



SRA INTERNATIONAL  
ANNUAL MEETING  
**SEATTLE 2023**  
OCTOBER 14-18

# A strategic framework to optimize sponsored research services:

An experience from a transitioning small to medium  
institution

By: Doris Andujar; Fernando Rosario, and Claris Vega



# Knowing Our Audience

## *Poll*

- Position (Director, Deans, VPs, etc)
- Centralized, Departmental
- Pre-award, Post-Award, Contracts, All of the Above



# Learning Objectives:

## Objective 1:

Explain how the logic model can be utilized in sponsored research administration and strategic planning.

## Objective 2:

Describe the benefits of how a collaborative approach can support a successful strategic plan development and initiation process.



# Background



# Background

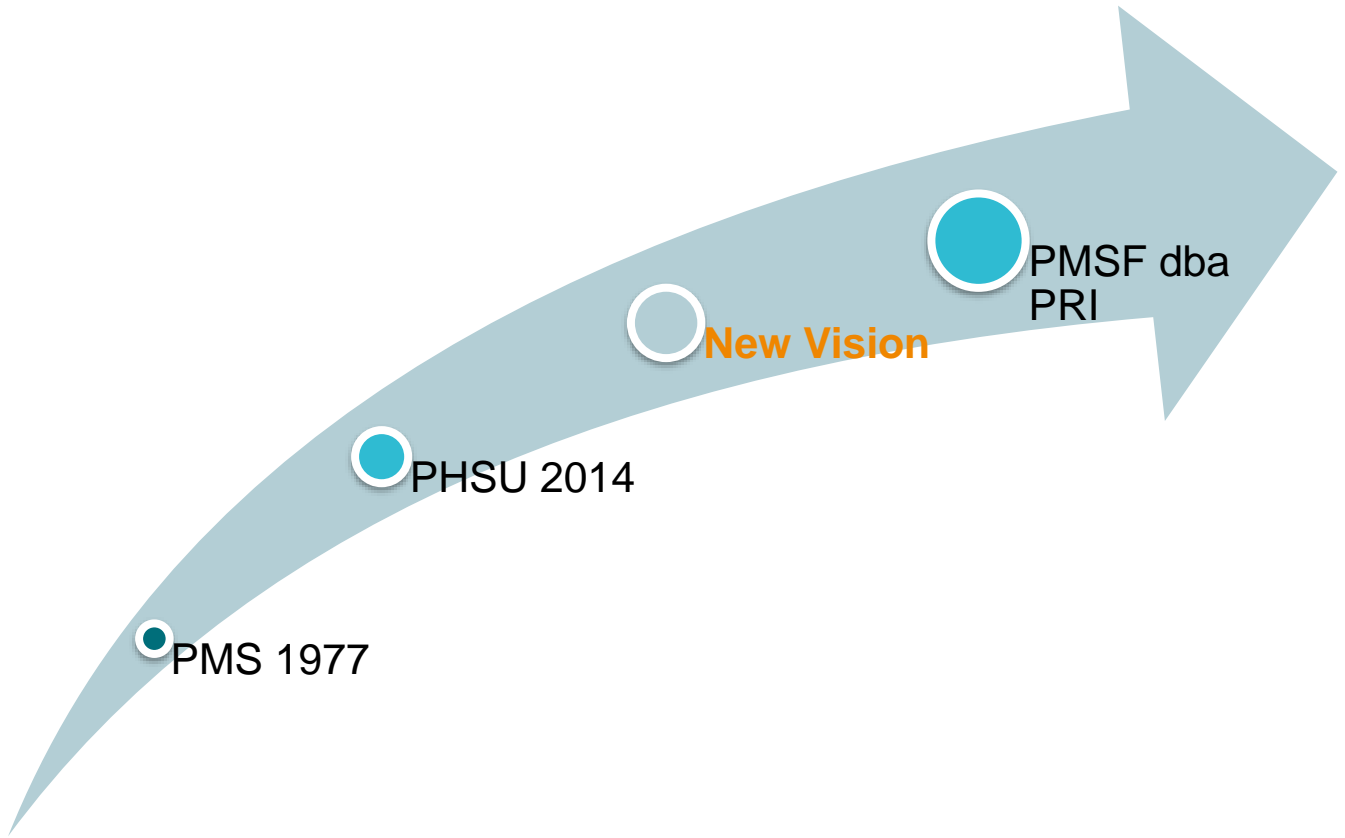
## In 2014...

### PHSU

- Ponce School of Medicine was founded in 1977 and became Ponce Health Sciences University (PHSU) in 2014.
- New PHSU **Vision** is to build upon its reputation as a prestigious academic and research leader by continuing to educate underrepresented diverse populations while focusing research efforts on solving health disparities both locally and abroad.
- With PHSU's new vision, the Ponce Medical School Foundation, Inc. doing business as the **Ponce Research Institute (PRI)** emerged.



# Institutional Overview





# PHSU/PRI location

The Institute is located in the southern coastal city of Ponce (population ca. 250,000) in the US Commonwealth of Puerto Rico (PR).





