CONNECT - ENGAGE - INSPIRE

2022

Teaching and Learning Conference

NSU Florida

PUTTING IT ALL TOGETHER:

UTILIZING STUDENT-CURATED PORTFOLIO PROJECTS TO ENGAGE AND IMMERSE STUDENTS FROM WEEK 1

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ABOUT THE SPEAKER

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Community Health
Mental Health
Epidemiology Honors
Public Health Planning
MPH Capstone

LEARNING OUTCOMES

DEFINE the Gradual Release of Responsibility Framework

DESCRIBE a multi-faceted portfolio project to engage learners meaningfully throughout the semester

USE an assignment with your learners to synthesize course concepts, promote shared learning, and practice oral presentation skills

WORKSHOP AGENDA

- Need and relevance
- Goals and solutions
- Outline of project components
- Sample assignment
- Wrap up
- Q&A

WHAT IS YOUR BIGGEST FRUSTRATION ABOUT ASSIGNING PROJECTS TO YOUR STUDENTS?

PollEv.com/CNAVARROPHD

What is your biggest frustration about assigning projects to your students?

Top

Powered by Poll Everywhere

Start the presentation to see live content. For screen share software, share the entire screen. Get help at **pollev.com/app**

BACKGROUND & CONTEXT

How I got to this point with project-based learning

A short-story of good intentions

WHAT IS PROJECT-BASED LEARNING ???

APPROACH

Uses projects to explore real-world problems

Inquiry-based, open-ended, engaging, problem-solving, and contextualizing
(Sam Houston State University, 2010)

WHAT IS PROJECT-BASED LEARNING ???

RESEARCH

Improves learning in higher education
(Bell, 2010; De Vivo, 2022)

Increases collaboration, problem-solving, communication, self-direction, creativity, time-management, and work-ethic
(Wurdinger & Qureshi, 2015)

WHAT IS PROJECT-BASED LEARNING ???

STRATEGIES

Can be used any time in the classroom at any education level

Authentic; alternative to traditional assessments
(Thomas, 2000)

