



NEIGHBORHOOD GARDENING TEAMS IN THE TIME OF COVID

Patty McKenna RN
MPH Candidate

Applied Practical Experience Sites

**UFM Community Learning Center
1221 Thurston**



Preceptor: Linda Teener, BSW, BS, MS

**Headquarters Fire Station
2000 Denison**



Preceptor:

Julie Gibbs, MPH

Overview

UFM Community Learning Center

GRO Gardening Teams Initiative

- Background
- Project description/Intervention
- Interviews/Outreach

Riley County Public Health

Contact Tracing

- Background
- Challenges / Learning
- Contribution

Competency charts

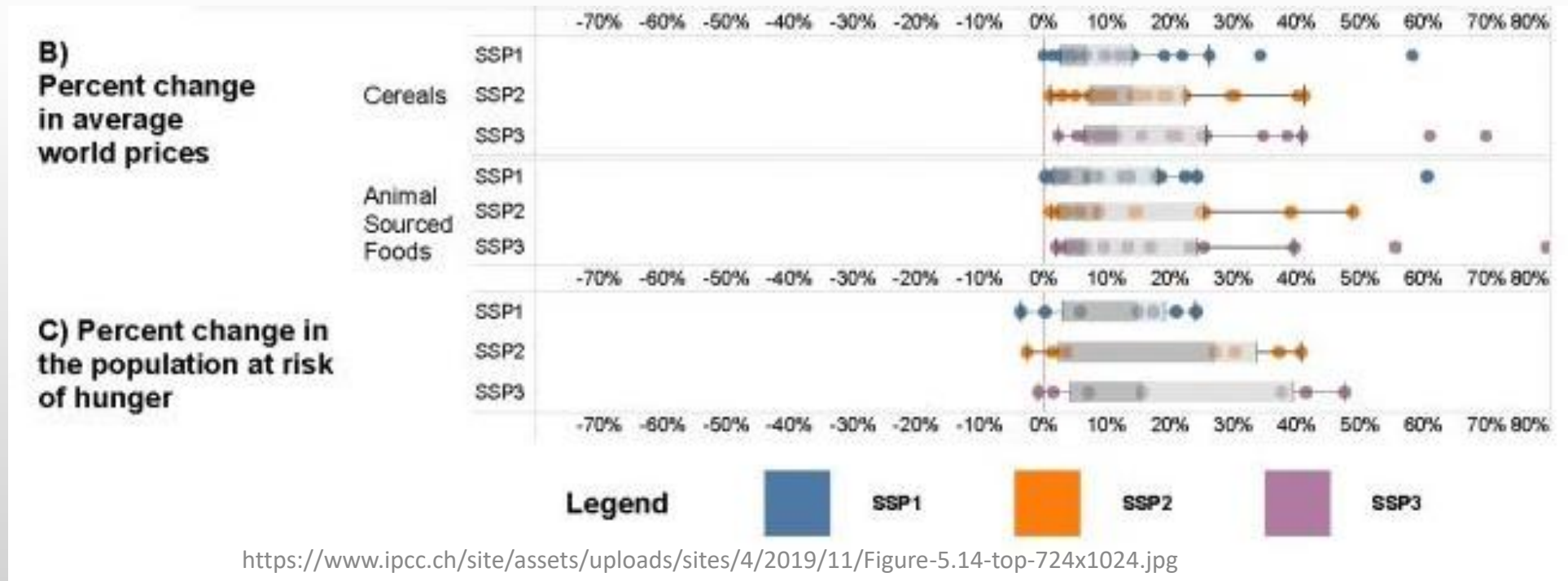
UFM Community Learning Center GRO Neighborhood Gardening Teams Initiative

- Linda Teener: Executive Director
- Carol Barta: Community Garden Coordinator
- Goal: Reduce barriers to community gardening
 - Transportation
 - Tools, plants
 - Knowledge

