shuford, DSHS Commissioner on August 20,2024.

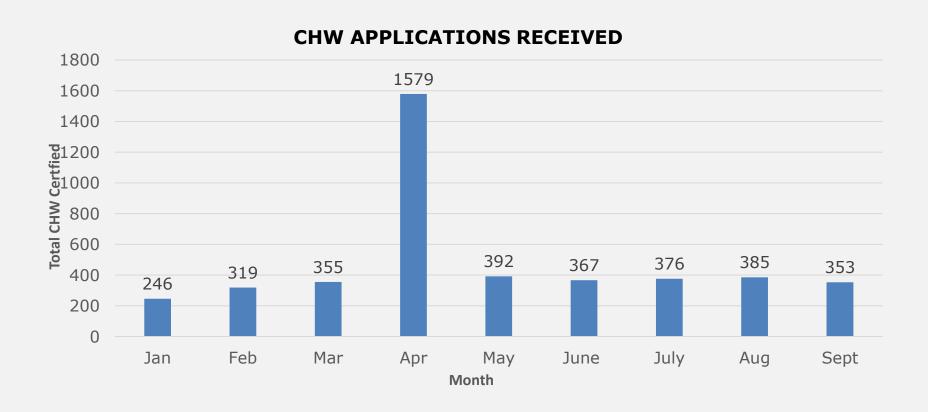
## Community Health Worker (CHW) Training and Certification Program Updates