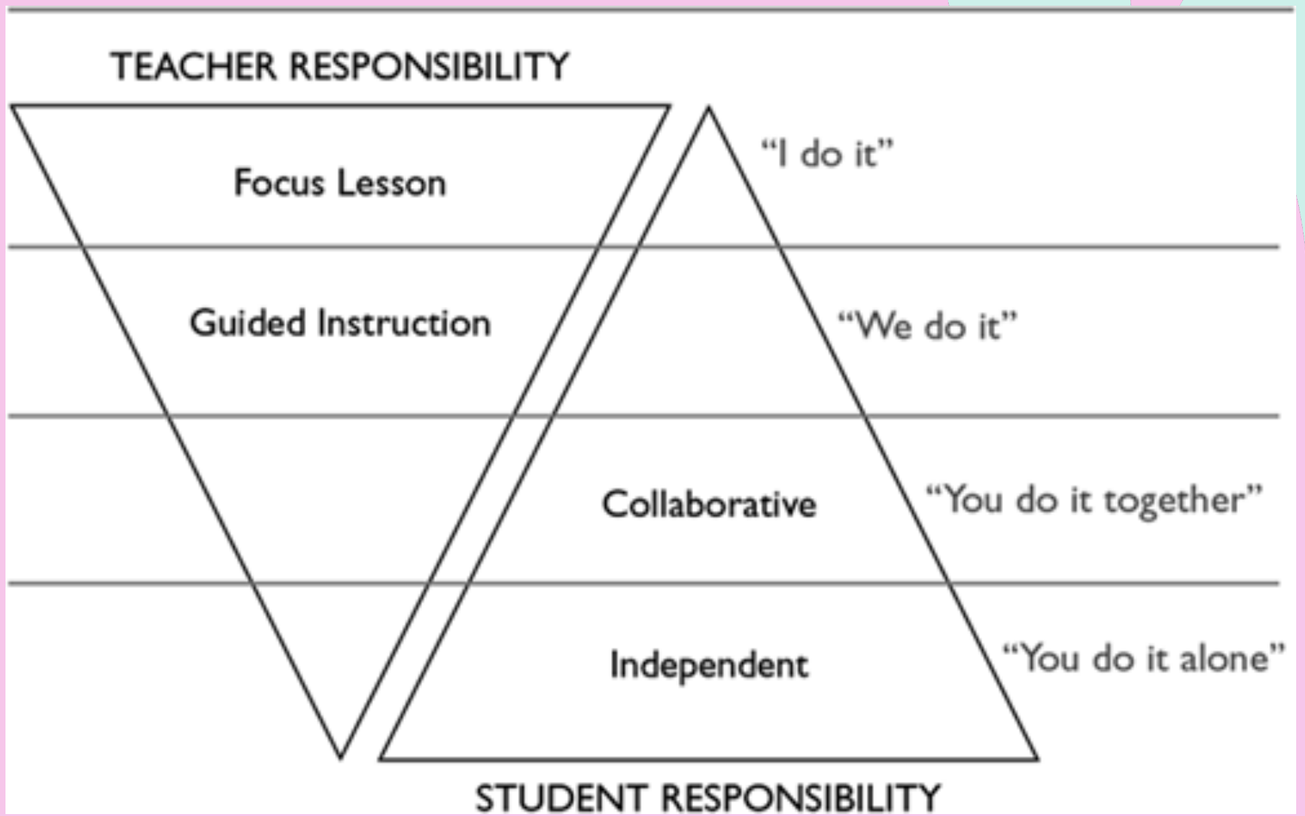
INSTRUCTIONAL METHOD

The Gradual Release of Responsibility Model

GOAL

Devolve responsibility within the learning process from teacher to the eventual independent learner.

(Frey & Fisher, 2013)



(Wisconsin Department of Public Instruction, n.d.)

Modeling and Instruction

Teacher
"I do it"

Joint Responsibility

Teacher + Learners
"We do it"

Independent Practice & Application

Learners
"You do it"

THE INTENT

Give students an **authentic** approach to learning and while **synthesizing concepts** learned in class over an **extended period time**.

Culminates in a presentation product

THE PROBLEM

Last minute efforts

Poor quality submissions

Lack of enthusiasm for topics

Misses the mark on the intent

WHY DO STUDENTS DELAY RIGHT BEFORE DEADLINES?

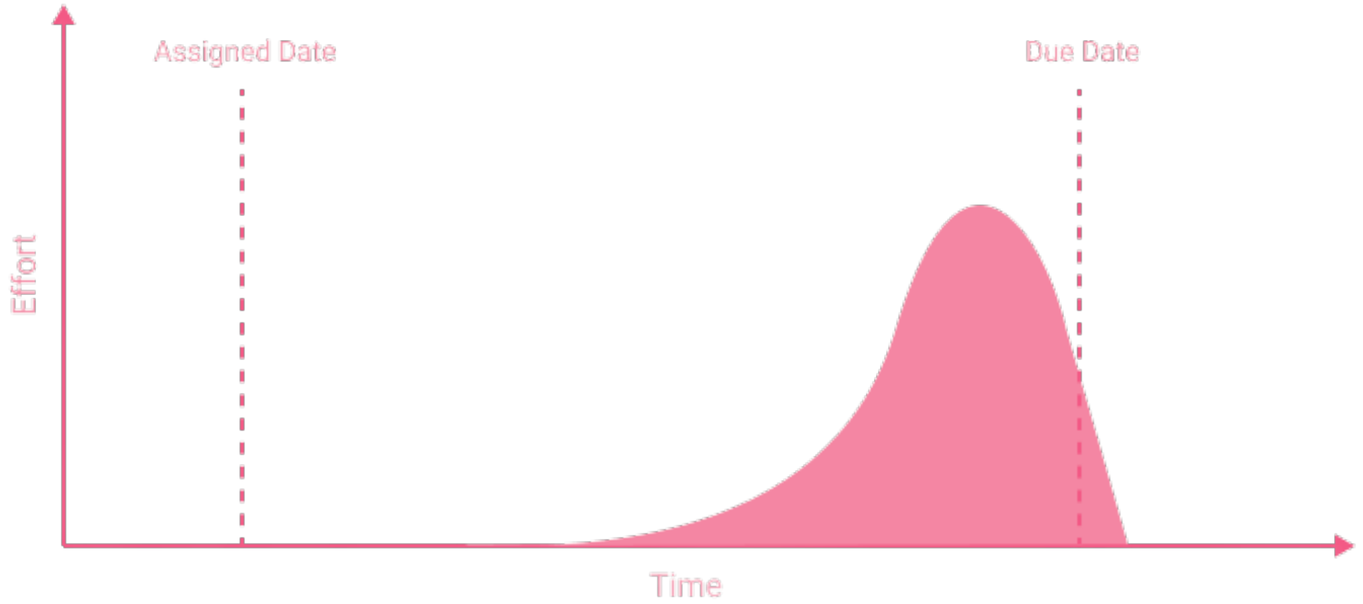
Student Syndrome

More complex than laziness and poor time management

Procrastination "economics"