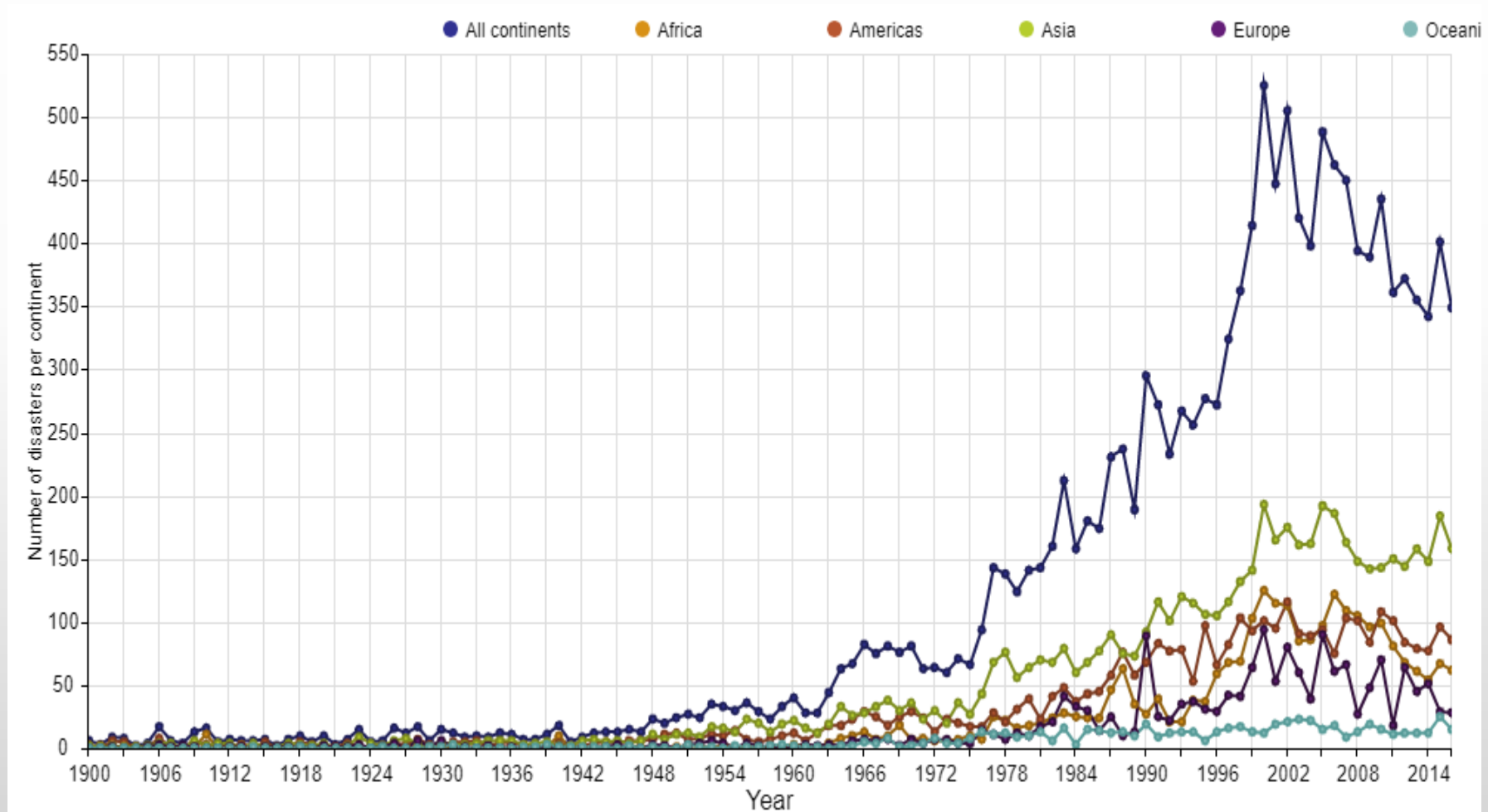


Global Picture

- Given increasing extreme events and interconnectedness, risks of food system disruptions are growing (*high confidence*).
- Observed climate change is already affecting food security through increasing temperatures, changing precipitation patterns, and greater frequency of some extreme events (*high confidence*).



Global Natural Disaster Trends (1900 – 2014)



Source: EM-DAT: The Emergency Events Database - Université catholique de Louvain (UCL) - CRED, D. Guha-Sapir - www.emdat.be, Brussels, Belgium

Konza Prairie – local impacts

Same annual rainfall.

Concentrated in fewer, larger events.

Pattern of drought then flood.

Jesse Nippert: Climate Impacts on the Prairie, 10/10/2019



Review of Relevant Literature

- a survey of 766 adults in Flint, Michigan (Alaimo, Packnett, Miles, & Kruger, 2008)
 - Household participation in a community garden = members consuming 1.4 times more F/V per day ($P < 0.001$) than those households without a gardener
 - Gardening households were 3.5 times more likely to meet the recommended dietary guidelines of at least 5 F/V per day

Porto, Portugal

- 115 / 116 gardeners participated
- Interview at time point one & 6-12 months later (time point two)

Impact of exposure duration on environmental sustainability practices and opinions towards aspects related to organic food, fruit and vegetables consumption.

	Up to 3 hours a week, n = 42 n (%)	More than 3 hours a week, n = 60 n (%)	p
<i>Savings in produce purchases</i>			0.016
Immense or a lot	3 (7.5)	13 (22.0)	
Moderately	12 (27.5)	21 (35.6)	
Little or anything	27 (65.0)	25 (42.4)	
<i>Increased organic food use</i>			0.011
Immense or a lot	29 (69.0)	53 (88.3)	
Moderately	9 (21.4)	7 (22.7)	
Little or anything	4 (9.5)	0 (0.0)	
<i>Increased fruit and vegetable use</i>			0.345
Immense or a lot	41 (97.6)	56 (93.3)	
Moderately	0 (0.0)	4 (6.7)	
Little or anything	1 (2.4)	0 (0.0)	
<i>Improved environmental sustainability practices</i>			0.783
Immense or a lot	35 (83.3)	51 (85.0)	
Moderately	6 (14.3)	9 (15.0)	
Little or anything	1 (2.4)	0 (0.0)	

Table 1
Environmental sustainability practices.