#### **CHW Certification**

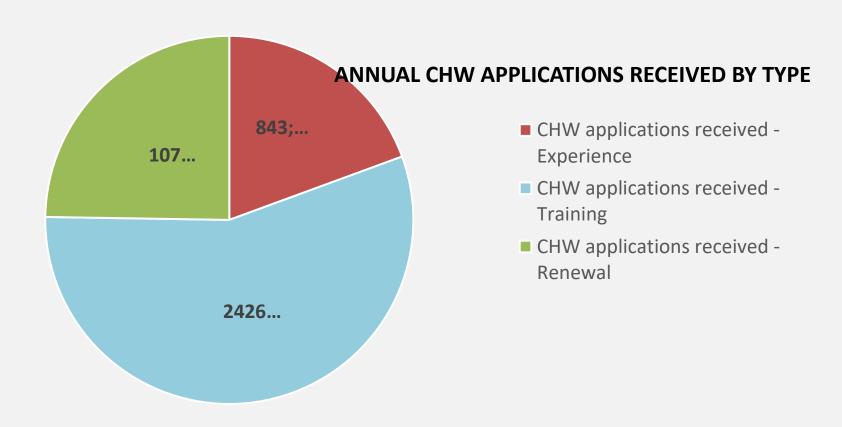




#### **CHW Applications Received**

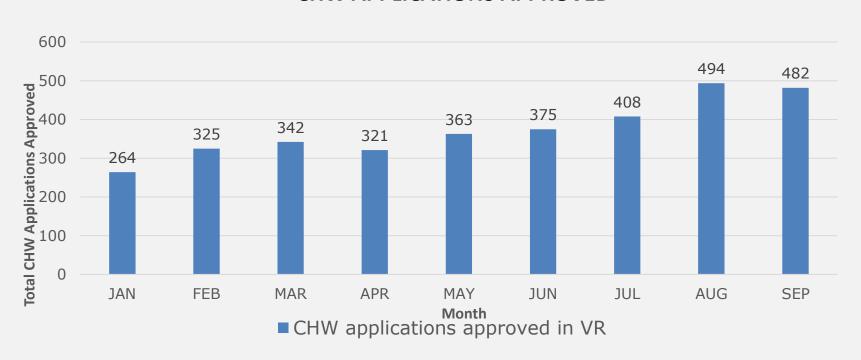


#### **Annual Applications Received by Type**

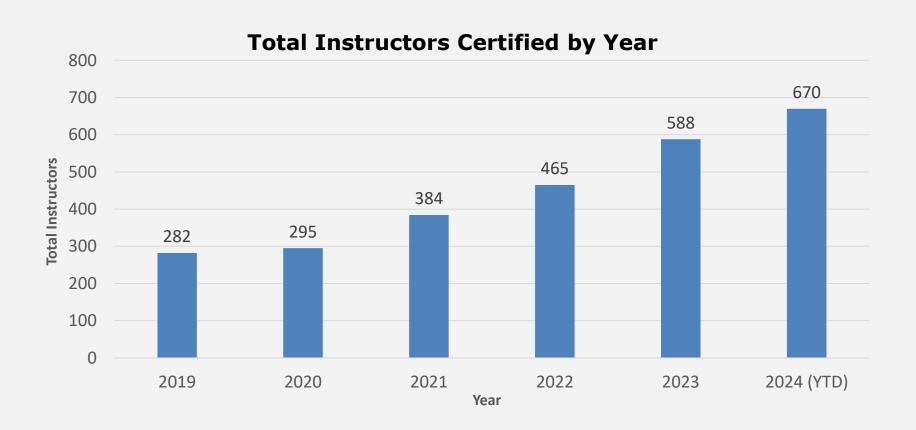


#### **CHW Certifications Approved**

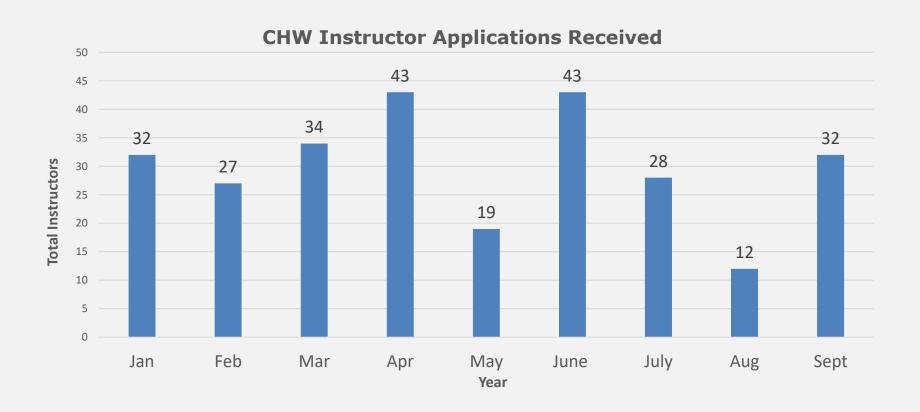
#### **CHW APPLICATIONS APPROVED**



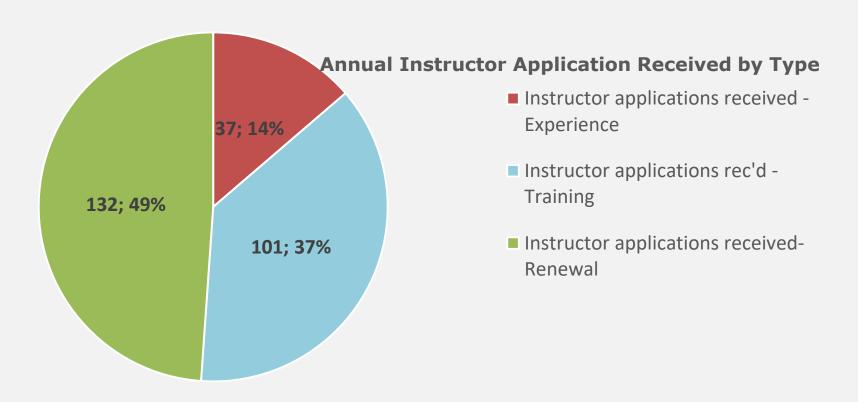
#### **CHW Instructor (CHWI) Certification**



