

MENTAL HEALTH MATTERS

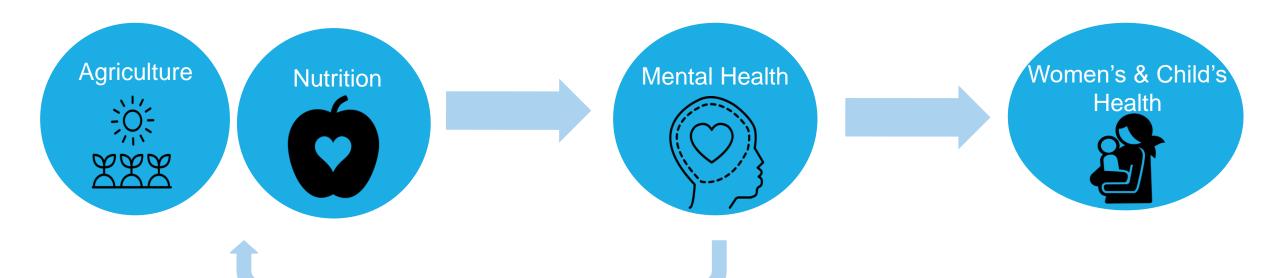
Depressive disorders	Total YLD (thousands)	YLD per 100,000	% of all YLDs	Rank cause	
Low- and middle-income countries				_	
- African Region	7 2 2 9	731	7.9		2
- Eastern Mediterranean Region	4049	685	6.9		2
- European Region	3517	859	8.1		2
- Region of the Americas	5 106	844	9.3		1
- South-East Asia Region	13 967	724	7.0		2
- Western Pacific Region	10525	640	7.2		2
High-income countries	9608	839	7.9		2
World	54 215	738	7.5		1

Source: WHO Global Health Estimates (http://www.who.int/healthinfo/global_burden_disease)

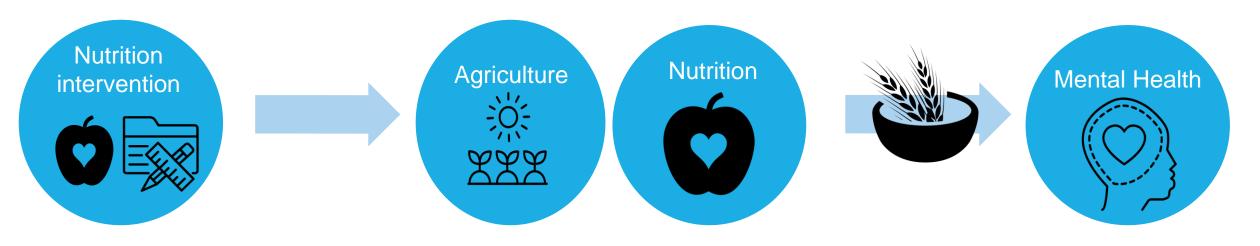
SO...WHY AM I HERE?