Dopamine rewards

(Cohen, 2016; Shatz, 2022)



Graphic presentation of Student Syndrome
(Balyuk, 2020)

FRUSTRATION IS THE MOTHER OF INVENTION

If it doesn't work the way you want it,
then reinvent it

GOAL

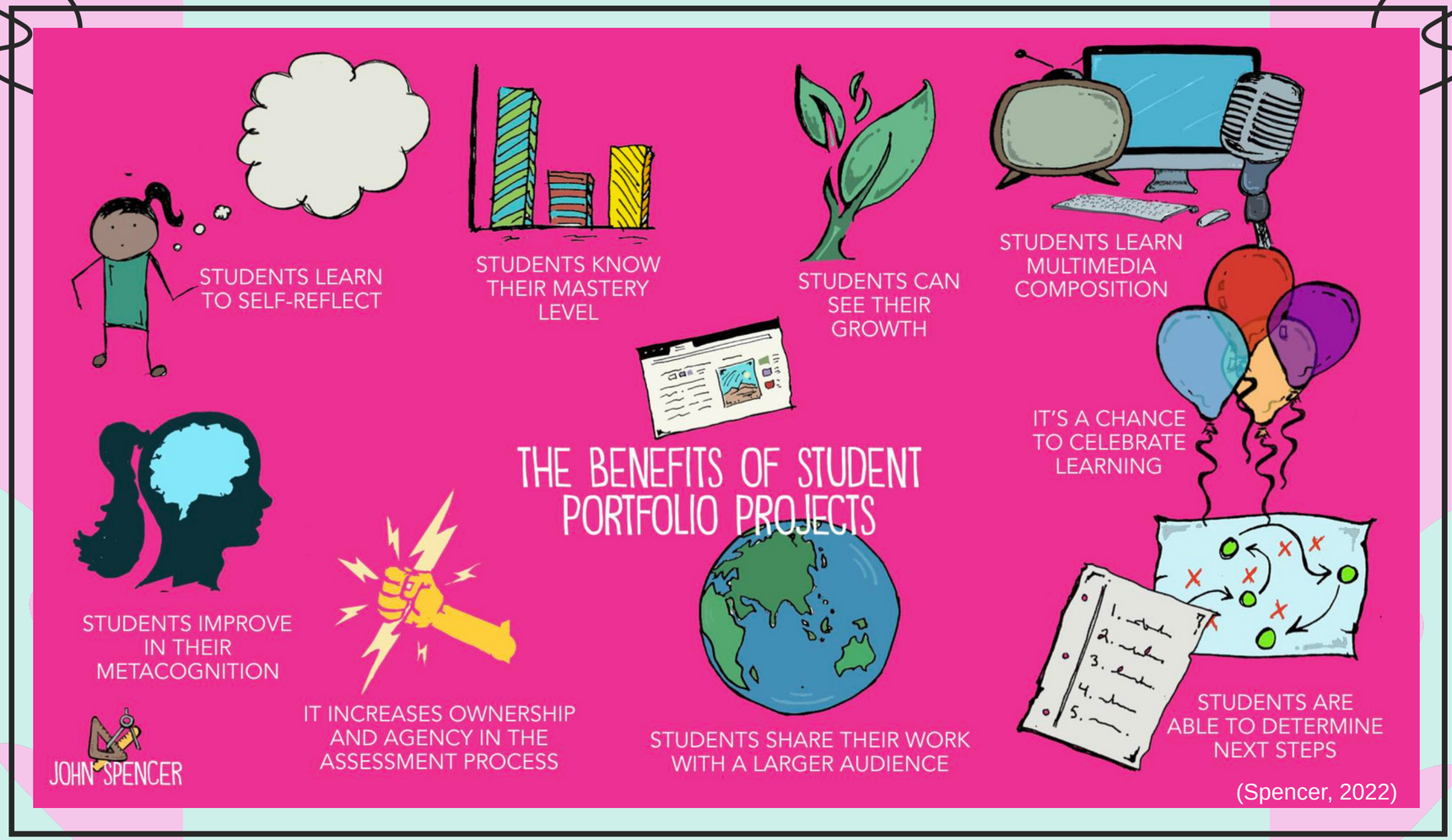
Continuously engaged in course

Demonstrate learning

Submit quality work

SOLUTION

Student-Curated
Portfolio Project



(Spencer, 2022)

