NUR 911
Health Status Outcomes for Community-Based Primary Care
Draft 08/15/01

Instructors:
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Course Description (3 credits; 3-0):
This course focuses on the measurement of health status and health outcomes for populations across the life span within community based primary care systems. The continuum of care will be the organizing perspective. Factors such as practice patterns social determination and structure that may impact outcomes from a systems process of care and patterns of practice as well as population perspective will be discussed. Measurement and evaluation issues related to health status and health outcomes from a health care system perspective will be explored.

Course Objectives:

I. To examine how determinants outside the system effect the structure and process of care.
II. To examine the long and short term measurement of health status and well-being outcomes for aggregates as compared to individuals.
III. To explore how patterns of care (process of care) within the health care system can influence health status and health outcomes, equality and cost of care.
IV. To analyze how individual and aggregate data can be used within the community based primary care system (health care system to examine outcomes.
V. To consider how systems of care can use health status and well-being outcomes to determine quality of care.
VI. To examine the cost of care as an outcome measure.
VII. To examine current aggregate measures used in primary health care system to assess aggregate outcomes.
## Course Calendar:

*This course meets on Tuesday from 0900-1150 in A131 Life Sciences*

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>I</td>
<td>8/28</td>
<td>Health Status/Health Outcomes from the community-based care continuum perspective (review models) – Patrick Model.</td>
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<tr>
<td>II</td>
<td>9/4</td>
<td>Concept of the care continuum and outcomes to be examined over time in a community-based care system.</td>
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| III  | 9/11 | Determinants outside the system  
- Culture  
- Family and Ecological  
- Politics and Policies  
- Economic System  
- Physical Environment  
- Genetics, Personal and Social Environment  
- **Mini paper due** |
| IV & V | 9/18 & 9/25 | System level components  
- Resources  
- Organizational Arrangements  
- Providers and provider networks  
- Benefit Package  
- Referral System  
- Ethics  
- Care System (HMO vs. Fee-for-service utilization)  
- **Mini paper due** |
| VI   | 10/2 | Cost of care outcomes. (Guest Lecturer: Cathy Bradley, PhD, Assistant Professor, College of Human Medicine, Department of Medicine. B220 Life Sciences Bldg, 432-3405) |
| VII  | 10/9 | No class  
- **Mini paper due** |
| VIII | 10/16 | Context of Health Care Access  
Factors involved:  
- Availability  
- Accessibility  
- Affordability  
- Acceptability use of service  
- Measurement issues |
| IX   | 10/23 | Health Care Quality and Effectiveness.  
- Systems of Care  
- Examine HMO or managed care vs. fee for service.  
- Examine concepts such as quality, performance, effectiveness, practice patterns.  
- Performance indicators  
- Measurement issues  
- **Mini paper due** |
| X    | 10/30 | System level community-based care continuum outcomes  
- Patterns of care  
- Standards of care and guidelines  
- Practice variation |
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| XI | 11/6 | Individual health-related quality-of-life outcomes as community-based care continuum outcomes
   | Utilization | QOL/Function/satisfaction
   |   | Wellness: Self-care/prevention behaviors
   |   | Social health
   |   | Survival disability
   |   | Equality of access
   |   | Measurement issues of system level vs. individual outcomes
   |   | Mini paper due |
| XII | 11/13 | Integrating the multiple health-related quality-of-life components into cohesive care continuum research trajectory for selected outcome – do you use them? |
| XIII | 11/20 | Care continuum outcomes influencing quality of clinical decisions— evidence based (Crossing the quality chasm) |
| XIV | 11/27 | Care Continuum ------ outcomes influencing policy (performance measures and guidelines) and regulations (To Err Is Human).
   |   | Major paper due |

(This course assumes organization/system/provider level models in relation to primary care (e.g. Johnson, Maas, & Moorhead, 2000; Patrick, 1997) have been discussed in NUR 901 and some basic content, e.g., sensitivity, specificity, have been covered in NUR 910. Students wishing to take this course without NUR 901 or NUR 910 may need to do some selected independent reading.)
Preparation for Class

Each Class: Consider outcomes from population-based vs. patient level vs. provider and overall health system perspective. How do they differ at each level? What is the relationship between structure, process, and outcome at each level? (Focus on individual interest area.)

Week I: Review the health-related quality-of-life model related to the health care system and delivery of care.

Week II: How do outcomes differ if they are community based – across the care continuum? Prevention, promotion, treatment, end-of-life? Who is responsible for the transitions and how are they measured?

Week III: Why are external variables (i.e. determinants outside the health care system) important? Which ones are relevant and when? How can these change outcomes? How/when do you measure these variables?

Week IV & V: System level structural components influencing outcomes have to be considered. How do organizational arrangement, financial arrangements, providers and practice patterns influence outcomes of care?

Week VI & VIII: Consider the different approaches to measuring cost of care and cost effectiveness. When do you use each?

