



# Resilience Initiative in Emerging Health Professionals to Empower Hawai'i's Homeless with Diabetes and Pre-Diabetes Education

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## BACKGROUND

- **Homelessness = major health problem with Hawai'i 4<sup>th</sup> highest in U.S.**
- Multi-disciplinary team funded by Clinical Scholars, a national leadership program of the Robert Wood Johnson Foundation (RWJF). Our conceptual model bridges resilience within the context of homelessness
- Provide online training for Emerging Health Professionals (EHP) on the care of diabetes (DM)/pre-DM for people who are homeless
- EHP rotate through the John A. Burns School of Medicine (JABSOM) Hawai'i Homeless Outreach and Medical Education (H.O.M.E.) Project which is a student run mobile medical clinic to utilize skills learned from online training
- Use training method that develops "team care" among diverse EHP and promotes the development or enhancement of personal resilience in EHP

## PURPOSE

To train EHP who will be rotating through the H.O.M.E. Project on evidence-based DM and pre-DM self-management programs modified for use in the homeless population using a resilience development approach.

## METHODS

- Curriculum formulated around learning objectives of resilience, homelessness and DM/pre-DM for EHP and for people who are homeless
- Feasibility Study done using virtual presentation of modules to EHP
- Evaluation of all EHP prior to and at the conclusion of each presentation to evaluate the curriculum using quantitative and qualitative feedback
- Survey data was de-identified and analyzed to determine if the participants viewed the student track to be a valuable experience
- Thematic analysis of the qualitative responses by two team members

## ACTIVITIES

Activities include: grant writing, feasibility study, curriculum development, presentations, and website for all modules and evaluation

### MODULES

#### Resilience

#### Homelessness 101

Care of the Person with pre-DM/ DM at H.O.M.E.

Medications in Diabetes

Becoming Leaders During a Crisis

Patient-Provider Relationship

### GRANTS



Ola Hawai'i Grant



Addressing Health Inequity & Supporting Innovation Through COVID-19 in Schools



Supporting Houseless Hawaiian Children's Wellbeing & Education in COVID

## FEASIBILITY STUDY QUANTITATIVE RESULTS

Resilience Training	Third year Medical Students (62 participants)		Pharmacy, Psychology and Social Work Students / Interns (13 participants)		First Year Medical Students (77 participants)	
	Average Pre- Score	Pre-Post Change	Average Pre- Score	Pre-Post Change	Average Pre- Score	Pre-Post Change
Regardless of what happens to me I believe I can make it through.	2.86	0.39	3.60	0.15	3.40	0.11
I understand the importance of self-efficacy in resilience.	2.94	0.51	3.30	0.46	3.30	0.42
I understand how motivation helps me to keep trying when things are hard.	3.16	0.31	3.30	0.62	3.50	0.26
I can teach my patient skills to be more resilient.	2.14	0.84	2.50	0.92	2.60	0.57
I feel comfortable working with people who are homeless.	2.80	0.22	2.50	0.62	2.50	0.40
I am competent using strategies that help people who are homeless live healthy lives	1.98	0.63	1.90	1.08	1.60	1.09

SCALE: 0=NOT AT ALL | 1= A LITTLE | 2=SOMEWHAT | 3=MOSTLY | 4=DEFINITELY

## FEASIBILITY STUDY QUALITATIVE RESULTS

### Relevance

"This was useful, relevant, and important. Thank you!"

"I thought this was very pertinent especially in times of COVID. Having the ability to lead during this time does require strategy, keeping composure, and communication."

### Resilience

"Great session on resiliency!"

"I definitely felt that this was an important topic for us to keep in mind and use in our lives, as medical students and beyond. Thank you!"