Agriculture, Nutrition & Health Academy

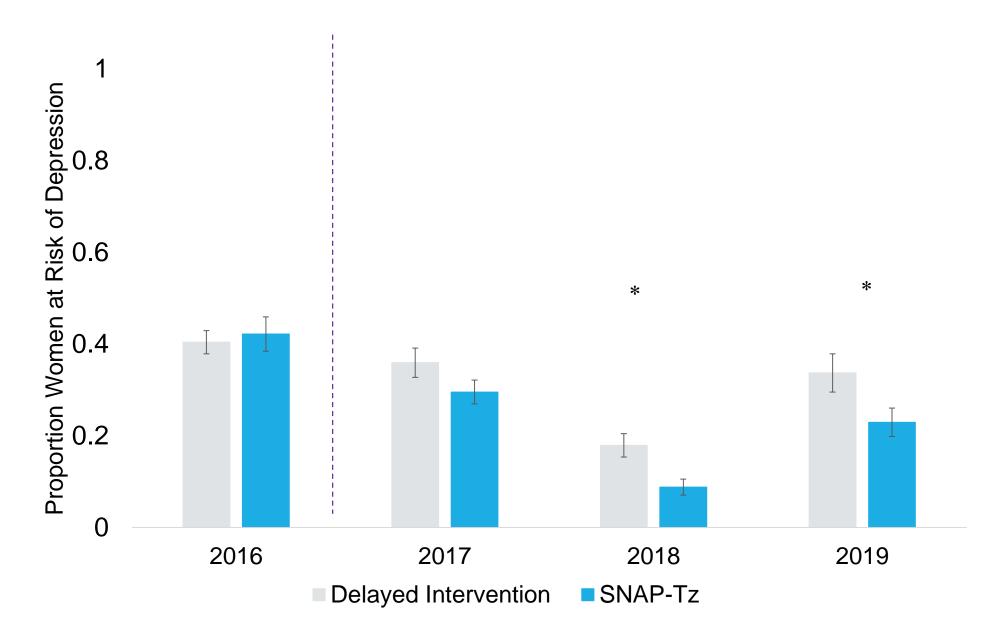


FOOD SECURITY LINKS TO MENTAL HEALTH



- Uncertain access to food creates stress
- Inability to fulfill social role can be stigmatizing
- Food insecurity associated with poor economic status
- Food insecurity associated with nutritional deficiencies

SNAP-TZ DECREASED WOMEN'S RISK OF DEPRESSION



OBJECTIVES

- 1. Share **impact evaluation** of an agriculture and nutrition-sensitive intervention on women's risk of depression
- 2. Unpack pathway
- 3. Give recommendations to measure depression in agriculture and nutrition interventions

THE SINGIDA NUTRITION AND AGROECOLOGY PROJECT (SNAP-TZ)

- Participatory agroecological intervention
- ≥10 control villages
- > Expected outcomes:













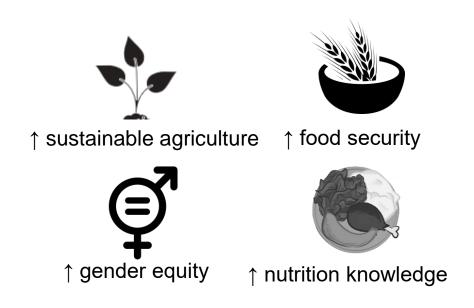






THE SINGIDA NUTRITION AND AGROECOLOGY PROJECT (SNAP-TZ)

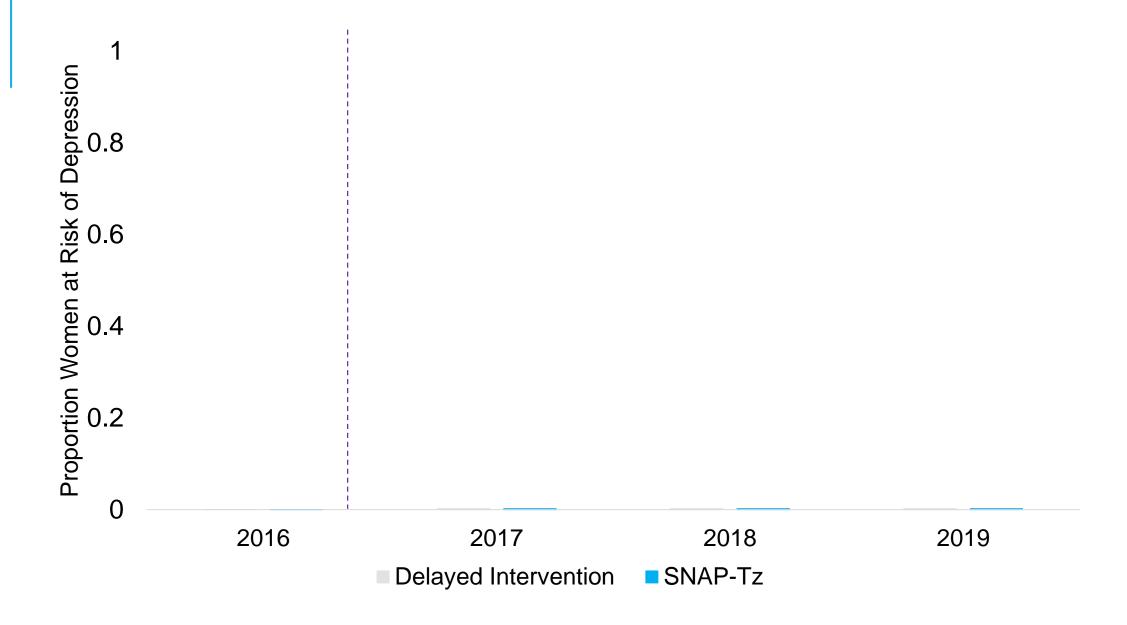
> Expected outcomes:

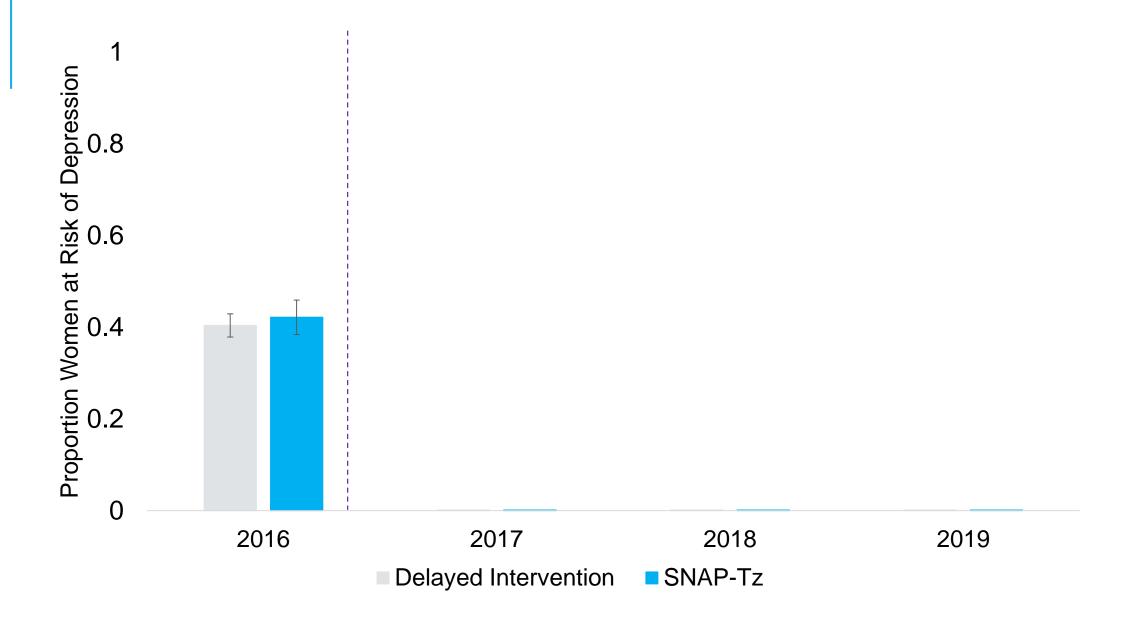


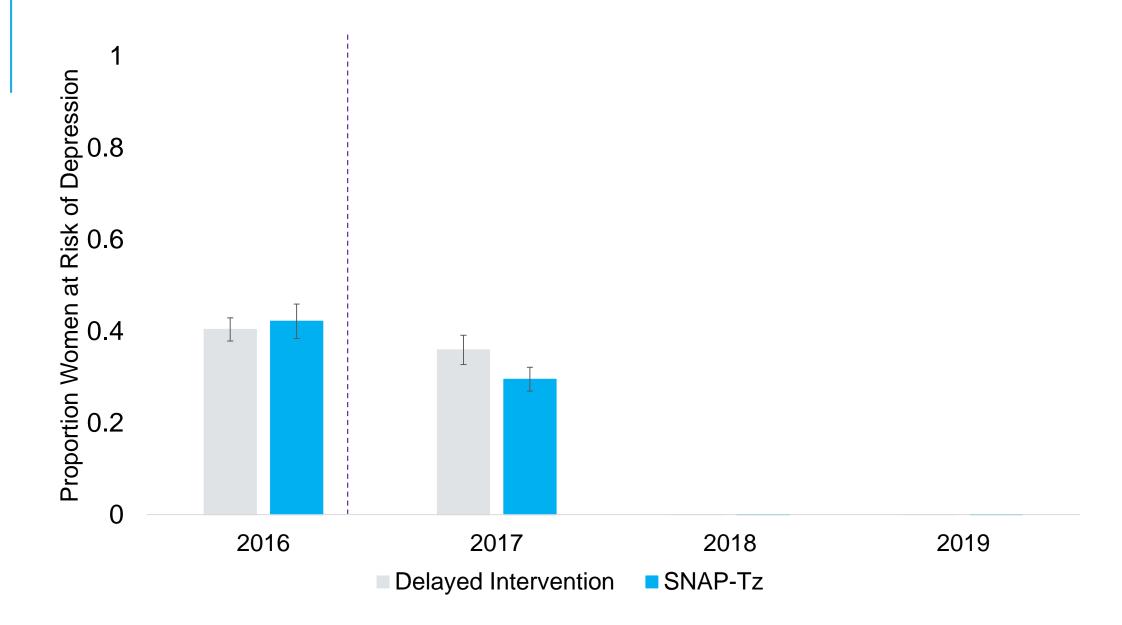