# Ponce School of Medicine





# Ponce Health Sciences University





# Background

## PRI

- Established the **mission** to make a difference by solving health disparities through groundbreaking, innovative and relevant research that has a global impact in health care.
- PRI's **main goal** is to strengthen and expand research activities to diversify the scientific work and reduce health disparities.
- The Office of Research and Sponsored Program and Projects focused on assisting biomedical scientists **re-branded** to the **Office of Research Development (ORD)** with the purpose of streamlining all funded research at PHSU by enhancing the human resources to support research faculty from all disciplines such as behavioral and brain sciences, clinical studies, clinical trials, public health, translational research, in addition to basic and biomedical sciences.



# What is PRI?

- Non-profit 501 (c) (3)
- Is a foundation connected the Ponce Sciences University
- 66 + Researchers
- 500 + Staff
- 23 million current portfolios
- PRI –Divisions:
  - Cancer Division
  - Clinical Research Division
  - Clinical Trails Division
  - Health Disparities Division
  - Infectious Disease Division

- PRI –Divisions (continuation):
  - Mental Health Division
  - Neuroscience Division
  - Publication Division
  - Service Division
  - Training Division
- Education and Training
- Outreach Activities
- Clinical Activities
- Research Integrity / Compliance



# Background

## Office of Research Development

*Claris A. Vega, MBA - Director*

- Established in May 2015 composed of **nine staff members**
- Dedicated to the research administration areas of **pre-award, post-award, and contracts**.
- Since 2017, the team has grown to 13 members with a small turnover of staff (<10%).
- In 2018, PRI hired a senior grant writer that collaborates with ORD in pre-award.
- In the year 2020, the percent of grants awarded has a two-fold increase as compared to the year 2017 (21.9% vs. 10.9 %).





# Why did we change?

- Increase of awarded grants and contracts
- Increase of new faculty and staff
- Increase of grants and contract submission (*NIH, DOD, Foundation grants, etc..*)
- Increase collaborators, Consultants, Subawards, Subcontracts
- Increase of Annual Reporting to federal agency or other (*RPPR and FSR*)
- Changes in modern technology and electronical submissions
- Increased training for faculty and staff

## Key Indicators (2014 to 2022)



87% increase in funding  
(12M vs. 23M)



Scientific  
Articles

50 publication per  
year on average



Student  
Enrollment

802 enrollments per  
year on average



Employees

61% increase  
in employees  
(376 vs. 607)



Research  
Faculty

75% increase in faculty  
(102 vs. 179)



How did we  
go  
about this?





# What is strategic planning?

- It's an organizational management activity that is used to set priorities, focus energy and resources, strengthen operations, ensure that employees and other stakeholders are working toward common goals, establish agreement around intended outcomes/results, and assess and adjust the organization's direction in response to a changing environment.





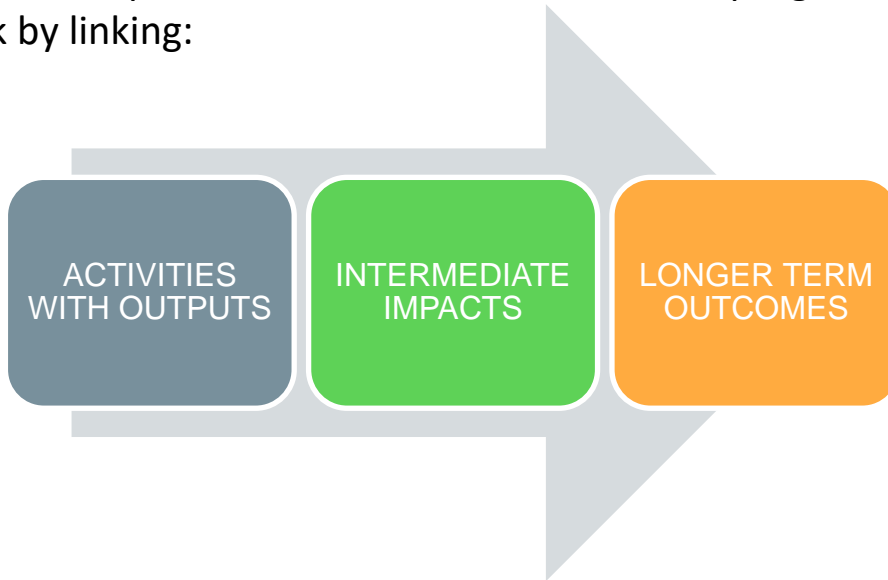
## **Objective 1:**

Explain how the logic model can be utilized in sponsored research administration and strategic planning.



# Program Logic Model

- A schematic representation that describes how a program is intended to work by linking:



- Program logic aims to show the intended causal links for a program.



# Program Logic Model: Benefits

## METHODOLOGICAL

Provides a systematic and integrated approach to program planning, implementation and evaluation.

## BIG PICTURE

Tells the story of how the program is proposed to work.

## PROBABLE CAUSES

Makes program assumptions explicit and enables testing of how these assumptions are supported by evidence.

## COLLABORATORS

Engaging stakeholders in program planning and evaluation, and clearly communicating with stakeholder audiences about program concepts.

## SHARED UNDERSTANDING

Agreements with key stakeholders can facilitate common language about the program and build a shared understanding of how it will work.