	Initial evaluation, n = 102 n (%)			Final evaluation, n = 102 n (%)			p
	Very often or often	Sometimes	Rarely or never	Very often or often	Sometimes	Rarely or never	
I looked for ways to reuse things	33 (32.4)	26 (25.5)	43 (42.2)	56 (54.9)	30 (29.4)	16 (15.7)	<0.001
I sorted paper for the recycling bin	31 (30.4)	34 (33.3)	37 (36.3)	72 (70.6)	17 (16.7)	13 (12.7)	<0.001
I sorted packages for the recycling bin	31 (30.4)	34 (33.3)	37 (36.3)	72 (70.6)	17 (16.7)	13 (12.7)	<0.001
I sorted glass for the recycling bin	31 (30.4)	34 (33.3)	37 (36.3)	67 (65.7)	22 (21.6)	13 (12.7)	<0.001
I tried to have friends / family sort materials for recycling	7 (6.9)	15 (14.7)	80 (78.4)	20 (19.6)	21 (20.6)	61 (59.8)	<0.001
I bought products in recyclable or reusable packaging	13 (12.7)	17 (16.7)	72 (70.6)	20 (19.6)	35 (34.3)	47 (46.1)	0.002
I picked trash from the ground that was not mine	3 (2.9)	22 (21.6)	77 (75.5)	16 (15.7)	11 (10.8)	75 (73.5)	0.038
I composted leftovers	3 (2.9)	13 (12.7)	86 (84.3)	101 (99)	1 (1.0)	0 (0.0)	<0.001
I choose to walk or bike to save gas	5 (4.9)	10 (9.8)	87 (85.3)	20 (19.6)	17 (16.7)	65 (63.7)	<0.001
I wrote a letter or signed a petition concerning an environmental issue	1 (1.0)	2 (2.0)	99 (97.1)	2 (2.0)	10 (9.8)	90 (88.2)	0.008
I voted for a candidate or party that supports the environment	0 (0.0)	0 (0.0)	102 (100)	7 (6.9)	6 (5.9)	89 (87.3)	0.001
I made a donation to an environmental group	0 (0.0)	4 (3.9)	98 (96.1)	1 (1.0)	9 (8.8)	92 (90.2)	0.717
I volunteered to help a green activity or environmental group	0 (0.0)	4 (3.9)	98 (96.1)	3 (2.6)	8 (7.0)	91 (89.2)	0.025

Nova, P., Pinto, E., Chaves, B., & Silva, M. (2020).