#### **CHWI Applications Received**

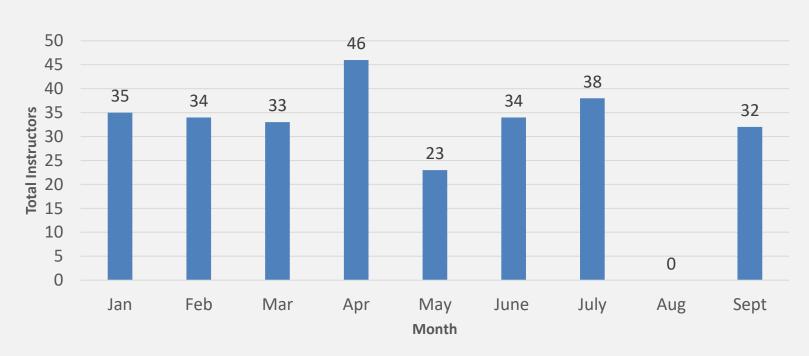


#### **CHWI Applications Received by Type**



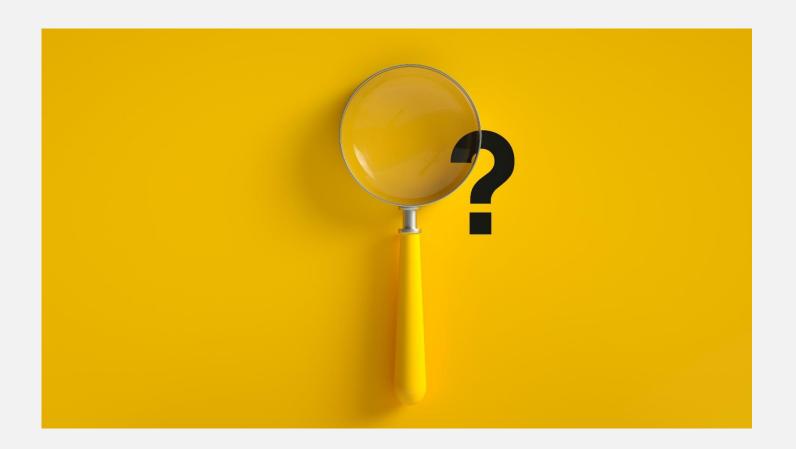
#### **CHW Instructor Certification (Cont.)**

#### **Instructor Applications Approved in VR**



#### Curriculums

- Currently, the CHW Program has 7 curriculums under review, totaling 18.5 credits hours.
- From July 1 to September 30, 2024, the program has approved 15
   new curriculums totaling 32.5 credit hours.



### Thank you!

Community Health Worker Training and Certification Program dshs.texas.gov/community-health-worker-or-promotora-training-certification-program

Email: chw@dshs.texas.gov 512-776-2576

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### Welcome

**Ashley Rodriguez, CHWI-McKesson Institute** 

Roxana Lopez, CHWI-Texas Association of Promotores & Community Health Workers

#### Workgroup Update:

## Update on Collaboration with DSHS Regarding Core Competencies Enhancements

Ashley Rodriguez, CCHW, CCHWI Roxana Lopez, CCHW, CCHWI

#### Background





The Community Health Worker(CHW) Core Consensus Project (referred to as the C3 Project) built upon the rich history of the CHW workforce in the U.S. and Texas, with the primary aims:

- 1) expand cohesion in the CHW field;
- 2) contribute to the visibility and greater understanding of the full potential of CHWs to improve health, community development, and access to systems of care.



Across the U.S., the C3 Core Competencies have been adopted in multiple states including:

AZ, MA, MI, MS, NV, UT

On August 2024, DSHS approved the enhancement of the existing Texas CHW core competencies based on the C3 national model.