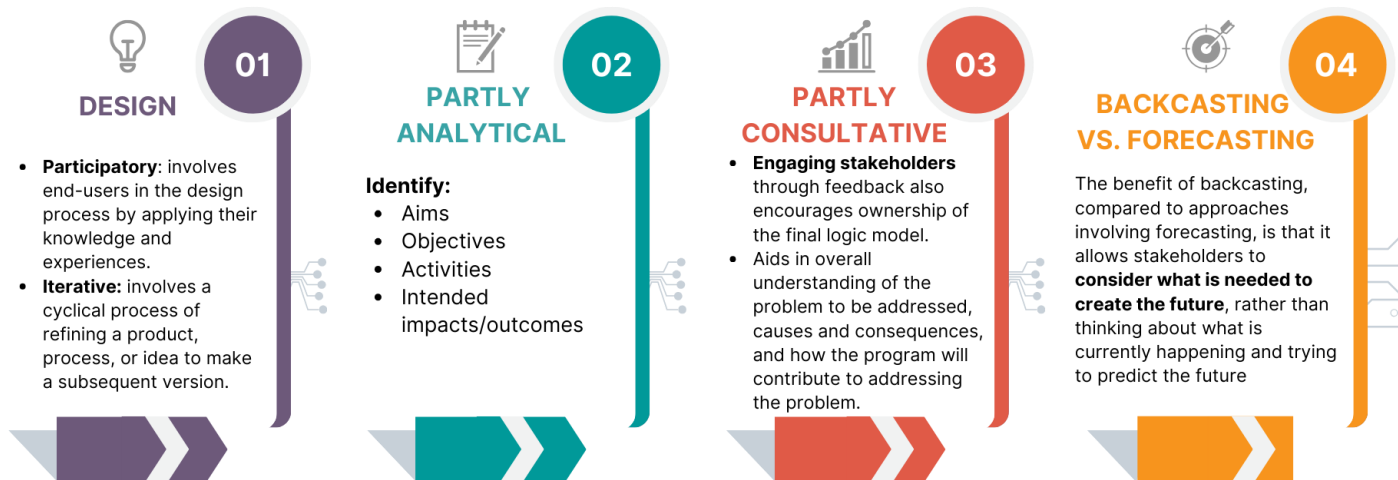
## EVALUATION

Provides a framework for evaluating a program by identifying areas where evaluation will be most important.

Source: Centre for Epidemiology and Evidence. (2017)



# Program Logic Model: Considerations



Source: Centre for Epidemiology and Evidence. (2017)



# Program Logic Model: Model Sequence or Pipeline

## #1 Inputs

- Resources
- e.g., staff, funding, partnerships)

## #2 Activities

Essential actions to deliver the outputs.

## #3 Outputs

Product or services needed to achieve impacts.

## #4 Impacts

Short-term  
Intermediate  
Long-term

## #5 Outcomes

The desired end result of a service, program or intervention.

**Context, assumptions, evaluation**



# Example: Training for new software X

## #1 Inputs

- New software
- Budget, trainers, time.

## #2 Activities

Coordination, training development for software X.

## #3 Outputs

Implementation of training program for software X.

## #4 Impacts

- **Short-term:** Staff knowledgeable in program X.
- **Intermediate:** Time use reduction in process Y.
- **Long-term:** Process tracking for data analysis.

## #5 Outcomes

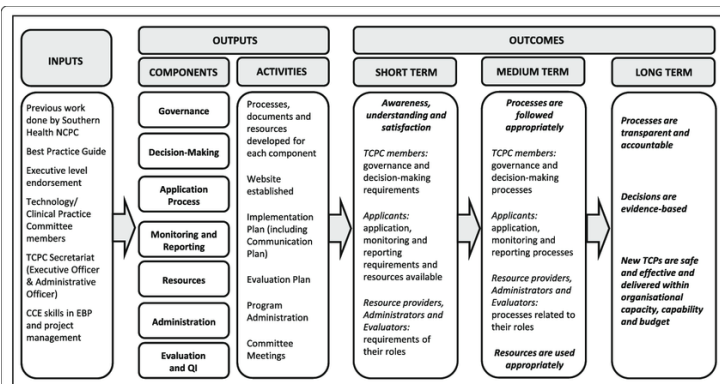
Efficiency in time use for process Y.



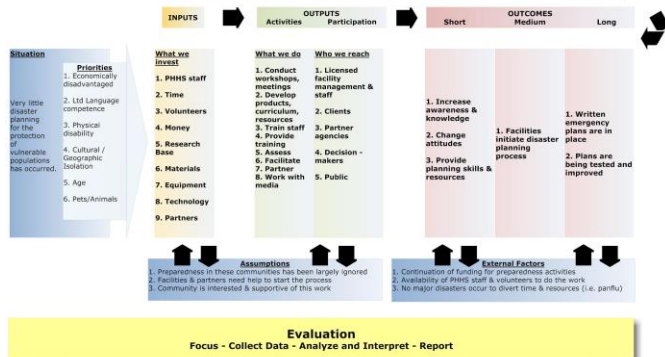
**Context, assumptions, evaluation**



# Examples of Program Logic Models



St. Louis County Public Health & Human Services CHAAP Improvement Plan  
Area of Public Health Responsibility - Public Health Preparedness