Ecological Model of Population Health



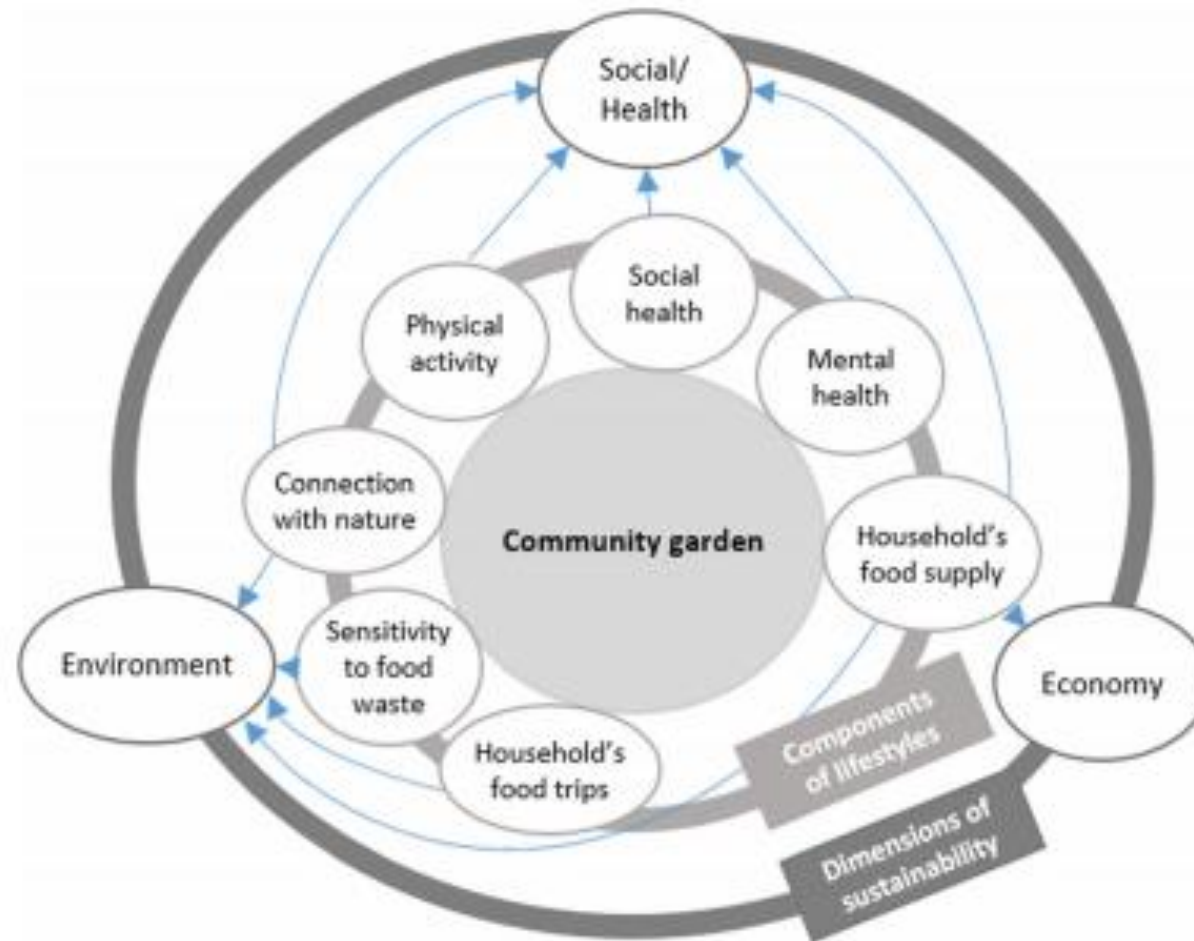
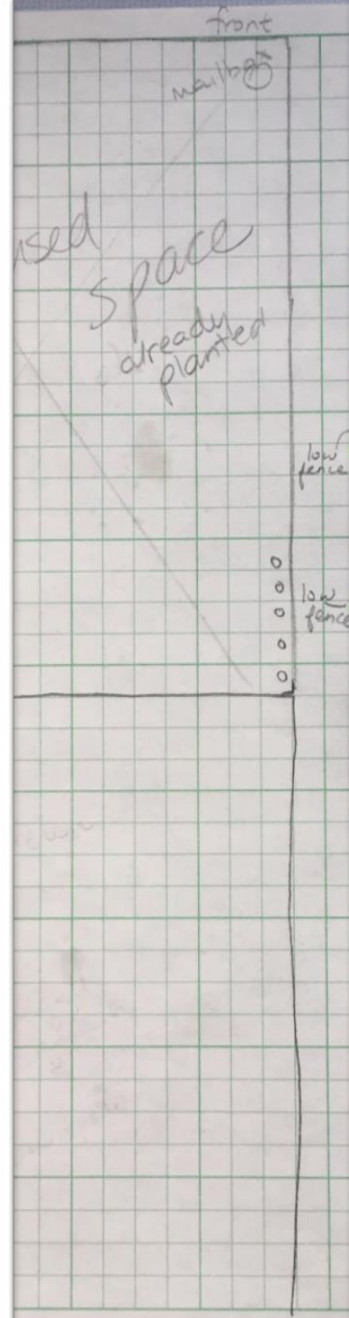


Fig. 1 Investigated components of the lifestyles and associated dimensions of sustainability

Community gardening and sustainable lifestyles
(Tharrey et al., 2019)



house

Neighborhood Gardening Teams:

A cooperative food production initiative

Project Goals

- To make a significant impact on the food security of team members and their families.
- Increase knowledge and skills needed to grow and consume your own food.
- Build ongoing communities of mutual support and interdependence around food production activities.

Timeline

June 2020 through February 2021 unfunded pre-pilot activities	Secure commitments to land Recruit Gardeners Design monthly gathering events for December through February Determine Administering 501(c)3 Assess & prepare plots Build organizational collaborations Design assessment tools
March through September 2021	Growing season, details above
October 2021 unfunded post-pilot activities	Assessment of Season 1, write report Affirm/renegotiate with current land owners for 2022 growing season Outreach additional landowners for 2022 season Prepare plots for next season

Key Informant Interviews



Outreach to Religious Communities

←

Neighborhood Gardenin...

Private · 8 places

Seven Dolors Catholic Church Office

4.7 ★★★★★ (37)