The Why Supports CHW
Sustainability Efforts

Expands CHWs Scope of Work

May Support CHW Job Opportunities

Supports Employer's Knowledge Base

CHWs DO Conduct Research & Evaluation in Texas

#### Ad-hoc Workgroup/Stakeholders



Ashley Rodriguez, CHW representative from Region 2/3, Assistant Presiding Officer, and Workforce Development DSHS CHW Advisory Committee Chair



Roxana Lopez, the President of the Board of Directors of the Texas Association of Promotores & Community Health Workers (TAPCHW)



Kim Bush, Program Director at The University of Texas Health Science Center at Tyler (former DSHS CHW Advisory Committee leader)



Dr. Julie St. John, researcher with the C3 project & Associate Professor, Texas Tech University Health Sciences Center

## DSHS CHW Core Competencies & C3 CHW Core Competencies + Roles at a Glance

C3 Core CHW Competencies	C3 Core CHW Roles	DSHS Core CHW Competencies
1. Communication Skills	Cultural Mediation Among Individuals,     Communities, and Health and Social Service Systems	1. Communication Skill
2. Interpersonal and Relationship-Building Skills	2. Providing Culturally Appropriate Health Education and Information	2. Interpersonal Skill
3. Service Coordination and Navigation Skills	3. Care Coordination, Case Management, and System Navigation	3. Service Coordination Skill
4. Capacity Building Skills	4. Providing Coaching and Social Support	4. Capacity-Building Skills
5. Advocacy Skills	5. Advocating for Individuals and Communities	5. Advocacy Skills
6. Education and Facilitation Skills	6. Building Individual and Community Capacity	6. Teaching Skills
7. Individual and Community Assessment Skills	7. Providing Direct Service	7. Organizational Skills
8. Outreach Skills	8. Implementing Individual and Community Assessments	8. Knowledge Base on Specific Health Issue
9. Professional Skills and Conduct	9. Conducting Outreach	
Sout Ontto Walk ration and competencies  Research Skills	Source: <a href="https://www.c3project.org/roles-competencies">https://www.c3project.org/roles-competencies</a> 10. Participating in Evaluation and Research	
11. Knowledge Base		

## Workgroup Action: CHW Workforce Feedback

#### **Listening Sessions**

- In partnership with TAPCHW, conducted 6 listening sessions in December with up to 15 CHWs/CHWIs
- Held 1 listening session with CHW Training Centers (within the monthly TAPCHW training center call)
- Post-surverys sent to all participants.

#### **Agenda**

- 1. Present on background
  - a.C3 background info
  - **b.**current DSHS Competencies
  - **C.**CHWs role in research & evaluation
  - d.proposal/cross walk
- 2. Feedback questions/discussion
- 3. CHW Q&A

	Strongly disagree	Disagree	Neutral	Agree	Strongly Agree
I believe adding the new competency - Evaluation is good for the CHW workforce	00	9	9	<b>3</b>	9
I agree the new competency falls within the CHW scope of work	00	9	3	<b>3</b>	9
I agree the new competency proposed is applicable to my work/job	00	9	9	3	9
I feel adding this competency would improve my skillset	00	9	9	3	9
I feel adding this competency would support sustainability to the CHW workforce	00	Ð	2	<b>3</b>	3

#### The Workgroup's Formal Advisory Proposal

**Proposal:** Align & enhance some of the language of the DSHS core competencies for CHWs and CHW Instructors with key C3 Project roles and competencies + add 1 new competency

- DSHS created a crosswalk and incorporated proposed enhancements to the existing DSHS Core Competencies for CHWs outlining current competencies and proposed changes. Overall, very few DSHS CHW core competencies needed to be amended.
- Proposed changes:
  - Expand "Interpersonal Skills" to "Interpersonal Skills and Relationship-Building" and minor edits to sub skill descriptions.
  - Expand "Service Coordination Skills" to "Service Coordination Skills and Navigation" and add minor edits to sub skill descriptions.
  - Expand "Teaching" to "Teaching and Education" and minor edits to sub skill descriptions.
  - Add one new competency for "Evaluation and Research" DSHS does not currently have this competency.
- Vote was approved by DSHS CHW Advisory Committee to: continue the work of scoping, building, and enacting the changes & updates to the Texas DSHS CHW Core Competencies

### Language Changes or Enhancements to the Existing DSHS CHW Core Competencies

#### Summary of Language Changes or Enhancements to the Interpersonal Skills and Relationship-Building Core Competency

- "Relationship building" was added to the Interpersonal Skills and Relationship-Building Core Competency" name.
- "Respect professional standards" was added to the "Set personal and professional boundaries and respect professional standards" skill.