BENEFITS OF PORTFOLIO PROJECTS

THE ASSIGNMENT

Community Health Portfolio Project

- Week 1, you will identify a topic that you want to focus on for the whole semester
- Each week, you will be assigned a prompt or activity that applies what we have learned in this week's chapter
- You will respond by creating one slide with the information requested
- At mid-term (Week 8), you will compile your slides into one deck and orally present to your peers in small groups.

Personal and meaningful

Relevant and timely

Attainable (small ask)

Engaging and intimate

THE ASSIGNMENT

Community Health Portfolio Project

6 chapters in 6 weeks

Focused Instruction

"I do it"

6 activities on 6 Mondays

Guided Instruction

"We do it"

6 portfolios in 6 slides

Independent Application

"You do it alone"

PORTFOLIO PROJECT TIMELINE

WEEKLY

Graded submissions
Feedback given
Opportunities to resubmit

OVERALL

Focus on quality,
not quantity

Week 1	Portfolio 1: Hometown Health
Week 2	Portfolio 2: Community Health Organizations
Week 3	Portfolio 3: Community Organizing
Week 4	Portfolio 4: Creating a Demographic Profile
Week 5	Portfolio 5: Vital Statistics
Week 6	Portfolio 6: Vaccination Coverage
Week 7	-- Technical Assistance (TA) Day --
Week 8	Oral Presentations in Small Groups

SAMPLE PROMPTS

and Student Work

PORTFOLIO 1

Hometown Health

- **CHOOSE** a domestic (U.S.) geographic community that you would like to focus on for the entire semester. You are encouraged to choose your hometown community.
- Briefly **DESCRIBE** the community. Without researching other sources, tell us what YOU know about this community so far. Include pictures.
- **IDENTIFY** and **EXPLAIN** 2 factors that can affect the health of this community.

HOMETOWN HEALTH

ST. CROIX
U.S. VIRGIN ISLANDS

St. Croix is the largest of a group of islands that make up the Virgin Islands, a U.S. territory.
Population estimate: 87,000

Diversity

Demographically and socioeconomically diverse people

Community Size

87,000
Population estimate (all USVI)

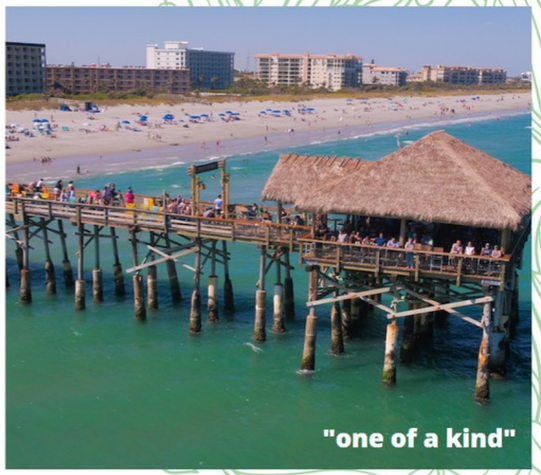
Geography

Hurricanes and other tropical disasters

HOMETOWN HEALTH

COCOA BEACH, FLORIDA

Cocoa Beach is a Florida city known for its beaches, surf breaks, and it's proximity to the Kennedy Space Station.



Economy

Home to a military base: Patrick Air Force Base

Environment

Well- constructed built environment

Geography

Warm and humid temperatures; Hurricanes

Hometown Health

San Jose, California

- Major tech hub in the Northern California Bay Area, home to several leading tech companies such as Apple and Google
- Largest city in Northern California (population size ~1 mil)
- Characterized by its Asian influence, greenery, and cool climate.

Socioeconomic Status

- Fairly affluent community due to high salaries and cost of living in CA

Industrial Development

- Abundance of factories used for manufacturing and processing due to modernization

San Francisco, California

San Francisco is a large cultural city containing scenic beauty, cultural varieties, and diverse communities.

Diversity

Melting pot of cultures with people ranging from diverse backgrounds

Community Size

874,784

Population estimate

Geography

Summers are long and warm. Winters are short and cold.

New York City

The "concrete jungle" of the United States. Located in the State of New York. Nickname: The Big Apple.