Catholic church · 731 Pierre St

Add note

Bethel AME Church

Methodist church · 401 Yuma St

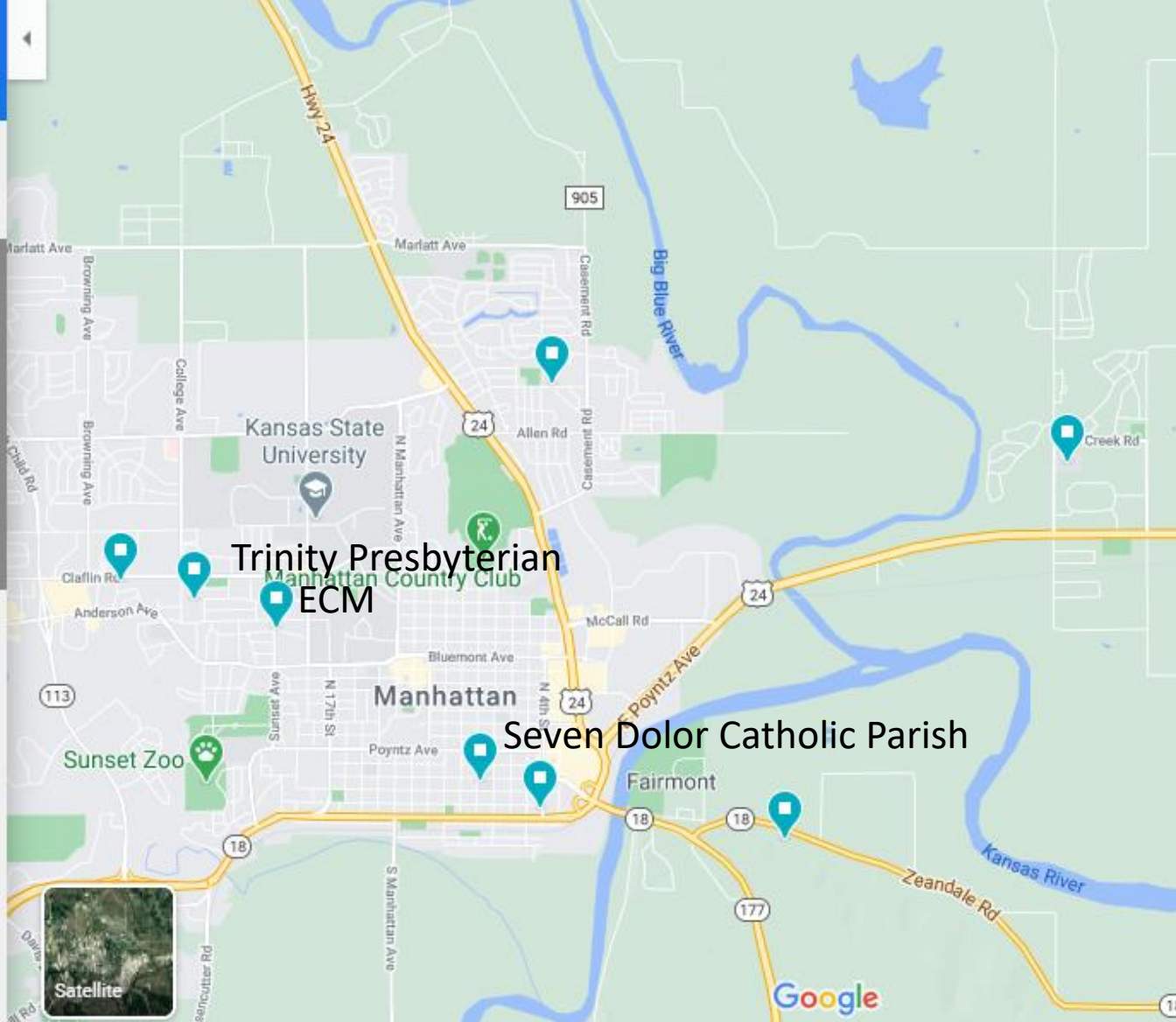
Add note

Unitarian Universalist Fellowship of Manhattan

4.3 ★★★★★ (3)

Unitarian Universalist Church · 481 Zeandale Rd

Add note



Competency 14: Advocate for political, social or economic policies and programs that will improve health in diverse populations

Social Media Tools with Guy Powers



Outreach to neighbors –Trinity Presbyterian

Neighborhood
Gardening
Teams



Let's grow some food together!

Trinity Presbyterian and the Neighborhood Gardening Teams Initiative, known as GRO, would like to invite you to grow food at Trinity. In response to the pandemic and food security concerns, neighbors are joining together to grow food and share it.

GRO will provide:

- monthly educational gatherings starting this September
- a set of gardening tools
- access to plants/seeds
- social connections between new gardeners and experienced gardeners

Decisions about your neighborhood garden at Trinity will be made by you, the Gardening Team.

Four other neighborhood teams will be supported by GRO and participate in the gatherings.

We would love to share more details with you. Please reach out to us,

Patty McKenna GRO Coordinator 1204 Colorado Street 253-970-7040 pmckenna28@gmail.com	Pastor Jim Hawley Trinity Presbyterian 1110 College Avenue 785-577-9330 jimandaj@mac.com
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Flyer used when door knocking in the neighborhood with Pastor Jim Hawley

Results:

- 30 household contacts made
- 13 names & numbers collected
- December garden design class scheduled

Outreach to neighbors –Seven Dolors



Equipos de Jardinería:
Una iniciativa cooperativa de
producción de alimentos
Organizado por: Patty McKenna
1204 Colorado Street



- ¿ Quieren cultivar alimentos juntos y compartirlos?
¿ Quieres construir comunidad con tus vecinos y amigos?
Ven a ser parte de un equipo de jardinería!