#### Summary of Language Changes or Enhancements to the Service Coordination Skills and Navigation Core Competency

- "Navigation" was added to the "Service Coordination Skills and Navigation Core Competency.
- "Appropriate" was added to "Coordinate appropriate referrals, follow-up, track care and referral outcomes".
- The new skill "Plan and facilitate individual and organizational goals and/or group action plan and goal attainment" was added.

#### **Summary of Language Changes or Enhancements to Teaching and Education Core Competency**

- "Education" was added to the "Teaching and Education Core Competency".
- "Interactive" was added to "Set a variety of interactive teaching and coaching methods for different learning styles and ages".

## Language Changes or Enhancements to the Existing CHW Core Competencies

#### **New Core Competency: Evaluation and Research**

- Identify important concerns and conduct evaluation and research to better under-stand root causes.
- Apply the evidence-based practices of Community Based Participatory Research (CBPR) and Participatory Action Research (PAR).
- Participate in evaluation and research processes.
- Participate in individual assessment through observation and active inquiry.
- Collaborate with other educators.

#### Current State: New DSHS Approval

Approval received from Dr.
Jennifer A. Shuford, Texas
Department of State Health
Services Commissioner, for the
proposal to **enhance** the DSHS
Core Competencies



#### Additional Information on the Proposal

- The Plan: work with additional CHW stakeholders across Texas to gain feedback. Stakeholders will include, but are not limited to:
  - Other DSHS Advisory Committee Members;
  - Local CHW Associations in Texas;
  - Individual CHWs/Promotores
- Work with DSHS to build a comprehensive management timeline for the implementation of the existing DSHS enhanced CHW core competencies. The CHW or Promotor(a) and Certification Program will provide technical support to certified CHW training centers across the state to accommodate the changes and implementation of enhanced CHW core competencies.

#### Next Steps and Tentative Timeline

- Interviews and Focus Groups: Sept. 9 Mar. 14, 2025
- Core Competency Implementation: Mar. 2025 to July 2025
- Non-DSHS Implementation Activities: July 2025 to Feb. 2026
- Enhanced core competencies become effective: Feb. 19, 2026

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### Welcome

Leticia Villarreal Sosa, PhD, LCSW, SSW University of Texas Rio Grande Valley



# ARTIFICIAL INTELLIGENCE (AI), MACHINE LEARNING (ML), AND PROMOTORAS DE SALUD: LEVERAGING TECHNOLOGY FOR COMMUNITY EMPOWERMENT

LETICIA VILLARREAL SOSA, PHD, AM, LCSW; UNIVERSITY OF TEXAS RIO GRANDE VALLEY

I WANT TO ACKNOWLEDGE MERIDA ESCOBAR, SOUTHWEST TEXAS PROMOTORES

ASSOCIATION AND THE STPA TEAM WHO LED AND SUPPORTED THIS PROJECT.

#### **ABOUT THE PROJECT**

- Award: Hub Specific Pilot Grant Program
- Title: Artificial Intelligence, Machine Learning, and Promotoras de Salud
- The South Texas Promotoras/es Association (STPA) serves the Rio Grande Valley (RGV), a 94% Hispanic/Latino community along the U.S.-Mexico border, gravely underserved and in great need of access to culturally responsive, evidence-based mental health services
- This was our first AlM-Ahead experience (AlM-Ahead is an NIH program that seeks to increase participation of underrepresented groups in the development of Al/ML models used for improving health. AlM stands for Artificial Intelligence/Machine Learning)



Albert Garcia, STPA, IT Technica Support



Dr. Tamer Oraby, Associate Professor School of Mathematical and Statistical Sciences UTRGV AIM-AHEAD SC-HUB Research on disease modeling and ML



Dr. Leticia Villarreal Sosa, Associate Dean for Research and Faculty Development, School of Social Work, UTRGV



Otila Garcia, STPA, coordinates the work with STPA



Juventino Hernandez Rodriguez, Lic Psychologist and Asst. Professor



Dr. Bianca Villalobos, Licensed Psychologist and Assistant Professor in the Dept of Psychological Sciences



Merida Escobar, PI STPA Founder and President

### **BACKGROUND**

The South Texas Promotoras/es Association (STPA) serves the Rio Grande Valley (RGV), a 94% Hispanic/Latino community along the U.S.-Mexico border, gravely underserved and in great need of access to culturally responsive, evidence-based mental health services.

