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Design + Nursing + Business

Solving Healthcare Problems from the Grassroots

UNIVERSITY OF Cincinnati

livewell

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DESIGN **C** NURSING

Design + Nursing + Business

American Public Health Association October 2012 Annual Meeting Undergraduate Public Health Education Panel Roberta Lee, RN, MSN, MPH Steven Doehler, BFA, MA Bhavik Joshi, BE, MBA, MS

why? **Design + Nursing:**

What's the connection?

Being "practice" disciplines, Nursing and Design are natural collaborators

Similar goals:

Nursing is focused on helping people maximize their function and wellbeing **Ultimate goal - helping people live their best lives**.

Design is focused on creating products and services that make living better **ultimate goal - making lives better. DESIGN CONTRACTOR**

Who makes it work



DAAP

• Steven Doehler: Asst. Professor Industrial Design



College of Nursing

- Evelyn Fitzwater: Asst. Professor Industrial Design
- Robin Lee:
- Charles Puchta
- Bonnie J. Brehm, PhD, RD, LD
- Yin Xu, PhD, RN

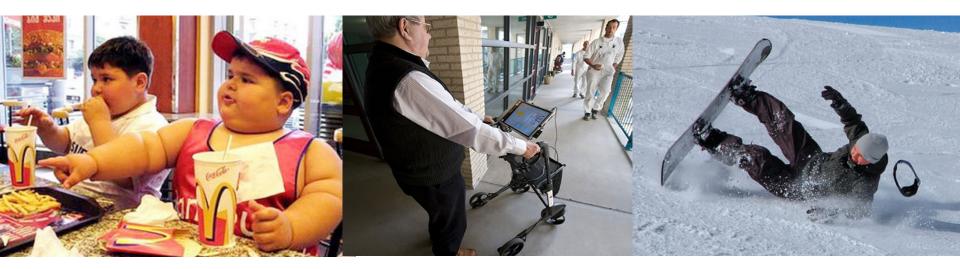


How a topic is selected





How a topic is selected



We start in the College of Nursing

Where do the ideas come from?