Week IX: Why or how would guidelines relate to the structure/process of care? Discuss the importance of examining practice patterns and why discrepancy or uniformity in practice is desired.

Week XI: Relate findings from a community-based research study – how could that be translated to policy and at what level?

Week XII: What kind of databases are needed to do continuum of care evaluation for community samples. When are databases and data sets useful? How are they used and what is their value? Find a database related to your topic of interest for class discussion.

Week XIII: Tracking systems across the continuum, of care. Select a condition you are interested in and discuss what outcomes you would track at each phase of the care continuum.
Evaluation

Students will be expected to read and to actively participate in all seminars. Select your area of topic of interest. Take the component of the model being discussed that week and apply to your topic of interest. How is the topic of interest impacted by components of the model? How does the model impact the outcome of interest?

I. 50% of grade will be based on a review and discussion of selected outcomes/topics for classes III to XIII with five 3-4 page summaries including:

Components of the discussion and summary should include:

- conceptual definition
- measurement qualities (e.g. sensitivity and specificity)
- application across the community-based care continuum
- differentiate how this is applicable to the individual vs. the system or the practice
- clinical significance
- relevance to policy

Levels of evidence must be discussed and research articles used. Each student must write one summary on each topic. Include a reference list of 5-6 reference using APA format. Go beyond the course reference list.

One each of the following to be completed by each student:

- Determinants – week 3
- Structure – week 5
- Access – week 7
- Quality – week 9
- Systems – week 11

Criteria for evaluation:

a. Discussion of concept
b. Clarity and succinctness
c. Differentiation between relevance to patient vs. system
d. Support from the literature

Late papers will not be accepted!

II. 50% of grade will be based on a major research paper. Expectation 20-25 pages.

The focus of paper will be one outcome in the context of community-based primary care across the care trajectory (should be a concept related to outcome of interest). The outcome must be examined from a system, and a community or population perspective. The process of care to achieve the desired outcome should be included and discussed (consider the Patrick model). The analysis should include:

A. Conceptual
   1) Define the concept as it will be used in this paper.
2) What is the relevance to the model of community-based care (include a review of research-based literature)? Where is the concept in the model?

3) What is the implication for nursing and the outcome of relevance to model to a system setting implication for nursing?

B. Operational/Methodological

1) What is the operational definition used for this outcome? Please be specific and use research-based literature.

2) Is it possible to use in the practice, when compared to research?

3) Methods used in the system of care vs. community population focus.

4) Is this a good measure?

5) To be most relevant, provide a rationale for the selection of the outcome.
   a. How do the outside determinants mediate or moderate this outcome?
   b. What is the relevance as an aggregate and/or system level outcome?
   c. To whom?
   d. How does this outcome relate to clinical decisions?

6) How does this outcome fit into the overall health care system?

7) Is the outcome appropriate to use across the continuum of care; why or why not?

8) When and what are the methodological issues using this measure as a systems measure?

9) Describe the use of the measure to determine the outcome in relation to:
   a. Approach
   b. Source and type of data
   c. Timing
   d. Measurement
   e. Psychometric properties

10) Given the results of the above, what are the implications for:
   a. System
   b. Policy

Criteria for Grading:

I. Conceptualization of the outcome
   Relevance to the model (Nursing)

II. Methodology
   a) Measurement properties presented
   b) Operational definition supported
   c) Measurement issues related to model discussed
   d) Relevance for system/organization

III. Clarity of writing

IV. Strength of references/support

Due November 27th, 2001 – Late papers will not be accepted.

Required Texts:


**Optional Texts:**

Outcomes Management for Nursing (journal)


### NUR 911 Required Reading

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<tr>
<th>Week</th>
<th>Article or Chapter</th>
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<tbody>
<tr>
<td><strong>I</strong></td>
<td><strong>Health Status from Community Perspective:</strong></td>
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<tr>
<td><strong>II</strong></td>
<td><strong>Continuum of Care</strong></td>
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### III Determinants Outside the Health Care System (Individual, Family, Environment)


### IV & V System Level

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<thead>
<tr>
<th>VI</th>
<th>Cost Effectiveness</th>
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<tr>
<th>VII</th>
<th>Community – Access</th>
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<tr>
<th>VIII</th>
<th>Health Care, Affordability and Availability</th>
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**IX Individual Outcomes as Community Based Quality Care**


X Standards of Care


XI Individual Outcomes as Community Based (QOL, Function, Wellness, LTC)


of health-care delivery systems. *Medical Care, 35*(11), NS58-NS68.

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<thead>
<tr>
<th>XII</th>
<th>Evaluating System Outcomes Across the Trajectory – Research Issues</th>
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<th>XIII</th>
<th>Care Continuum Outcomes –Using Large Databases/Quality/Clinical</th>
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**XIV Care Continuum Outcomes Influencing Policies**


**XIV**