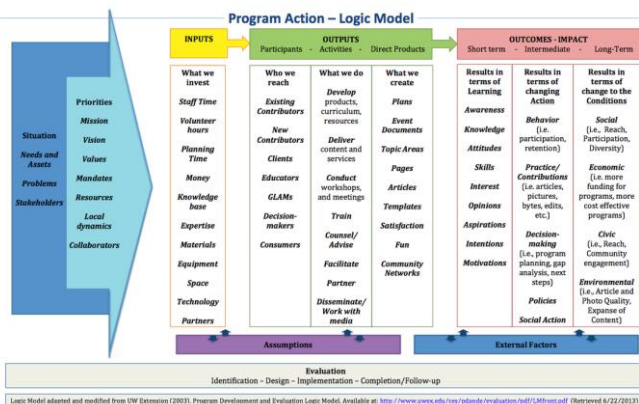


## Program Implementation Logic Model



### Assumptions:

As academia increasingly rewards interdisciplinary research, incoming faculty and graduate students are challenged to identify and navigate research support services available through various colleges and units on campus. Arts, humanities, and social science researchers, in particular, lack basic support for technology-based projects in terms of funding, access, and training. Space is needed to facilitate cross-disciplinary connections and to provide a more centralized resource for faculty and graduate research support.





# Program Logic Model: Limitations of Logic Models

## A logic model only represents reality; it is not reality.

- It is only as good as our understanding of the situation, the environment, the theory we are expressing, and our assumptions.
- Programs are rarely neat and orderly and the unexpected happens.
- Programs are not linear and rarely follow a sequential order.
- It does help articulate causal linkages, builds consensus, and identifies what and when to evaluate.

## A logic model focuses on expected outcomes.

- We need to pay attention to unintended or unexpected outcomes: positive, negative, or neutral.
- We should think about alternative pathways of change, alternative outcomes, and the unexpected.

## A logic model faces the challenge of causal attribution.

- A logic model depicts assumed causal connections, not direct cause-and-effect relationships. It does not “prove” that the program caused the effect.
- The program is likely to be just one of many factors influencing outcomes.
- Other factors that may affect observed outcomes should be considered.

## A logic model doesn't address the question: “Are we doing the right thing?”

- We need to consider whether what we are doing is the right thing separately from the logic model. Is what we are doing worth doing?



## **Objective 2:**

Describe the benefits of how a collaborative approach can support a successful strategic plan development and initiation process.



# Collaborative Strategy

- A **collaboration strategy** is a proper system through which an **organization structures the way a team will work**. It is basically the approach business takes toward teamwork.
- This includes concrete guidelines which dictate aspects like the interaction between team members, **regular feedback, building fraternity, and ensuring a smooth workflow**.

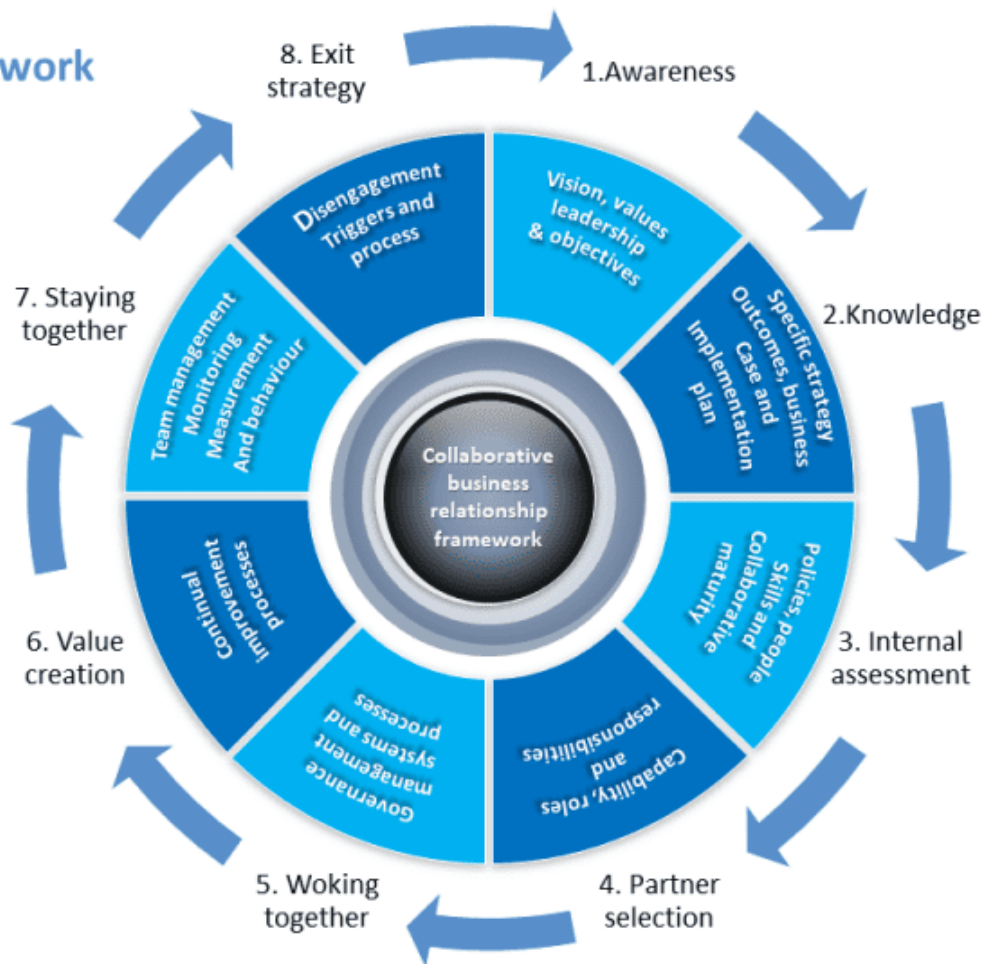




# Collaboration Framework

## ISO 44001 Operation

### 8 Stages





# Benefits of a Collaborative Approach



## Engagement & Retention

- Increase Engagement
- United and aligned
- Talent retention
- Improve culture and sense of community