In this context of high need, Promotoras/es de Salud/Community Health Workers are a key resource to help community members access mental health services

Promotoras de Salud and Community Health Workers (Promotoras) are lay members of the community who serve as vital bridges between vulnerable communities and health care systems.



## THE STUDY

• Given the limited capacity for the mental health workforce to reach underserved populations, STPA's long-term goal is to increase access to mental health services for those in need in the RGV.

#### AIMS

- Evaluate the effectiveness of AI/ML and mental health training for Promotoras de Salud.
- Develop and evaluate a pilot project focused on (a) using AI/ML to identify predictors for depression and/or anxiety; and (b) informing a small community-based health education intervention.

## THE RESEARCH QUESTIONS

#### **Our Research Questions:**

- 1. Can AI/ML be used to enhance the Promotoras / CHW model and address behavioral health and social determinants of health community interventions?
- 2. What are the challenges and facilitators to training Promotoras/CHWs to use AI/ML?
- 3. How effective is AI/ML in predicting/detecting depression/anxiety cases and identifying the need for mental health services, compared to standard community screening?
- 4. How acceptable is an AI/ML-informed mental health project to Promotoras and the communities they serve?



The University of Texas Rio Grande Valley



## PROJECT SIGNIFICANCE

- The Rio Grande Valley (RGV) is in critical need of mental health services.
- Artificial intelligence and other digital and mobile technologies are a great potential to extend the reach of Promotoras, enhancing their efforts to disseminate health information, coach individuals regarding health behavior, identify mental health issues, and bridge access to care.
- The integration of AI/ML with the Promotoras model to address depression and anxiety in underserved areas is crucial to the prevention and identification of mental health issues.
- Successful implementation of the proposed project will unveil many possible pathways to decrease health disparities by reducing access to care barriers and ensuring early detection and intervention.

### WHAT IS ARTIFICIAL INTELLIGENCE

- Artificial Intelligence (AI) was developed by studying how the human brain "thinks", learns, and makes decisions to solve problems or complete tasks. AI makes a computer, robot, or other pieces of technology "think". In other words, they process data in the same way as humans.
- It's the simulation of human intelligence by a machine.
- AI has been a part of our lives without us knowing. We use AI when we book a
  ticket online, scroll through our newsfeed, socially network, or read restaurant
  menus and reviews, speak into our phones. AI drives even simple chat
  assistants when shopping online or ordering food.



## MACHINE LEARNING

- Training computer programs to recognize patterns and tackle complex problems.
- Neural networks extract information from examples in a data set by searching for patterns in layers or multiple steps. Then when it encounters new situations, it can problem solve.
  - For example, completing a sentence using proper English grammar

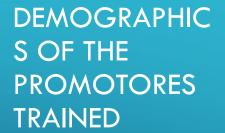


#### Advantages

- Already widely used (like Siri, Alexa, or ChatGPT)
- Highly effective in performing specific tasks within a narrow scope
- Can perform some tasks faster and more accurately than humans.
- Can handle large amounts of data
- Does not get tired and can work 24/7
- Can improve through machine learning

#### Disadvantages or limitations

- Limited in it's ability to reason, problem-solve, and adapt outside of its scope
- Limited to specific task within a narrow scope.
- It's only as good as the data you put into it. (For example, a video streaming service keeps tracks of what you watch and gives you suggestions)



Age range between 42-70

13 self identified as Hispanic/Latino/and 1 self identified as white

13 female and 1 male

Education level: 7% no formal education (1), 50% high school education (7), 29% associates degree (4), and 14% (2) had a bachelor's degree

9 listed their primary language as Spanish, and 3 listed their primary language as English

The number of years worked in the community range from 3-40 years

WHAT
COMPUTER
DEVICES DO
YOU HAVE AT
HOME?

