Using the Artinian Intersystem Model (AIM) of Professional Nursing
to Guide Community Assessment and Wellness Promotion in an Undergraduate Public Health Nursing Course

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**APHA – Prevention & Wellness Across the Life Span
October 31, 2012**

Presenter Disclosures

Katharine S West

The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

Royalties from a commercial entity: Springer Publishing
Co-Author of *The Artinian Intersystem Model*
Integrating Theory and Practice for the Professional Nurse, Second Edition
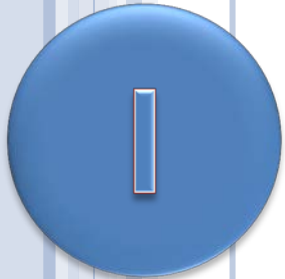
OBJECTIVE

Describe the Artinian Intersystem Model as a new tool for the public health nurse for guiding delivery of care to the community-as-client.

OVERVIEW

I. The Artinian Intersystem Model (AIM)

II. Using the AIM Community Care Plan template

III. Using the AIM: Student vignettes

ARTINIAN INTERSYSTEM MODEL

Advantages of using AIM in Public Health Nursing Practice

- Process-oriented

- Content-free

- Use in any health care setting with any client

- Focuses on interplay of various systems

- Participation of community client in shared decision-making process

AIM

Artinian Intersystem Model
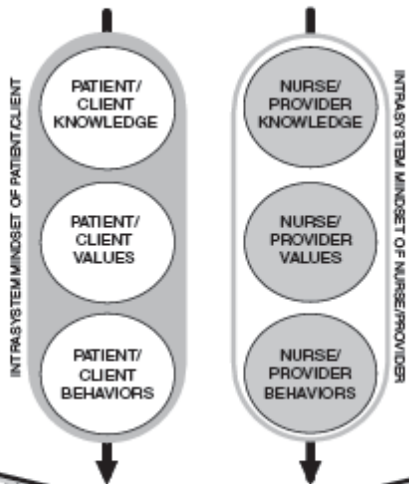
DEVELOPMENTAL ENVIRONMENT

Intrasystem Data Collection to Identify Main Concern

- Describe focus of interaction
- Access Organizational Memory
- Assess Patient/Client Subsystems

Biological
Psychosocial
Spiritual

Prior to Intersystem Interaction

Tentative Identification of Main Concern

Assess Intrasystem Functions
Data Collection related to Main Concern

INTRASYSTEM MINDSET OF PATIENT/CLIENT

- PATIENT/ CLIENT KNOWLEDGE
- PATIENT/ CLIENT VALUES
- PATIENT/ CLIENT BEHAVIORS

INTRASYSTEM MINDSET OF NURSE/PROVIDER

- NURSE/ PROVIDER KNOWLEDGE
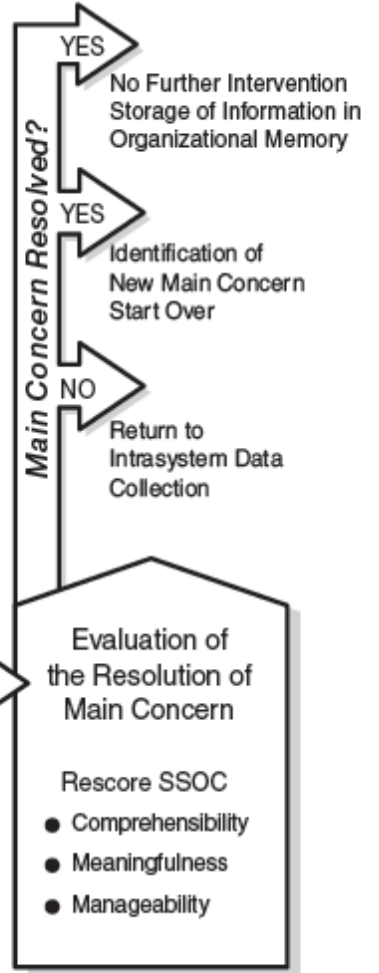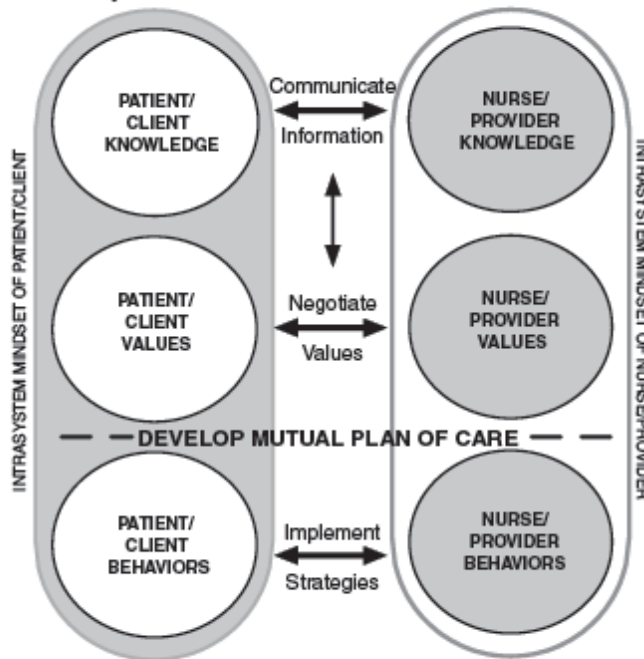- NURSE/ PROVIDER VALUES
- NURSE/ PROVIDER BEHAVIORS