Population estimate: 8,804,190

Community size

- Urban area
- ↑ demands for health
- Largest in State of New York

Economy

- Affects: health and social services
  - Unemployment rate (2022): 6.1 %

HOMETOWN HEALTH

Pembroke Pines Florida

- Pembroke Pines is a city in southern Broward county, Florida, It has a population of 171,178 and is the forth most populous city
- Climate
  - Hurricanes and other tropical storms
- Social economic
  - Average income of 34,041 USD
- Crime
  - Total Crime in 2018 is 3,782

HOMETOWN HEALTH
PEMBROKE PINES, FLORIDA

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  - Climate
    - Hurricanes and other tropical storms
  - Social economic
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PORTFOLIO 2

Community Health Organizations

In Chapter 2, we discuss different types of agencies that contribute to the promotion, protection, and maintenance of health in a community.

- **IDENTIFY** 2 community-level health agencies : 1 governmental and 1 non-governmental
- Briefly **DESCRIBE** each agency's mission/vision and the population serve. Include logos or taglines of the organization.
- **EXPLAIN ONE SPECIFIC** health service/program that each organization offers to the community.

GOVERNMENTAL

USVI Department of Health (VIDOH)
Public health agency for all USVI

Mission: To reduce health risks, increase access to quality healthcare and enforce health standards.

Program: The Virgin Island Infants and Toddlers Program (ITP)

- Early intervention services for infants and toddlers who have disabilities/developmental delays.

NON-GOVERNMENTAL

University of the Virgin Islands Center for Excellence in Leadership & Learning (UVI CELL)
Authorized training center by the American Heart Association (AHA)

Mission: Dedicated to fighting heart disease and stroke.

Program: Lifesaving Skills Courses

- Basic Life Support (BLS), Adult and Infant Cardiopulmonary Resuscitation (CPR), and Automated External Defibrillators (AED)

PORTFOLIO 3

National Alliance on Mental Illness

NAMI Greater Houston

- Programs: Family support groups, school presentations, Criminal Justice Program, and various NAMI programs

Mission:

"to provide advocacy, education, support and public awareness so that all individuals and families affected by mental illness can build better lives."

NAMI Peer-Peer Program

Individual & Community levels

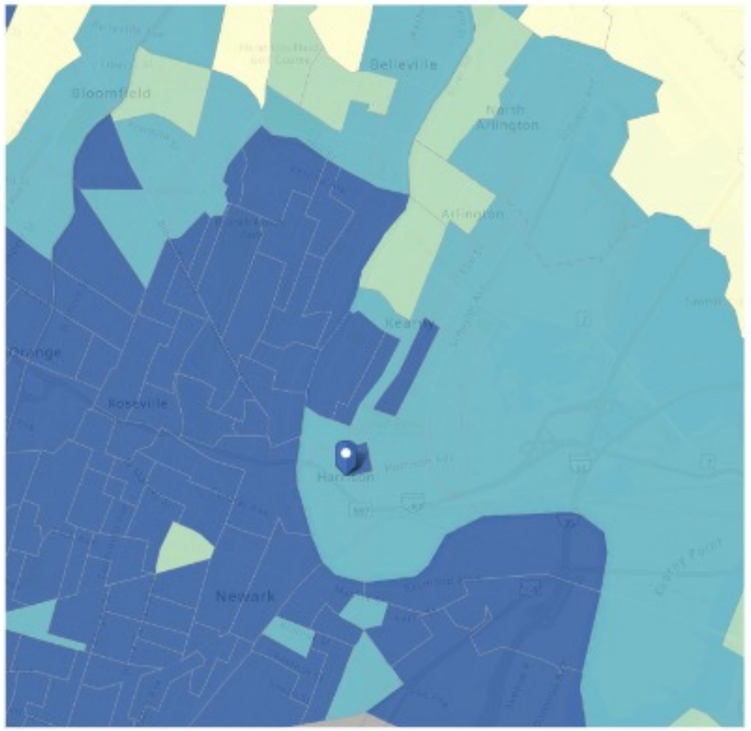
- course that share information about one's mental health condition
- provide and teach "strategies to maintain recovery in an uncritical and accepting environment"

(National Alliance on Mental Illness, n.d.)