### Interdisciplinary

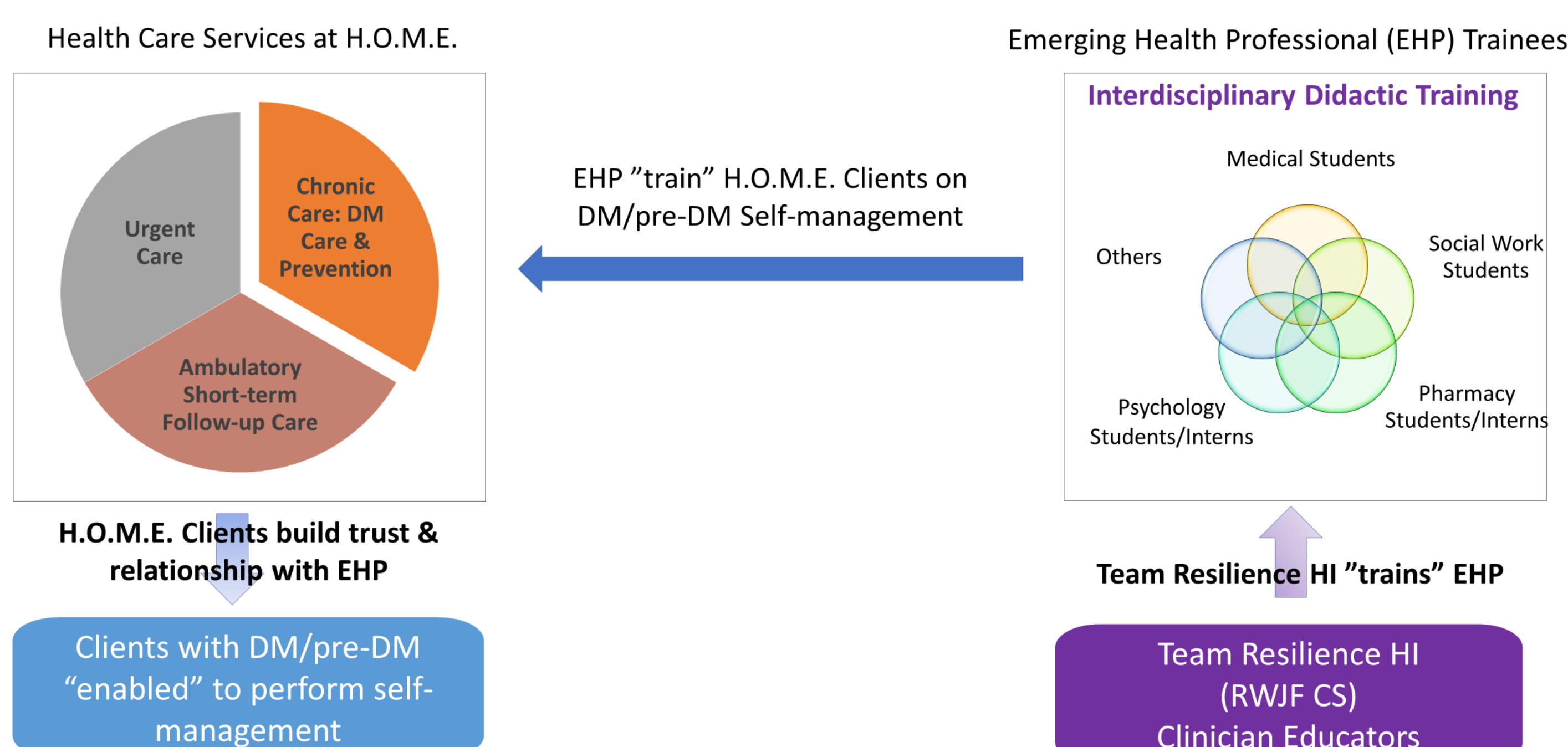
"Really appreciate the interdisciplinary perspectives!"

"Appreciated the presentation and applying the concepts to a hypothetical patient. It seems like a straightforward topic but is really complex so having examples to illustrate these concepts are helpful!"

## NEXT STEPS

1. Create an Advisory Council
2. Team Resilience Hawai'i members take their EHP to H.O.M.E. Project sites to work together as a multi-disciplinary team and use training to care for those who are homeless
3. Finalize learning modules and place on website for future EHP
4. Improve EHP resilience who pass on to clients seen at H.O.M.E.
5. EHP deliver evidence-based DM and pre-DM self-management programs modified for people who are homeless

### Team Resilience Hawai'i (HI) Conceptual Framework



Hawaii H. O. M. E. Project  
Homeless Outreach & Medical Education