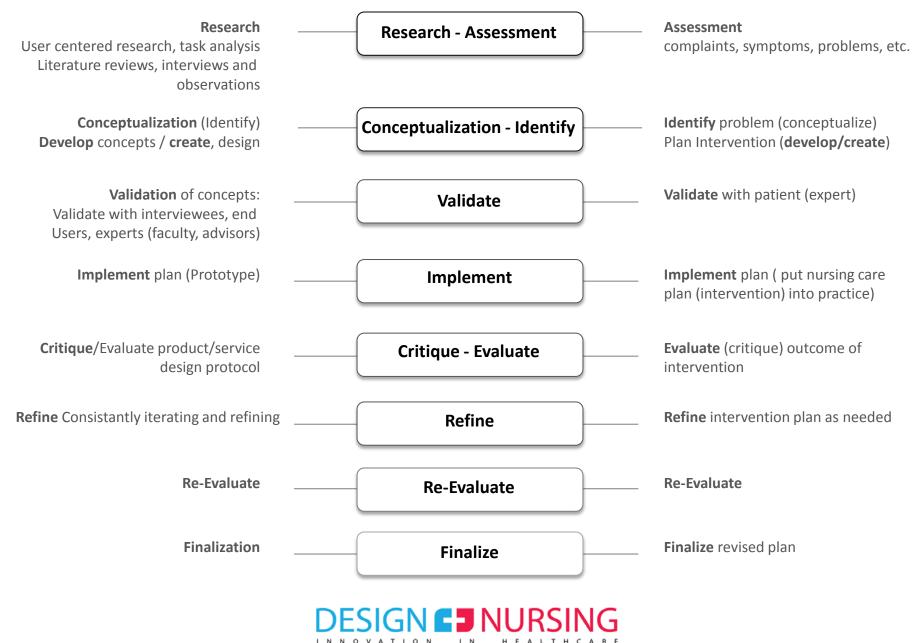
Pre-Course Development



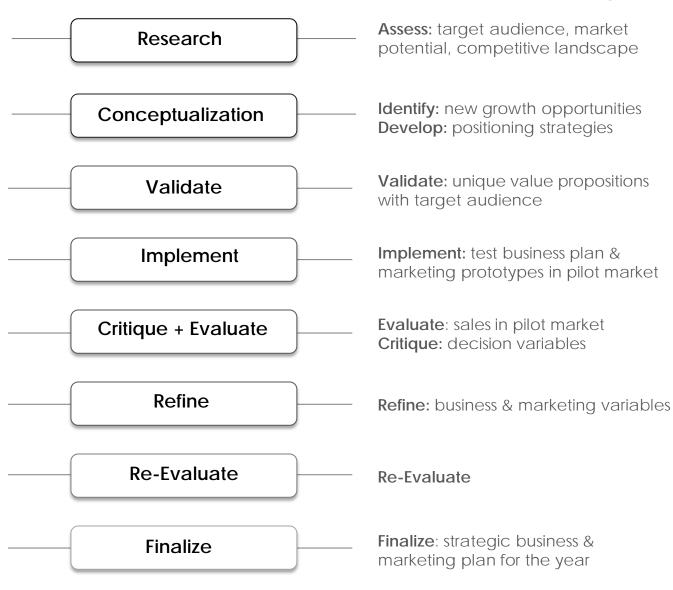
Design

Common Processes

Nursing



Business + Marketing



common processes

Research-Role Play













Research-Results



safe after sixty

SITUATIONAL PROFILES



THE SELF-NEGLECTED

Self-neglect occurs when older adults are unwilling or unable to care for themselves due to mental confusion or physical inability. This person may not have anyone involved in assisting them with managing daily and life routines, and therefore, is in a state of extreme vulnerability.

E.C.O



high-risk

THE CO-DEPENDENT THE SERVICE RELIANT

Becoming reliant upon Co-dependency, on a family professional care services, health member or caregiver, occurs when an older adult reaches a organizations, and financial state where they can no longer advisors is another form of manage their personal life and co-dependence in the manageseeks assistance. This then puts ment of an older adult's personal the person in a situation for polife. However, within this situation, tential psychological abuse and the person is in a highly safefinancial exploitation, creating guarded, protective and low-risk a level of high vulnerability and state of exploitation and abuse.



THE INDEPENDENT

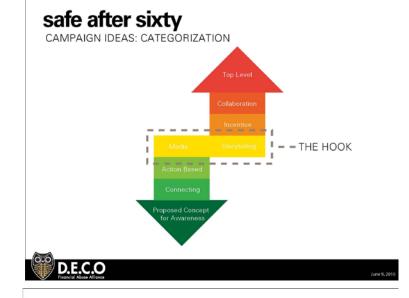
The independent older adult is currently in a state where they are in control of managing their personal life routines and finances. They are not vulnerable however. are closely reaching the next stage of their life and the challenges it will bring, making them a viable stakeholder in an awareness campaign.

INNOVATION

June 9, 20

DESIGN **C** NURSING

IN



safe after sixty

RIPPLE EFFECT

HEALTHCARE



Business Results

To understand the entire process of new product development (from research to prototype), specifically the role of business & marketing in:

- Market & competition analysis
- Benchmarking
- Opportunity identification
- Qualitative research
- Positioning
- Validation

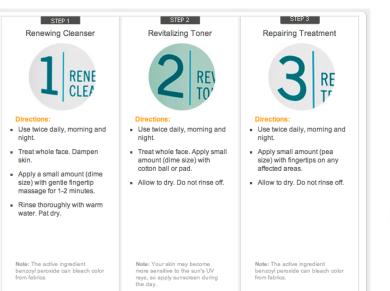
Business



How to Use

CONSISTENCY IS KEY™

Use these helpful instructional tools to get started on a simple 3-step process to clear skin. To get the best results use twice daily.





C SERIES





Business: research-product benchmarking













Business: research- in-store benchmarking

Community Health as a Partner

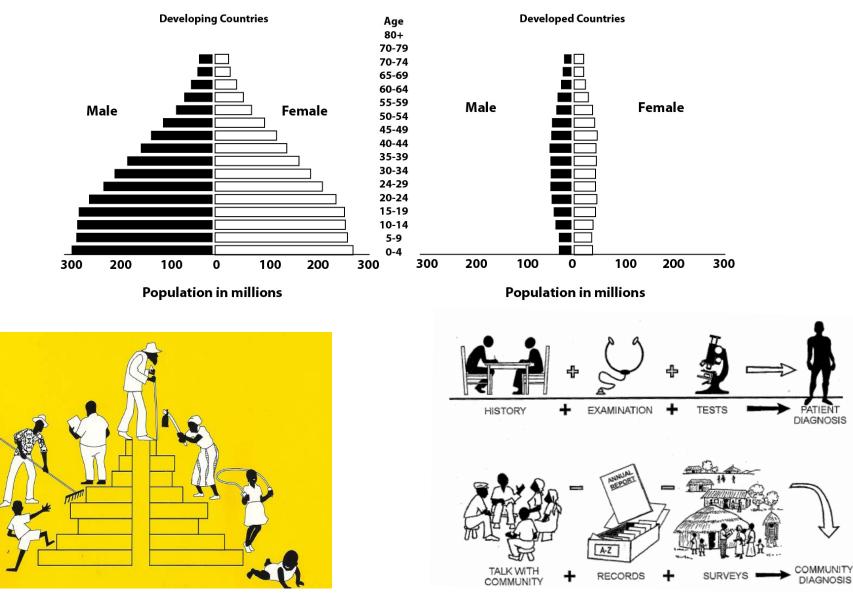
The community health nurse partners with **individuals, families, and groups** with the goal of enhancing the health and well-being of populations and aggregates.