Validation of Main Concern
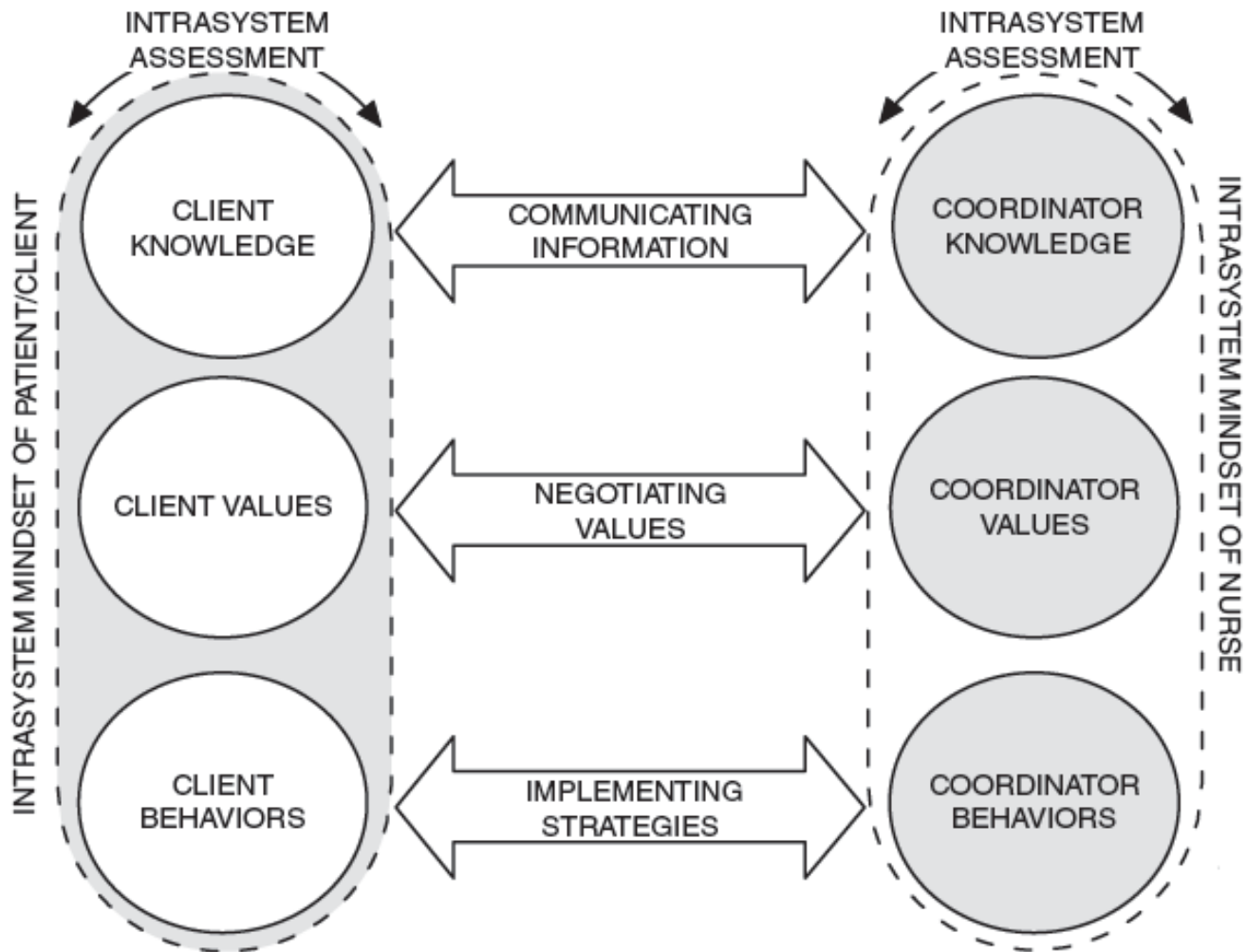
SITUATIONAL ENVIRONMENT