## Learning, Development & Innovation

- Stronger Learning and development
- Improves problem solving
- Increased Creativity
- Aids Synergy



## Productivity & Efficiency

- Increased:
- Commitment
  - Productivity
  - Efficient processes
  - Accountability
  - Enhanced business agility
  - Risk Mitigation



## Communication & Relationships

- Enhanced communication
- Improved customer relationships
- Brings diverse perspectives
- Supports rich data
- Favors learning and innovation



# Strategies for Development and Implementation

Is collaboration part of your institutional or office culture?

Yes!

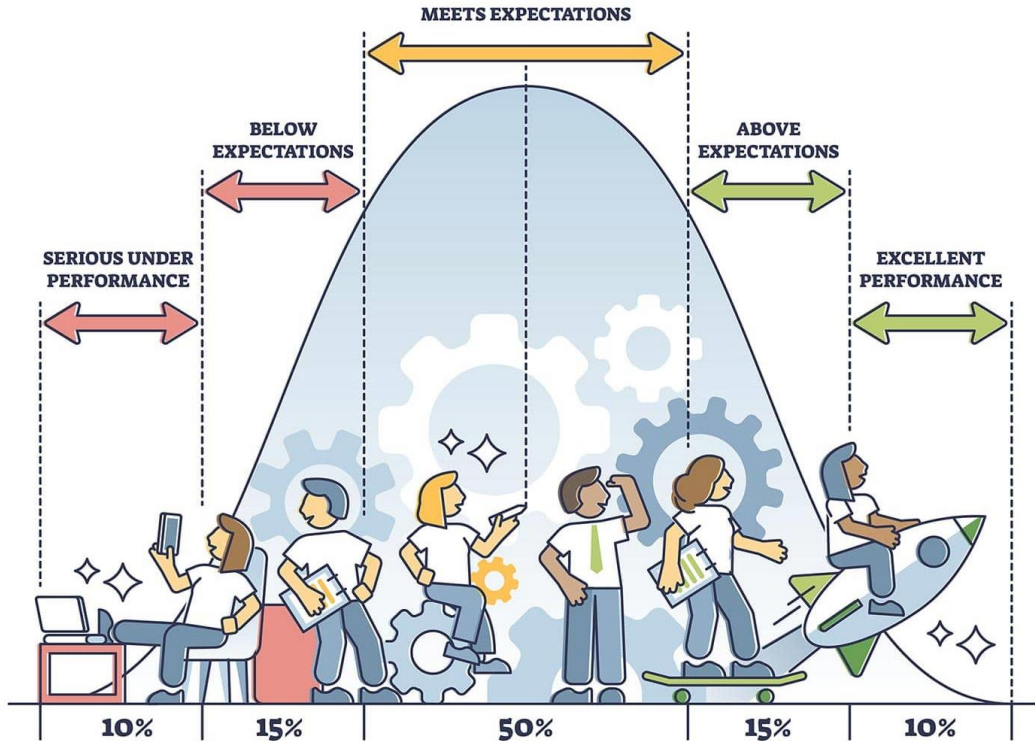
No



Somewhat



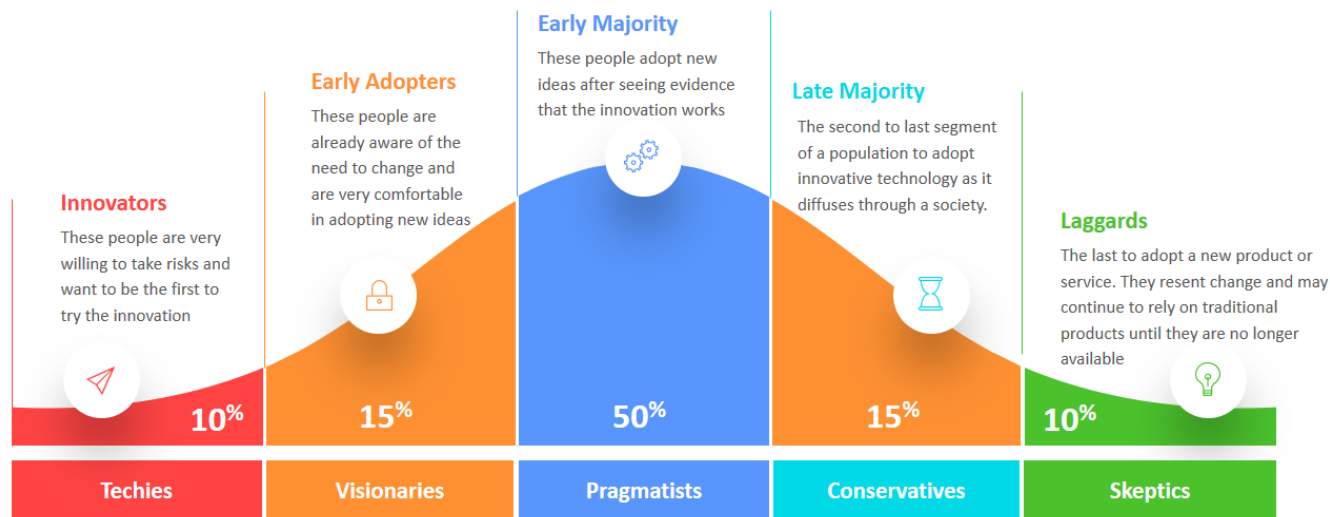
# BELL CURVE



Source: Mcleod, S (2023). Simply Psychology – Statistics | Introduction to the Normal Distribution (Bell Curve). Retrieved at [simplypsychology.org](https://simplypsychology.org)



# DIFFUSION OF INNOVATION MODEL



POWERSLIDES

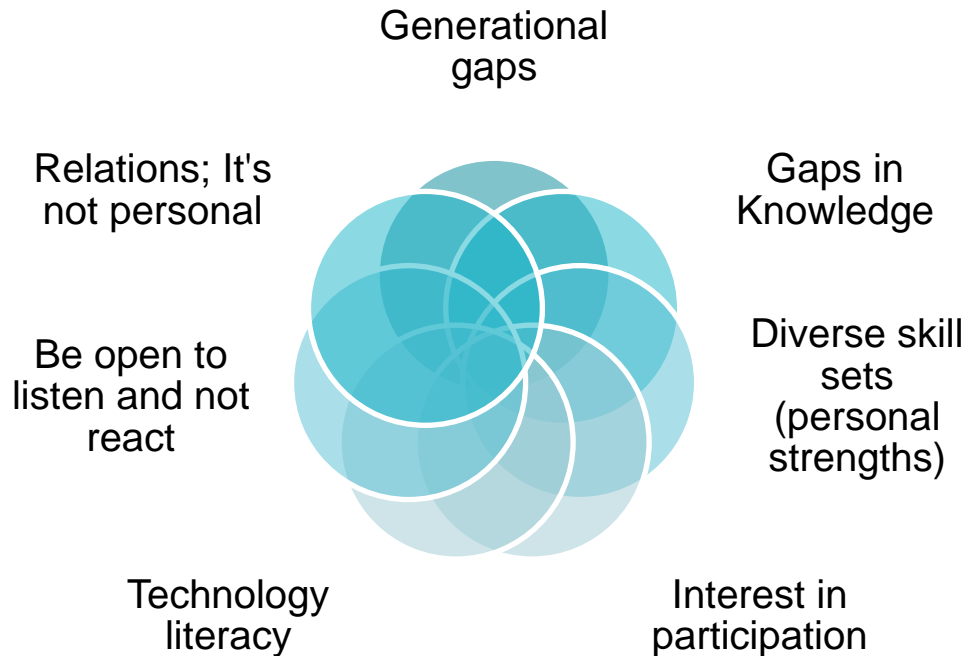
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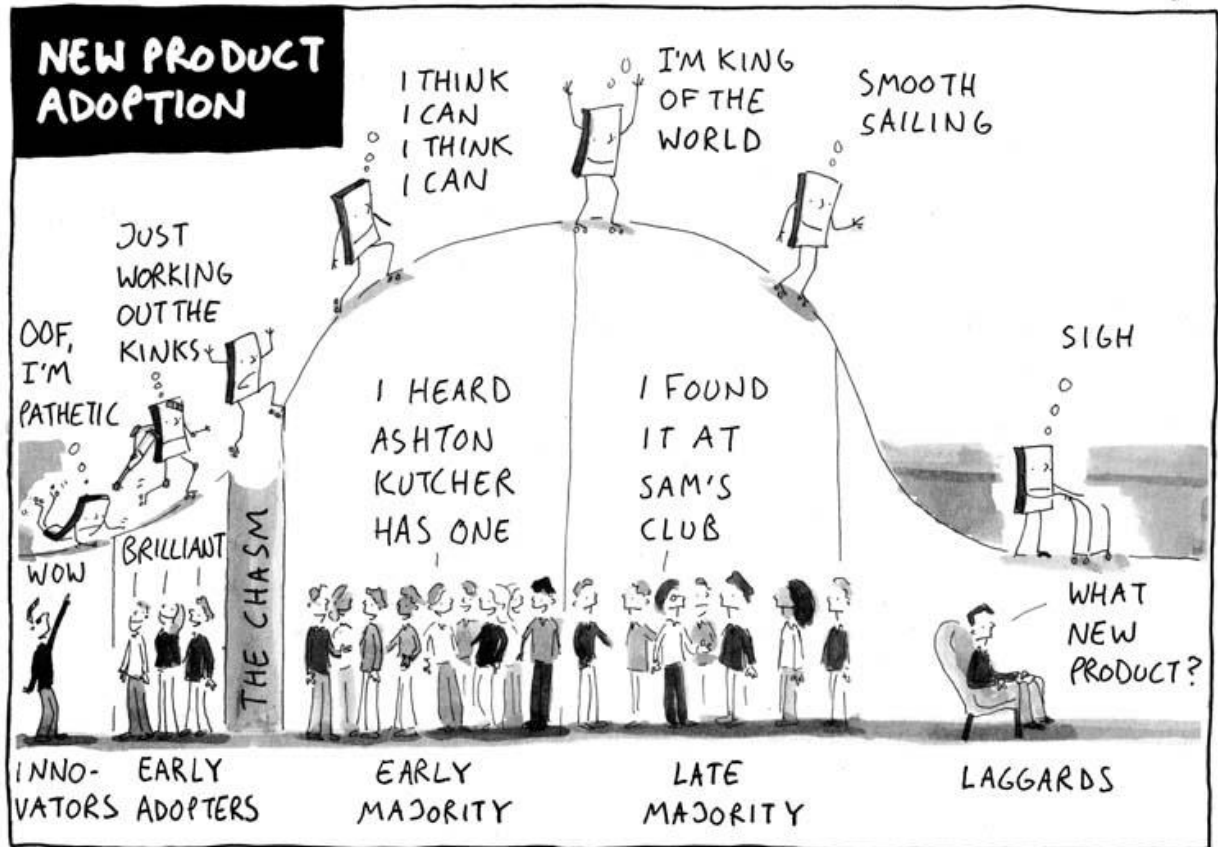
Simon Sinek  
#ExecTok