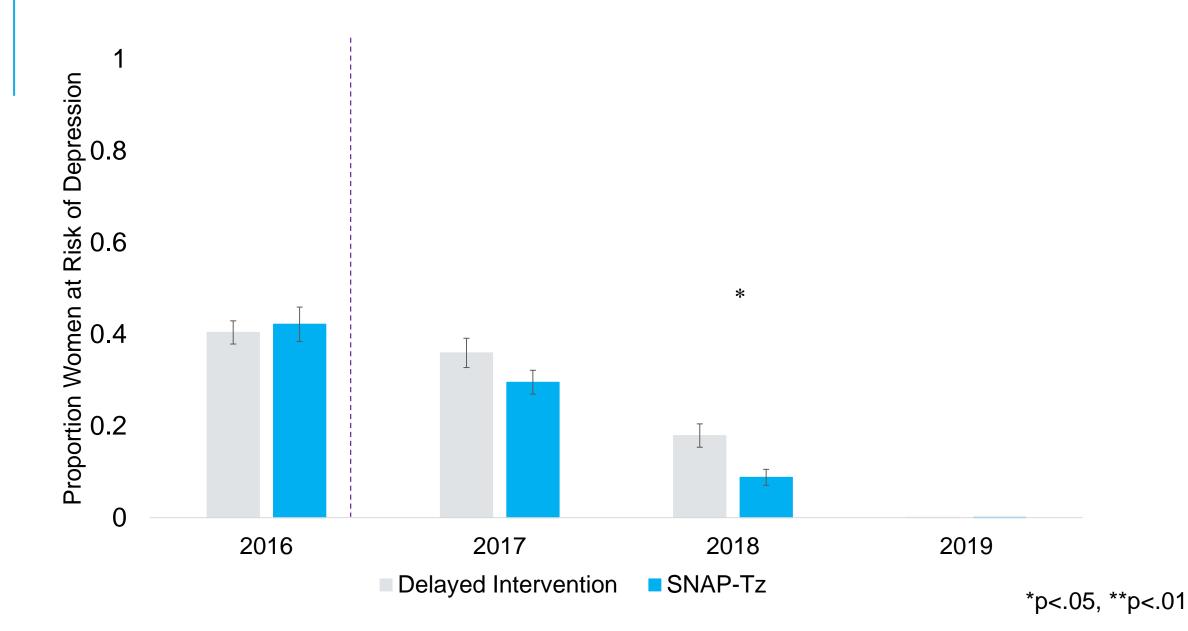
? women's depression

Center for Epidemiological Studies Depression (CESD)