PORTFOLIO 4

Harrison Demographic

Harrison	Hudson County
Race/Ethnicity	
50.1% Hispanic/latino	42.5% Hispanic/latino
42.5% White alone	63.7% White alone
Age & Sex	
49.1% Female persons	50% Female persons
20.5% Persons <18	20.4% Persons <18
9.3% Persons >65	12.6% Persons >65
Population Characteristics	
227 Veterans	10,892 veterans
55.9% Foreign born persons	43.6% Foreign born persons
Health	
5.1% Persons <65 with a disability	5.8% Persons <65 with a disability
16.4% Persons without health insurance <65	12% Persons without health insurance <65
Income	
Median household income $66,699	Median household income $75,062
Poverty	
15.6% Persons in poverty	13.1% persons in poverty



- Harrison has a SVI score of **0.7647** Which indicates a high level of vulnerability
- Lighter blue is shown in the communities around harrison indicating a moderate to high levels of vulnerability
- The lighter color the area the lower vulnerability level is

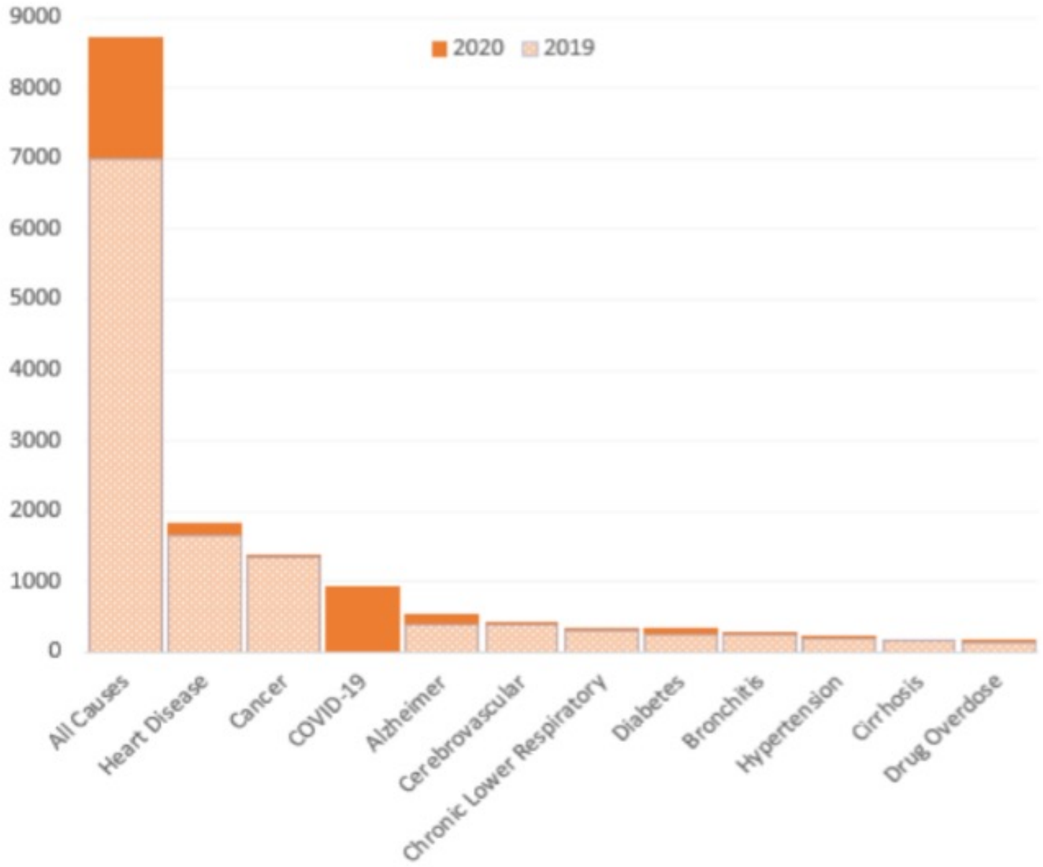
(Census, 2021)
(ATSDR, 2018)