Analysis of Intrasystem Information by Nurse

- Identify stressors
- Identify coping resources of patient
- Score Situational Sense of Coherence (SSOC)
- State nursing diagnosis/es
- Identify goals to increase SSOC
- Assess ability of patient & nurse to resolve Main Concern together

Intersystem Interaction to Resolve Main Concern

INTRASYSTEM MINDSET OF PATIENT/CLIENT

- PATIENT/ CLIENT KNOWLEDGE — Communicate Information — NURSE/ PROVIDER KNOWLEDGE
- PATIENT/ CLIENT VALUES — Negotiate Values — NURSE/ PROVIDER VALUES
- PATIENT/ CLIENT BEHAVIORS — Implement Strategies — NURSE/ PROVIDER BEHAVIORS

— DEVELOP MUTUAL PLAN OF CARE —

INTRASYSTEM MINDSET OF NURSE/PROVIDER

Main Concern Resolved?

YES
No Further Intervention Storage of Information in Organizational Memory

YES
Identification of New Main Concern Start Over

NO
Return to Intrasystem Data Collection

Evaluation of the Resolution of Main Concern

Rescore SSOC
- Comprehensibility
- Meaningfulness
- Manageability

Intersystem Interaction

USING THE AIM:
THE COMMUNITY
CARE PLAN TEMPLATE

POPULATION-FOCUSED PLAN OF CARE

DEVELOPMENTAL ENVIRONMENT[1]

COLLECTION OF INTRASYSTEM DATA TO IDENTIFY MAIN CONCERN
Describe Focus of Interaction
Assess Community Memory

Assess National Memory
 	
    HP2020[2] Focus Area
 	
    HP2020 Indicator
 	
    HP2020 Objective

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[1] See Figure 1.8
[2] Healthy People 2020 – http://www.healthypeople.gov

AIM

Assess Community Subsystems	
Physical/Biological Subsystem (Geography, Transportation, Health Agencies, Community Resources)	
Psychosocial Subsystem (Cultural Networks, Social Resources)	
Values/Spiritual Subsystem (Mission Statements, Beliefs and Values, Religious Groups)	
Tentative Identification of Main Concern of Community	
ASSESSMENT OF INTRASYSTEM FUNCTIONS RELATED TO MAIN CONCERN	
Intrasystem Data Collection About the Community	**Intrasystem Data Collection About the Nurse**

Knowledge
  What does the community know about the Main Concern?
	Knowledge
	  What do I know about the Main Concern?

Attitudes and Values
  What are the community's attitudes and values about the Main Concern?
	Attitudes and Values
	  What are my attitudes and values about the Main Concern?

Behaviors
  What skills or resources does the community have to deal with the Main Concern?
	Behaviors
	  What skills or resources do I have to deal with the Main Concern?

Validation of Main Concern of Community or Public Health Nurse	

AIM

SITUATIONAL ENVIRONMENT

ANALYSIS OF INTRASYSTEM INFORMATION		
Identify Stressors in the Community		
Identify Coping Resources Available in the Community		
Score Community on Situational Sense of Coherence (SSOC) (high = 3, medium = 2, or low = 1)	SCORE	
Comprehensibility: In relation to what the community needs to know about the Main Concern, how much is known?		
Meaningfulness: In relation to motivation, how much effort is the community willing to put into resolving the Main Concern?		
Manageability: In relation to resources, what is available to the community to manage the Main Concern?		