# Considerations in Implementation





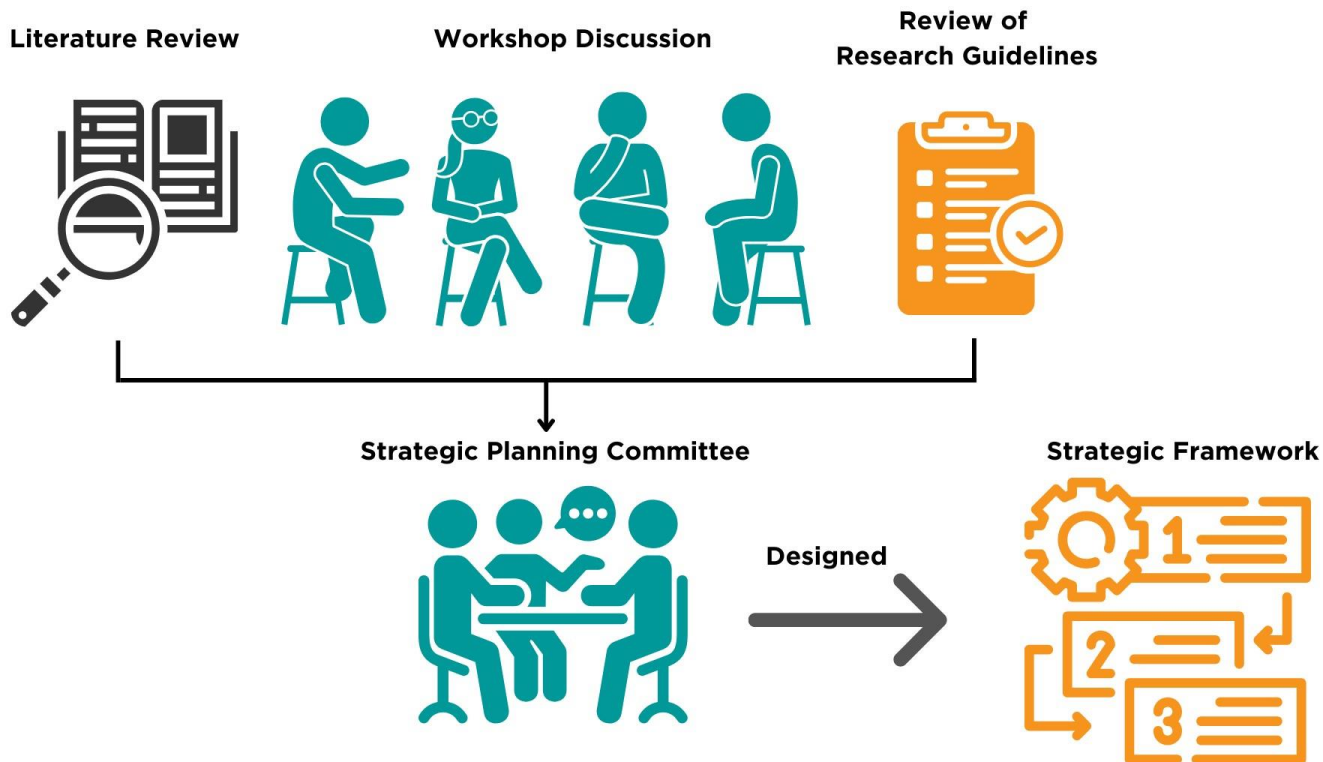


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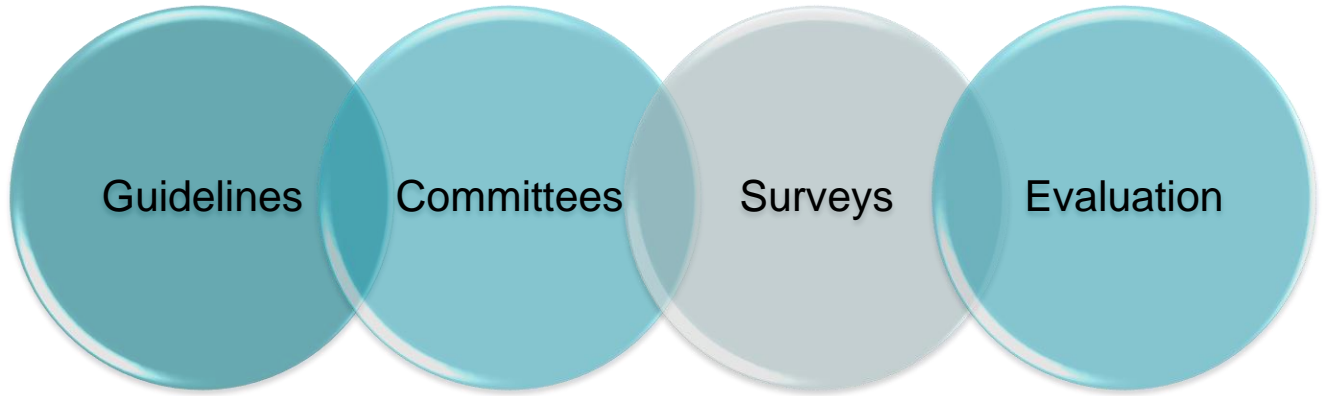


# How we started



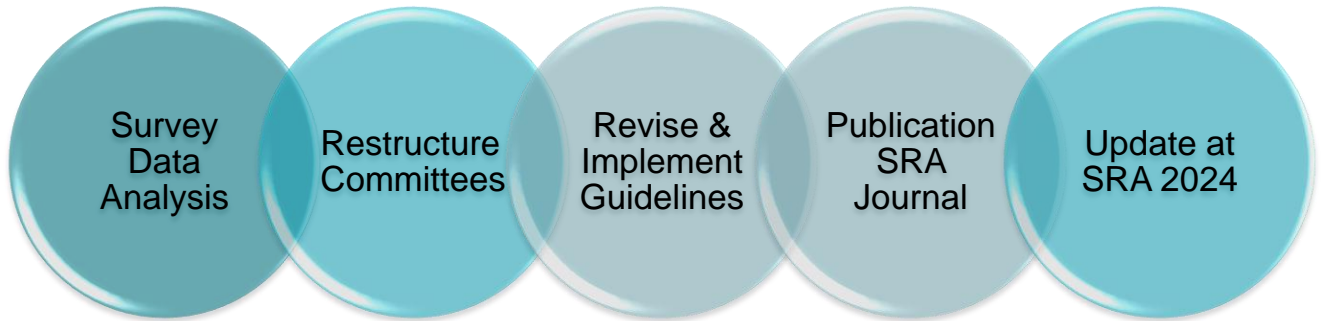