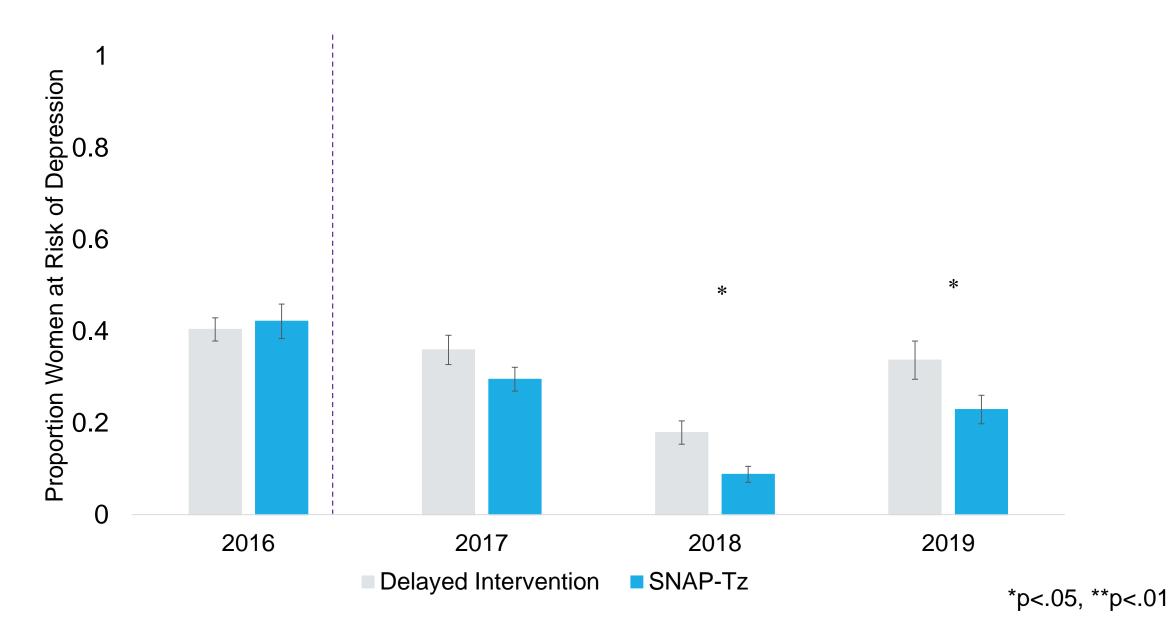






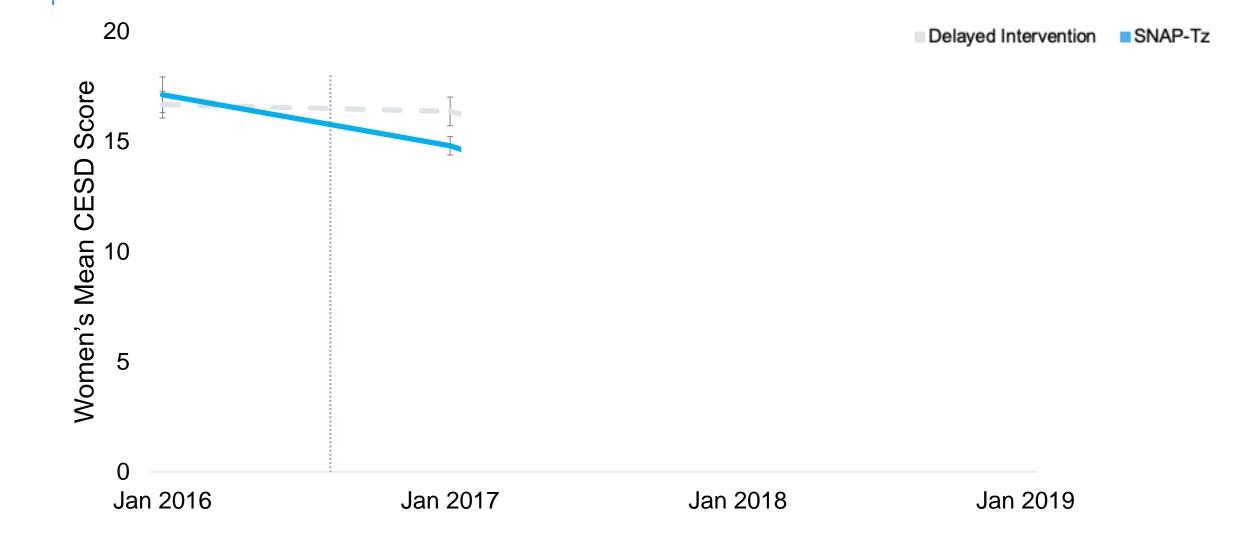


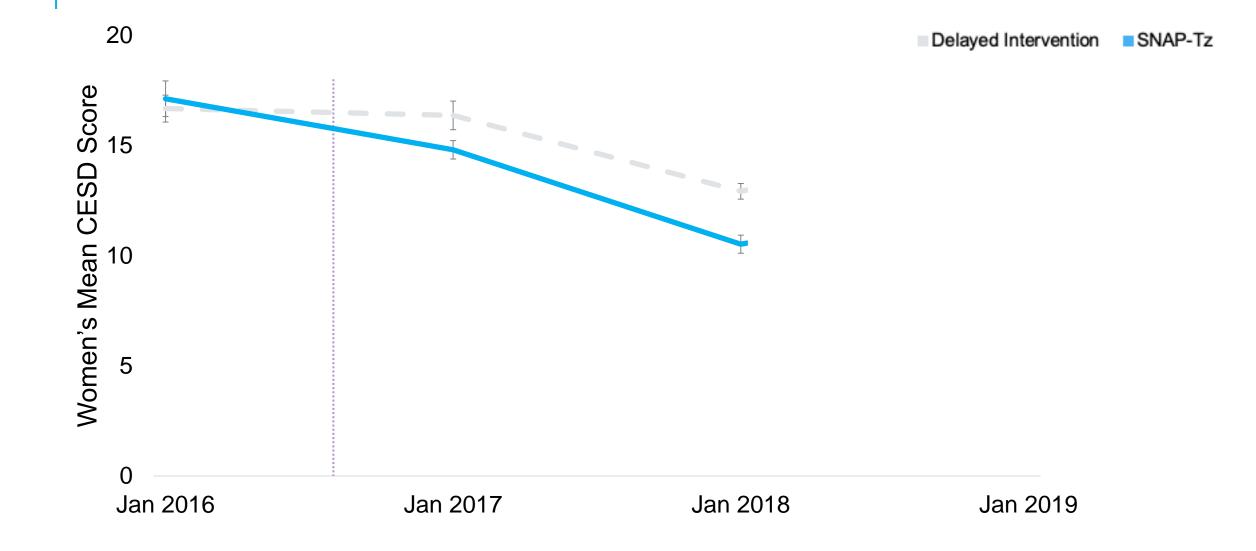
SNAP-TZ DECREASED WOMEN'S RISK OF DEPRESSION



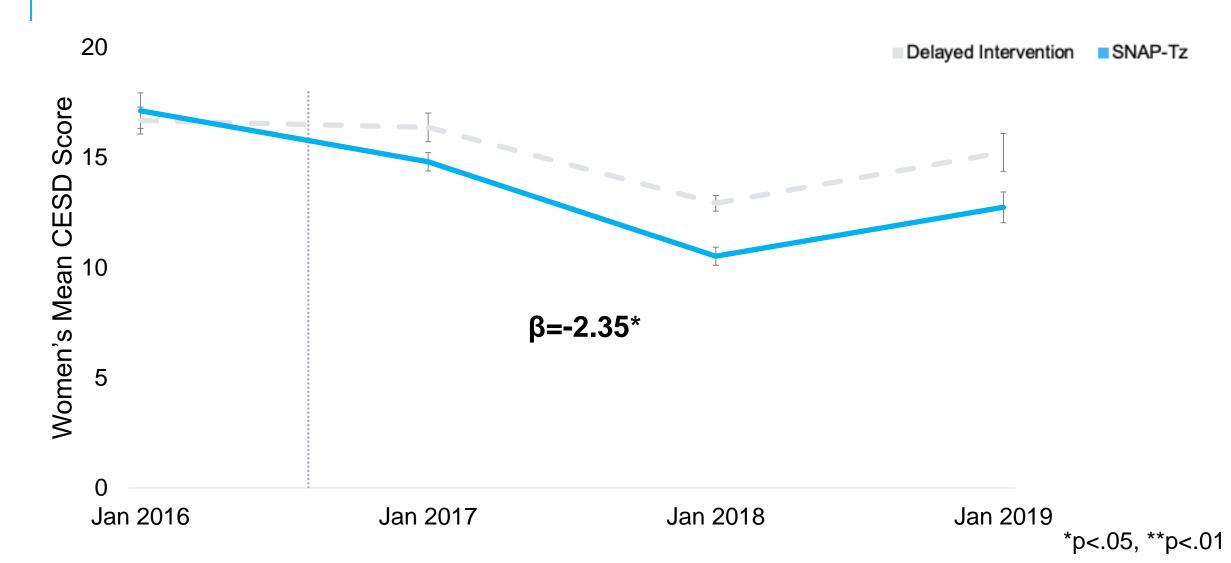




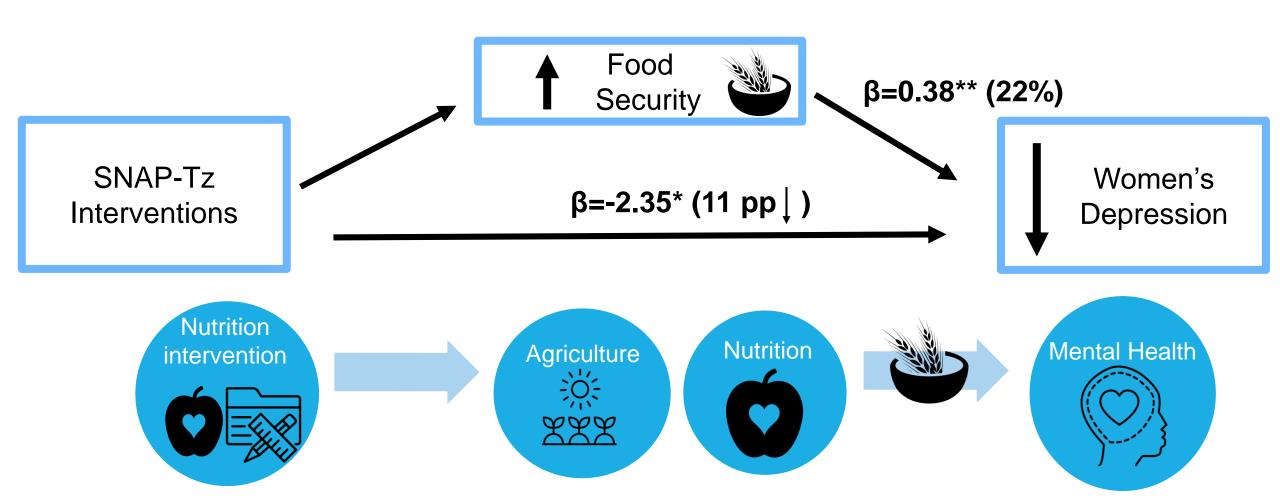




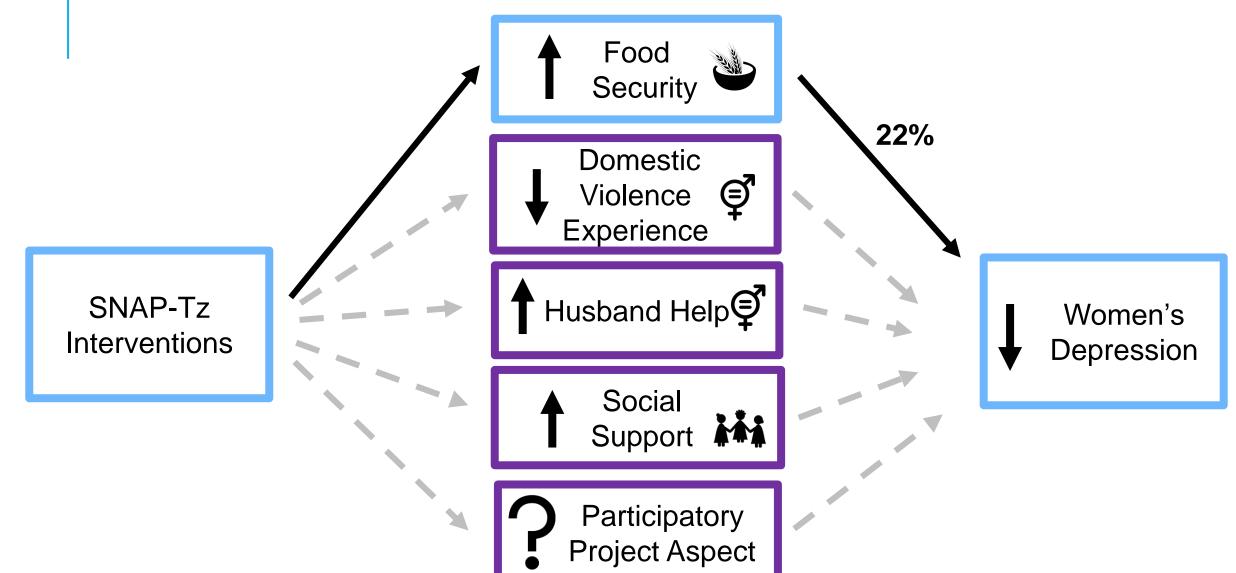
SNAP-TZ DECREASED RISK OF DEPRESSION BY 11 PERCENTAGE POINTS



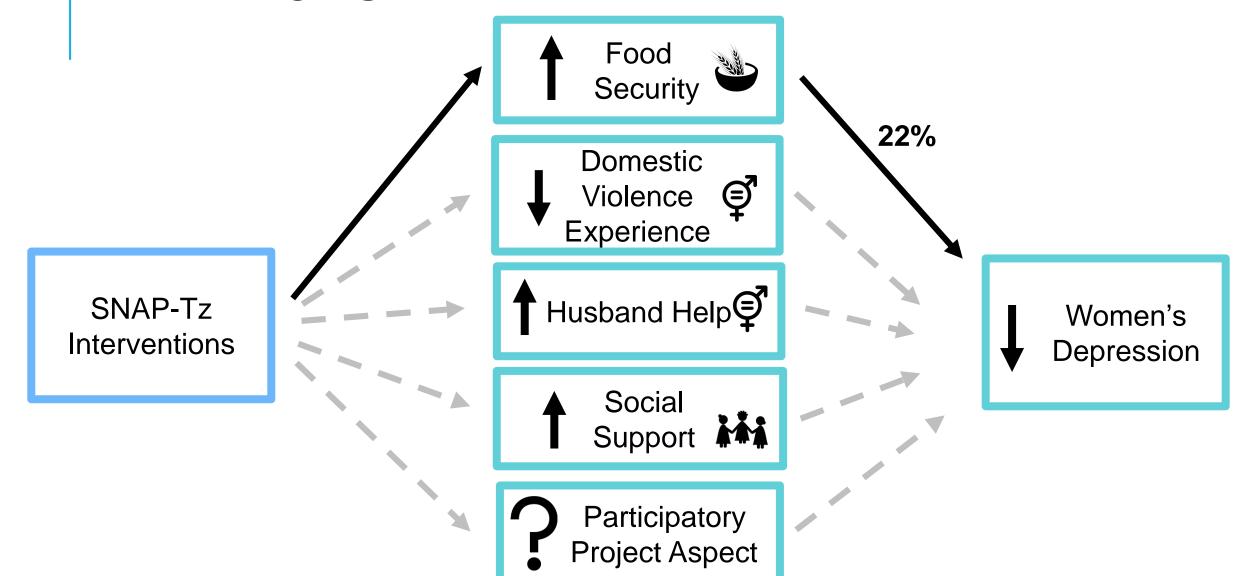