Formas de que puedan participar:

- Tierra de jardín (200 pies cuadrados)
- Compromiso de un año
- Su trabajo
- Formar su propio equipo o estar conectado con otros



GROW FOOD

- unas 4 horas a la semana de Marzo a Septiembre de 2021
- su experiencia en jardinería, cocinar, construcción, arte, ayudar a las personas a llevarse bien y trabajar juntos.....realmente cualquier habilidad práctica que tenga... queremos aprender de USTED, nuestros miembros de la comunidad

Lo que el programa trae a la mesa:

- Reunión mensual (empezando en Septiembre) donde aprenderemos, creceremos y jugaremos juntos (Zoom es una posibilidad dependiendo de la situación de Covid-19 en septiembre)
- compartir alimentos juntos
- compartir diversión y conocimiento



Actividades potencial:

- Diseños del jardín, hacer señales para nuestros jardines,
Fabricación de jardineras de cerámica, inicio de plantas a partir de la fabricación de sidra de semillas
Traiga su idea: Su conocimiento es bienvenido!!!
- un conjunto de herramientas de jardinería
 - Presupuesto de \$200 para plantas/semillas por jardín
 - ayudar a organizar la tierra / personas / construcción de equipos / ayuda con el horario / organización / realmente cualesquiera que sean sus necesidades particulares, estoy listo para ayudar



Gloria Green
785-317-5729



Neighborhood Gardening Teams:
A cooperative food production initiative
Organized by: Patty McKenna
1204 Colorado Street



You are welcome to stop by and see my current garden



- Want to grow food together and share it?
Want to build community with your neighbors and friends?
Come be part of Neighborhood Gardening Teams!

Ways you can participate:

- land to garden (200 square foot minimum space)
- one year commitment
- your labor
- form your own team or be connected with a team of 4-6 others to



GROW FOOD

- about 4 hours a week March through September of 2021
- your expertise in gardening, cooking, building, art, helping people get along and work together.....really whatever hands-on skills you have....we want to learn from YOU, our community members

What the program brings to the table:

- monthly get-togethers (starting in September) where we will learn, grow, and play together (Zoom is a possibility depending to Covid-19 situation come September)
- share food together
- share fun and knowledge



Potential activities:

- Garden design Calculate yields Make signs for our gardens
Making pottery planters Starting plants from seed Cider making
Bring your idea: Your knowledge welcome
- a set of gardening tools
 - \$200 budget for plants/seeds per garden
 - help organizing land / people / team building / help with schedule / organization / really whatever your particular needs are, I am ready to help

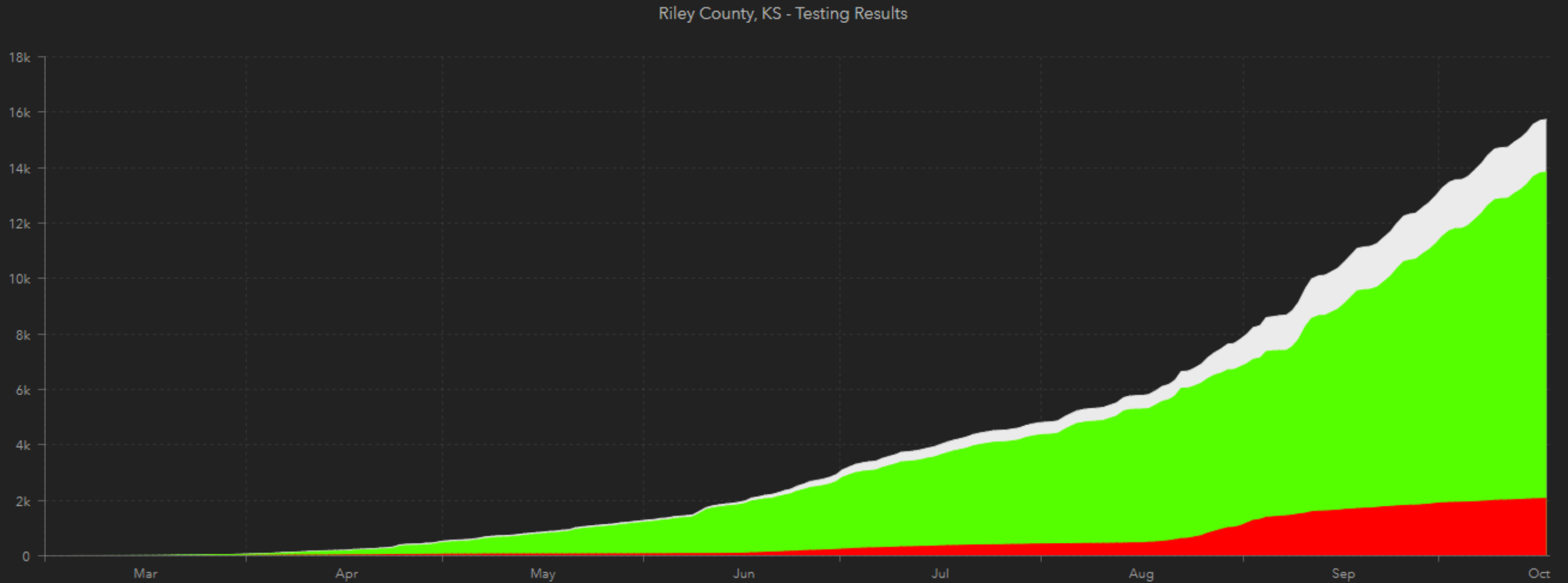


RCHD Contact Tracing

- Staff
 - Director of RCHD: Julie Gibbs
 - Emergency Preparedness Coordinator: Andrew Adams
 - 14 temporary, seasonal workers
 - 2 administration staff
 - 1 Registered Nurse
 - 11 front line contact tracers
- Location:
 - Emergency Operations Center @ Headquarters Fire Station
 - Large open room
 - Flexible staffing

COVID-19 in Riley County

Riley County Testing Results (Updated as of 10/19/2020)



Counts are Preliminary and Subject to Change.