State Community Nursing Diagnosis (At Risk of _____, Among _____, Related to_____)
Identify Goals to Increase SSOC
Assess Ability of Community and Public Health Nurse to Work Together to Resolve Main Concern
INTERSYSTEM INTERACTION TO RESOLVE MAIN CONCERN
Communicate Information
Negotiate Values
Develop Mutual Plan of Care
Develop Joint Goals
Develop Joint Objectives
Develop Implementation Strategies
Implement Strategies

AIM

EVALUATION OF THE RESOLUTION OF MAIN CONCERN
Interim evaluations of the community's progress may be needed.

Re-Score Community/Client on SSOC
(high = 3, medium = 2, or low = 1)

	SCORE	
Comprehensibility: In relation to what the community needed to know about the Main Concern, how much was learned?		I did this: Because: It was/wasn't effective (circle one).
Meaningfulness: In relation to motivation, how much effort did the community put into resolving the Main Concern?		I did this: Because: It was/wasn't effective (circle one).
Manageability: In relation to resources, what was available to the community to manage the Main Concern?		I did this: Because: It was/wasn't effective (circle one).

AIM

DATING SAFETY EDUCATION FOR A CATHOLIC YOUTH GROUP
ABIGAIL EVANGELISTA, BSN, RN

Negotiating Values with a community client and adapting the educational objectives of the nurse to match those of the client.

Main concern: Sex and sex safety

AIM

Advocacy for Food Security:
The WIC Program in a Farmer's Market
Katerina Perez, BSN, RN

Use of the AIM in facilitating the PHN Core Competency of Advocacy

Main concern: Access to fresh produce – a unilateral community nurse goal

AIM

MANAGEMENT OF HYPERTENSION FOR CHINESE SENIORS
MICHELLE SONG-HOWE, BSN, RN

Use of the AIM for Communicating Information with an ethnic population group

Main concern: Hypertension management

AIM

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Thank You!

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ARTINIAN INTERSYSTEM MODEL COMMUNITY HEALTH CARE PLAN
FOR RESOLUTION OF THE MAIN CONCERN

DEVELOPMENTAL ENVIRONMENT[1]

COLLECTION OF INTRASYSTEM DATA TO IDENTIFY MAIN CONCERN
Describe Focus of Interaction
Assess Community Memory

Assess National Memory
 	
    HP2020[2] Focus Area
 	
    HP2020 Indicator
 	
    HP2020 Objective

ASSESS COMMUNITY SUBSYSTEMS
Physical/Biological Subsystem (Geography, Transportation, Health Agencies, Community Resources):

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[1] See Figure 1.8

[2] Healthy People 2020 – http://www.healthypeople.gov

ARTINIAN INTERSYSTEM MODEL COMMUNITY HEALTH CARE PLAN
FOR RESOLUTION OF THE MAIN CONCERN

Psychosocial Subsystem (Cultural Networks, Social Resources):	
Values/Spiritual Subsystem (Mission Statements, Beliefs and Values, Religious Groups):	
Tentative Identification of Main Concern of Community:	

ASSESSMENT OT INTRASYSTEM FUNCTIONS RELATED TO MAIN CONCERN	
Intrasystem Data Collection **About the Community**	**Intrasystem Data Collection** **About the Nurse**

Knowledge
    What does the community know about the Main Concern?
	Knowledge
	    What do I know about the Main Concern?

Attitudes and Values
    What are the community's attitudes and values about the Main Concern?
	Attitudes and Values
	    What are my attitudes and values about the Main Concern?

Behaviors
    What skills or resources does the community have to deal with the Main Concern?
	Behaviors
	    What skills or resources do I have to deal with the Main Concern?

ARTINIAN INTERSYSTEM MODEL COMMUNITY HEALTH CARE PLAN
FOR RESOLUTION OF THE MAIN CONCERN

Validation of Main Concern of Community or Public Health Nurse

SITUATIONAL ENVIRONMENT

ANALYSIS OF INTRASYSTEM INFORMATION

Identify Stressors in the Community
Identify Coping Resources available in the Community

SCORE COMMUNITY ON SITUATIONAL SENSE OF COHERENCE (SSOC) (HIGH=3, MEDIUM=2, OR LOW=1)

Comprehensibility In relation to what the community needs to know about the Main Concern, how much is known?	
Meaningfulness: In relation to motivation, how much effort is the community willing to put into resolving the Main Concern?	