# Current Steps





# Future Directions

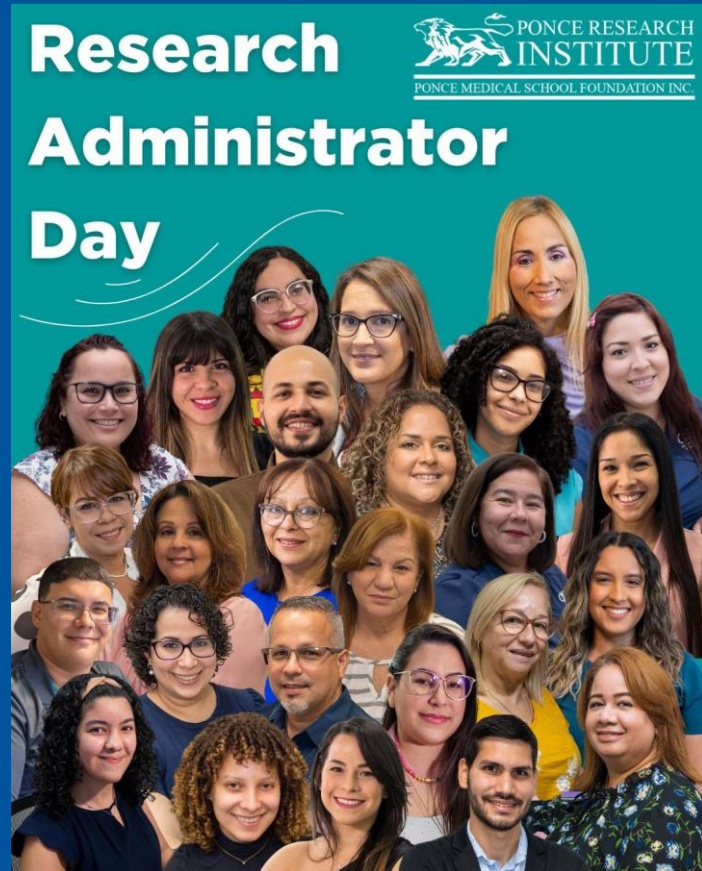




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Questions?  
Comments?

Feel free to contact us!  
Thank you!

## Research



## Administrator Day





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