Last update: a few seconds ago

External challenges

- Fractured Healthcare System
 - Guidance varies between providers
 - Electronic Medical Records
 - Inconsistent insurance coverage
- Testing
 - Length of time required to run test
 - Access to testing
 - Process of getting results to contact tracers
- Disinformation
 - Politicization of health information

Kansas House Bill 2016 (passed Sept. 2020)

The bill:

- Provides legislative oversight of CARES Act funding through a simple majority of the State Finance Council.
- Ratifies and extends the Governor's emergency declaration.
- Prohibits the Governor from closing businesses until September 15 and limits the length of how long she can close down businesses to 15 days.
- Any extension of the closures must be approved by the State Finance Council.
- Allows counties to adopt less stringent public health orders than a statewide order if certain conditions are met.
- Gives County Commissions the power to review, amend, or revoke any order given by their County Health Officer.
- Conditions that any order made by the Governor to close schools needs to be approved by the State Board of Education.
- Provides liability protections for a variety of businesses and health care providers.
- Designates how KDHE and Local Health Departments can conduct contact tracing for COVID-19 and **requires the Agency to put forth Rules and Regulations to govern our COVID-19 Contact Tracing initiative.**

COVID-19 Contact Tracing Privacy Act

The bill requires each person acting as a contact tracer, before collecting any contact data, to execute under oath, on a form prescribed by rules and regulations of the Secretary, an acknowledgment of familiarity with the Privacy Act and the duties it imposes, including the duty of confidentiality. The state or municipal entity hiring, contracting with, or engaging the contact tracer must maintain a copy of the executed form for not less than one year after the person's duties as a contact tracer end, or pursuant to applicable records retention schedule, whichever is later.

The bill states participation in contact tracing shall be voluntary, and no contact or infected person shall be compelled to participate in, nor be prohibited from participating in, contact tracing. Any contact or infected person who in good faith discloses to a contact tracer information requested by the contact tracer under authority of the bill is immune from civil, criminal, and administrative liability for such disclosure. No criminal, civil, or administrative liability shall arise against a contact or infected person solely due to the person's failure to cooperate in contact tracing conducted under the bill.

Internal Focus

*God, grant me
the Serenity to accept
the things I cannot
change,
the courage to change the
things I can, and the
wisdom to know the
difference.*

GOAL: Reduce transmission of COVID-19 in Riley County.

Objective

- Provide **timely** and **accurate** isolation and quarantine recommendations according to our KDHE Guidelines.

We are not....

- Documenting for the sake of studying COVID-19.
- Changing external structures.

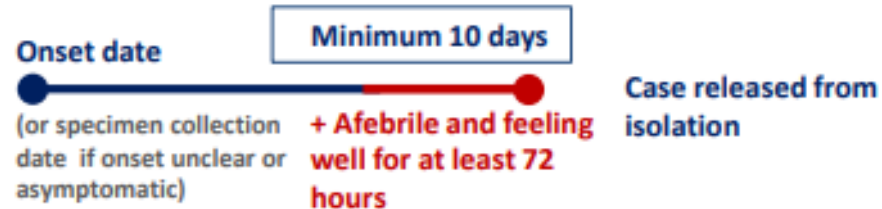
Priorities

- 1) call all new positive cases
- 2) call their contacts
- 3) (pass onto leadership) isolation / quarantine letters requested by cases / contacts
- 4) review email monitoring data, make calls for daily follow up prioritizing those within 72 hours of anticipated release from isolation / quarantine.

RELEASING CASES AND CONTACTS FROM ISOLATION AND QUARANTINE

CASES

Must be isolated for a minimum of 10 days after onset and can be released after afebrile and feeling well (without fever-reducing medication) for at least 72 hours, whichever is longer.



Note: Lingering cough should not prevent a case from being released from isolation.

Examples:

- A case that is well on day 2, and afebrile and feeling well for 72 hours, can be released from isolation on day 10.
- A case that is well on day 6, and afebrile and feeling well for 72 hours, can be released from isolation on day 10.
- A case that is well on day 14, and afebrile and feeling well for 72 hours, can be released from isolation on day 17.

HOUSEHOLD CONTACTS

Must be quarantined for 14 days after the case has been released from home isolation (because exposure is considered ongoing within the house).



If a household contact develops symptoms, they should be tested.

This means that household contacts may need to remain at home longer than the initial case.

Examples:

- A case is well 3 days after onset, case released from isolation on day 10, household contact must remain quarantined until day 24.
- A case is well 7 days after onset, case released from isolation on day 10, household contact must remain quarantined until day 24.
- A case is well 14 days after onset, case released from isolation on day 17, household contact must be quarantined until day 31.

NON-HOUSEHOLD CONTACTS

Must be quarantined for 14 days from the date of last contact with the case.