Population groups | Sub-populations | Individuals | Families



Community Health as a Partner



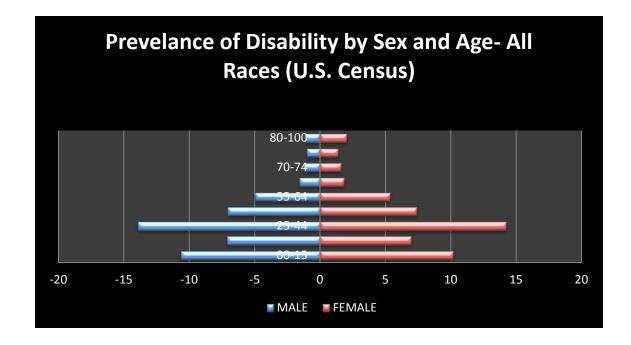


Community Health as a Partner

Mobility Design Project

291,098 disabled people (U.S. Census)

- 142,405 Men
- 148,693 Women
- 82,069 are ages 25-44





Conceptualization results

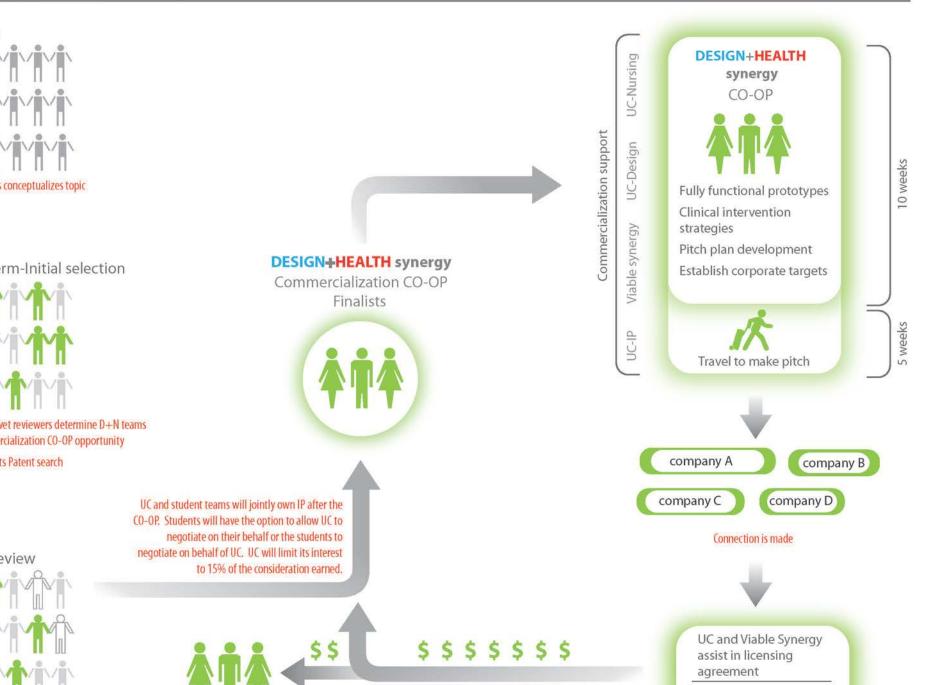




Final Results







Key Take Aways

TRANSFORMING HEALTHCARE: ASSISTIVE MOBILITY DEVICES

Students and Faculty and program enhancements:

Mutual faculty learning

Idea generation for faculty, graduate and undergraduate research

T2 Translational Research

Both programs are enriched

Design student quote:

"Crossing 2 worlds not only helped me as a designer to work with non-designers and I think it helps the nurses as well" Nurse student quote: "Really learned community health through this collaborative."





The Future: 2+2=5

Commercialization

Social Marketing

Use commercial marketing techniques to Persuade people to change their behavior to improve their own lives



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"The only interruption to my Learning was my education" Albert Einstein

Thank You!