PORTFOLIO 5

Vital Statistics

Fresno County Department of Public Health

2019-2020 Leading Cause of Death Report



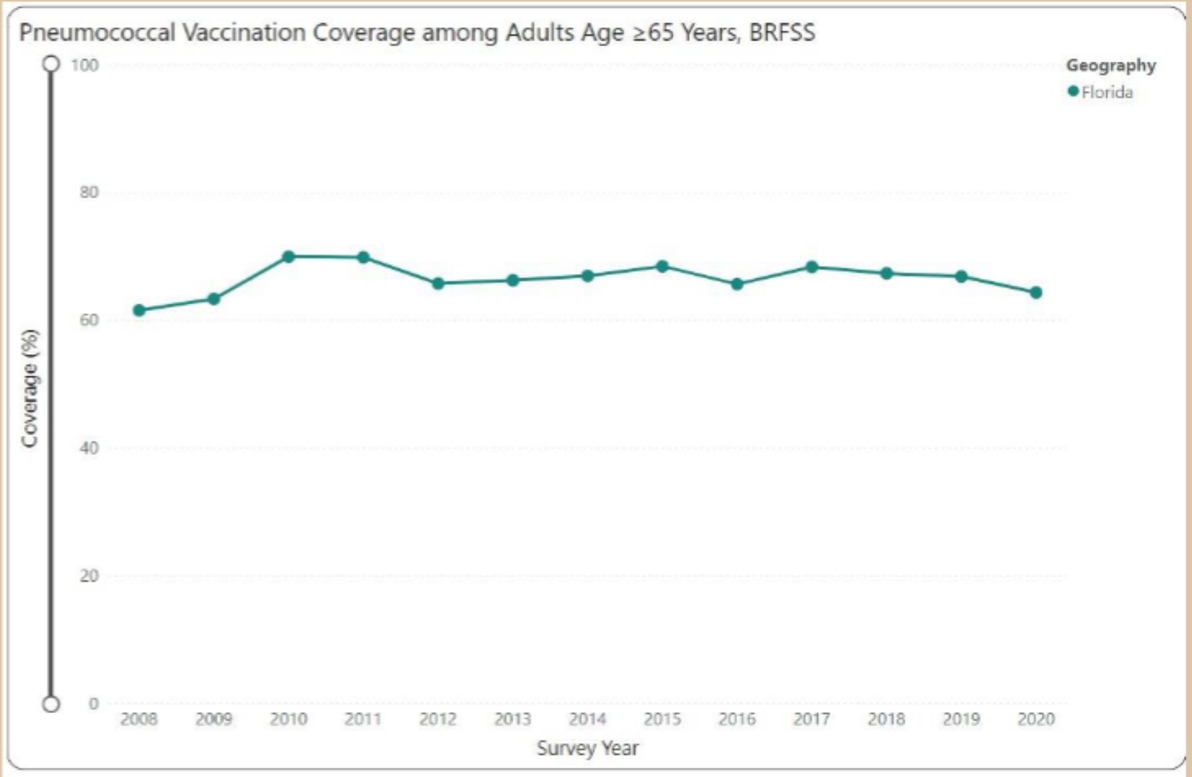
Life Expectancy Disparity

Though slightly above the national average life expectancy, there is a disparity between Fresno County's life expectancy and the average life expectancy in California

PORTFOLIO 6

Vaccination Coverage: Florida[9]

- Database: Floridian adults equal to or greater than 65 years old with pneumococcal vaccination coverage
- Trend Explanation: No significant change in coverage over the past 5 years



NOW WHAT ???

AT MIDTERM

Portfolios compiled into one product

Presented in small manageable groups of 5

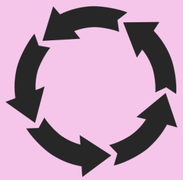
Peer reviews and self-reflection

Feedback shared from peers

Confidence in submitting "A" work for midterm project

SUMMARY

Goals addressed through multi-faceted portfolio project
that engages learners meaningfully throughout semester



Continuously engaged in course

Weekly portfolio assignments

Personal interest

Demonstrate learning

Written and oral communication

Course concepts synthesized

Submit quality work

Opportunities for feedback and resubmission

Peer reviews

FEEDBACK LOOP

What do the students say?

When students were asked:

"Out of all the in-class exercises and homework assignments, which has been your favorite?"

70% of students (15/21)
chose the portfolio project

FEEDBACK LOOP

What do the students say?

When students were asked:

"What are the things you have enjoyed the most about this class so far?"

"Portfolio project"

"Apply what you've learned to
to your own community"

"Assignments don't feel like busy work.
The purpose and association is clear"

"Helpful feedback on work"

"The ability to collect and analyze data from community databases. It's like an intro to research"

"I love that slides for the portfolio were due every week so that it forced me out of a habit of procrastination. It made my life a lot easier come time for midterm week since I wasn't scrambling to complete the project."

THANK YOU

What questions do you have?

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