Contact Tracer Note Sheet



RILEY COUNTY
HEALTH DEPARTMENT



Public Health
Prevent. Promote. Protect.

CONTACT TRACER NOTE SHEET

Demographics:

☐ CONFIRMED CASE
 ☐ HOUSEHOLD CONTACT
 ☐ CLOSE CONTACT
 ☐ PROBABLE CASE

Name (last, first): _____

Preferred phone: _____ Contact time: _____

Email: _____

Address: _____

County of residence: _____

Birth date: ____/____/____ Age: ____ Sex: ☐ Male ☐ Female ☐ Unknown

Occupation: _____

TESTING INFORMATION:

Date tested: _____

Date results: _____

Location tested: _____

POSITIVE or NEGATIVE

FOR CONTACTS ONLY:

Who is the positive case? _____

Date of last contact: _____

Symptoms:

General symptom onset date (test date if asymptomatic positive case): _____

<u>BOTH CASES AND CONTACTS:</u>	<u>Onset/End Date:</u>	<u>ONLY CONFIRMED/PROBABLE CASES:</u>	<u>Onset/End Date:</u>
Fever: ☐ Yes ☐ No		Chills: ☐ Yes ☐ No	
Temperature: _____ °F		Muscle ache: ☐ Yes ☐ No	
Cough: ☐ Yes ☐ No		Runny nose: ☐ Yes ☐ No	
Shortness of breath: ☐ Yes ☐ No		Sore throat: ☐ Yes ☐ No	
Difficulty breathing: ☐ Yes ☐ No		Nausea/vomiting/diarrhea: ☐ Yes ☐ No	
Loss of taste: ☐ Yes ☐ No		Abdominal pain: ☐ Yes ☐ No	
Loss of smell: ☐ Yes ☐ No		Headache: ☐ Yes ☐ No	
Other, specify: _____			

Other notes: _____



RILEY COUNTY
HEALTH DEPARTMENT



Public Health
Prevent. Promote. Protect.

Day 0 is the symptom onset/test date for positive cases OR last known contact date for contacts.

Timeline starts 48 hours prior to Day 0 to encapsulate infectious period of positive cases.

Day	Date	Locations visited	Symptoms	Survey submitted?
-2				
-1				
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
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24				
25				
26				
27				
28				

*Denotes testative out dates for isolation (Day 11) and quarantine (Day 15 for non-household contacts and Day 25 for household contacts).

Worksite cultural transformation

- Clarity of Goal and Objectives
- Open communication between leadership and front line staff
- Competence building
- Apply common sense, compassion to gain cooperation from public
- Recognize limitations of system

MPH Competencies

Competency 9: Design a population-based policy, program, project or intervention

Competency 13: Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes

Competency 14: Advocate for political, social or economic policies and programs that will improve health in diverse populations

Competency 16: Apply principles of leadership, governance and management, which include creating a vision, empowering others, fostering collaboration and guiding decision making

Competency 21: Perform effectively on interprofessional teams

MPH Emphasis Area: Public Health Nutrition Course Mapping

Number and Competency	Course Taught In
<i>1) Information literacy of public health nutrition</i>	FNDH 600 Public Health Nutrition FNDH 700 Global Health & Nutrition FNDH 880 Graduate Seminar in Human Nutrition
<i>2) Compare and relate research into practice</i>	FNDH 780 Functional Foods for Chronic Disease Prevention FNDH 700 Global Health & Nutrition FNDH 880 Graduate Seminar in Human Nutrition MC 750 Strategic Health Communication
<i>3) Population-based health administration</i>	FNDH 600 Public Health Nutrition FNDH 880 Graduate Seminar in Human Nutrition
<i>4) Analysis of human nutrition principles</i>	FNDH 844 Nutritional Epidemiology FNDH 700 Global Health & Nutrition
<i>5) Analysis of nutrition epidemiology</i>	FNDH 844 Nutritional Epidemiology FNDH 880 Graduate Seminar in Human Nutrition

With much appreciation....

Graduate Committee:

Sandy Procter, PhD, RD, LD

Ellyn Mulcahy, PhD, MPH

Jennifer Hanson, PhD, RD, CSSD

Preceptors:

Linda Teener, BSW, BS, MS

Julie Gibbs, MPH

Shadow Committee (My Parents):

Cia Verschelden, EdD, MSW

Paul G McKenna, PhD

Dean Denner, MS

Classmate (Friend):

Ariana Achakzai, MPH

(without whom I would not have made
it through my first semester)

References

- Alaimo, K., Packnett, E., Miles, R. A., & Kruger, D. J. (2008). Fruit and vegetable intake among urban community gardeners. *Journal of nutrition education and behavior*, 40(2), 94-101.
- Nova, P., Pinto, E., Chaves, B., & Silva, M. (2020). Urban organic community gardening to promote environmental sustainability practices and increase fruit, vegetables and organic food consumption. *Gaceta sanitaria*, 34(1), 4-9.
- <https://wasatchgardens.org/>
- <https://northviewrising.org/>
- <https://mapj.org/>
- <https://www.kacee.org/>
- <https://tryufm.org/community-gardens/>