WHY DID THIS HAPPEN? FOOD SECURITY



FUTURE DIRECTIONS: ADDITIONAL POTENTIAL MEDIATORS



RECOMMENDATIONS: MEASURE POTENTIAL MEDIATORS

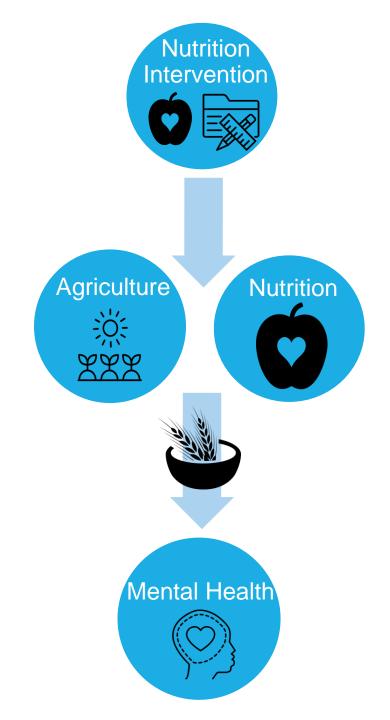


CONCLUSIONS

 This is one of the first reported impacts on decreasing risk of depression for a nutrition and agriculture intervention

 SNAP-Tz impact on women's depression seemed to operate through improving food security

These interventions have the ability to reduce the loss of quality life years for women in farming communities





A PARTICIPATORY AGROECOLOGICAL INTERVENTION DECREASES DEPRESSION AMONGST FEMALE SMALLHOLDER FARMERS IN SINGIDA, TANZANIA

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CES-D Question
Bothered by normal things
Loss of appetite
Trouble keeping my mind on task
Everything was an effort Restless sleep Talked less than usual Didn't have the energy Low spirits Sad and unhappy Thought life was failure Fearful Lonely Crying spells Sad
Feel valuable† Hopeful about future
Нарру
Enjoyed life
People were unfriendly
Felt people disliked me

Enumerator Participant Misunderstood Misunderstood

Participants Not Honest Answering

Lightest blue refers to 0-2 enumerator responses, middle blue 3-4, darkest blue 5-8.