79% had a computer or laptop (11)

64% had a tablet (9)

86% had a smart phone (12)

## WHAT ELECTRONIC DEVISES DO YOU HAVE ACCESS TO AT WORK?



COMPUTER OR LAPTOP 85% (11)



TABLET 31% (4)



SMARTPHONE 31% (4)



I DON'T HAVE ACCESS
TO ELECTRONIC
DEVICES AT WORK 8%
(1)

## WHERE DO YOU HAVE ACCESS TO THE INTERNET?

Home - 100% (14)

Work - 64% (9)

Community center - 29% (4)

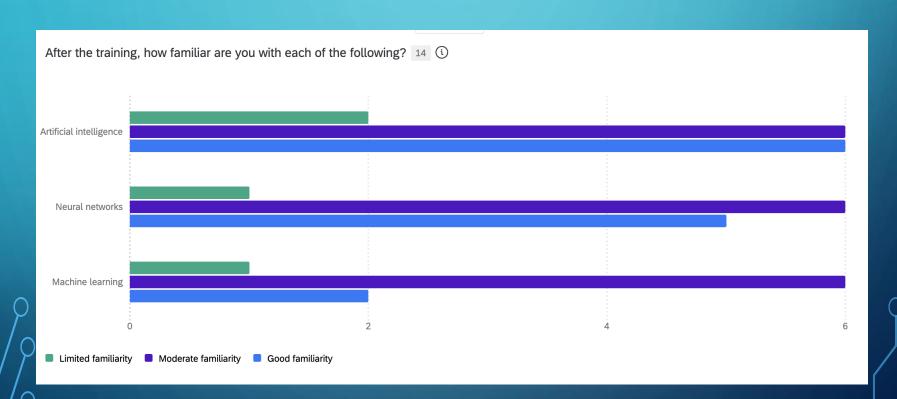
School/University – 9% (1) Public places like a library or coffee shop -21% (3)

Smart phone - (100%)

## HOW FAMILIAR WERE YOU WITH.... BEFORE



## HOW FAMILIAR ARE YOU WITH... AFTER?



## WHAT FORMS OF AI DO YOU USE IN THE COMMUNITY?



## IF YOU DON'T USE IT, WHY?



STILL LEARNING



SOME FOLKS DO NOT KNOW HOW TO USE THEIR SMART PHONES

## **OTHER BENEFITS**

Promotoras felt empowered

It helped their legitimacy and increased community perception of their expertise.

They were excited to learn about Al and how to use it to facilitate their work.

## THANK YOU!



We will continue to expand this project and provide the workshop to additional promotores de salud and implement with additional community members.



Questions?



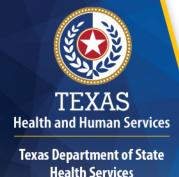
My contact information: leticia.villarrealsosa@utrgv.edu

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## CHW Advisory Committee: Subcommittee Discussion



Texas Department of State Health Services

### **Subcommittee Discussion:**

- **Lead**: Discussion regarding subcommittee changes
- Request: New members for the remaining subcommittees
- **Respond**: To questions from members

# CHW Advisory Committee: Subcommittee Discussion



Texas Department of State Health Services

### **Current CHW Subcommittees List:**

- Workforce Solutions and Employment Opportunities subcommittee
- Communication and Outreach subcommittee
- CHW Training and Certification subcommittee

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## Public Comment Procedures

- All speakers must identify themselves and the organization they are representing before speaking
- Three-minute time limit
- Do not include health or other confidential information
- Rules of conduct apply to public comments made

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Texas Department of State Health Services





Texas Department of State Health Services

## Thank you

chw@dshs.texas.gov