ARTINIAN INTERSYSTEM MODEL COMMUNITY HEALTH CARE PLAN
FOR RESOLUTION OF THE MAIN CONCERN

Manageability: In relation to resources, what is available to the community to manage the Main Concern?	
State Community Nursing Diagnosis (At Risk of _____ Among _____ Related to_____):	
Identify Goals to Increase SSOC	
Assess ability of Community and Public Health Nurse to Work Together to Resolve Main Concern	

INTERSYSTEM INTERACTION TO RESOLVE MAIN CONCERN

Communicate Information
Negotiate Values
Develop Mutual Plan of Care
Develop joint goals
Develop joint objectives

ARTINIAN INTERSYSTEM MODEL COMMUNITY HEALTH CARE PLAN
FOR RESOLUTION OF THE MAIN CONCERN

Develop implementation strategies
Implement Strategies

EVALUATION OF THE RESOLUTION OF MAIN CONCERN
Interim evaluations of the community's progress may be needed.

RE-SCORE COMMUNITY ON SSOC (HIGH=3, MEDIUM=2, OR LOW=1)		
Comprehensibility: In relation to what the community needed to know about the Main Concern, how much was learned?		I did this: Because: It was/wasn't effective (circle one).
Meaningfulness: In relation to motivation, how much effort did the community put into resolving the Main Concern?		I did this: Because: It was/wasn't effective (circle one).

ARTINIAN INTERSYSTEM MODEL COMMUNITY HEALTH CARE PLAN
FOR RESOLUTION OF THE MAIN CONCERN

Manageability: In relation to resources, what was available to the community to manage the Main Concern?		I did this: Because: It was/wasn't effective (circle one).

Source: Developed by K.S.West (2011).

AIM Narrative Template

DEVELOPMENTAL ENVIRONMENT[1]

1. COLLECTION OF INTRASYSTEM DATA TO IDENTIFY MAIN CONCERN

1.1. Describe Focus of Interaction

1.2. Access Organizational Memory

1.3. Assess Patient/Client Subsystems

1.3.1. Biological Subsystem

1.3.2. Psychosocial Subsystem

1.3.3. Spiritual Subsystem

1.4. Tentative Identification Of Main Concern Of Patient Or Provider

2. ASSESSMENT OF INTRASYSTEM FUNCTIONS RELATED TO MAIN CONCERN

2.1. Intrasystem Data Collection About Patient/Client Related to Main Concern

2.1.1. Knowledge

2.1.2. Values

2.1.3. Behaviors

2.2. Intrasystem Information About Nurse/Provider Related to Main Concern

2.2.1. Knowledge

2.2.2. Values

2.2.3. Behaviors

2.3. Validation of Main Concern of Patient/Client or Nurse/Provider

SITUATIONAL ENVIRONMENT

3. ANALYSIS OF INTRASYSTEM INFORMATION BY NURSE

3.1. Identify Stressors of Patient

3.2. Identify Coping Resources of Patient

3.3. Score Patient on Situational Sense of Coherence (SSOC) - (high=3, medium=2, or low=1)

3.3.1. Comprehensibility

3.3.2. Meaningfulness

3.3.3. Manageability

3.4. State Nursing Diagnosis/es

3.5. Identify Goals to Increase SSOC

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[1] See Figure 1.8

AIM Narrative Template

3.6. Assess Ability of Patient and Nurse to Work Together to Resolve Main Concern

4. INTERSYSTEM INTERACTION TO RESOLVE MAIN CONCERN

4.1. Communicate Information

4.2. Negotiate Values

4.3. Develop Mutual Plan of Care

    4.3.1. Develop Joint Goals

    4.3.2. Develop Joint Objectives

    4.3.3. Develop Implementation Strategies

4.4. Implement Strategies

5. EVALUATION OF RESOLUTION OF MAIN CONCERN

5.1. Re-score Patient on SSOC - (high=3, medium=2, or low=1)

    5.1.1. Comprehensibility

    5.1.2. Meaningfulness

    5.1.3. Manageability

5.2. Assess Effectiveness of Implementation Strategies

    5.2.1. Identify Strengths and Weaknesses of Implementation by Nurse

5.3. Reassess Need for Further Interaction (*Select one of the following three options*)

    5.3.1. Main Concern is Not Resolved

        Return to Intrasystem Data Collection and Care Plan Process

    5.3.2. Main Concern is Resolved

        Identification of New Main Concern. Start Over.

    5.3.3. Main Concern is Resolved

        No Further Intervention. Storage of Information in Organizational Memory