

Curriculum Content Report: Chronic Care

Presented: July 1, 2014

Prepared by: Drs. Ramsey McGowen, Ken Olive and Cindy Lybrand, M.Ed.

Definition: "...any condition that requires ongoing adjustments by the affected person and interactions with the health care system." As defined by: [Improving Chronic Illness Care \(ICIC\)](#)

Chronic conditions include:

1. Non-communicable conditions
2. Persistent communicable conditions
3. Long-term mental disorders
4. Ongoing physical/structural impairments

As defined by the [World Health Organization \(WHO\)](#)

Seven of the most common chronic diseases:

Cancer (Breast, Colon, Lung, Prostate and other), diabetes, hypertension, stroke, heart disease, pulmonary conditions and mental disorders [Milken Institute](#)

Related Topics / Key Words:

- delivery of effective, efficient clinical care and self-management support

Related LCME Standard 7.2 [previously ED-13]: The faculty of a medical school ensure that the medical curriculum includes content and clinical experiences related to each organ system; each phase of the human life cycle; continuity of care; and preventive, acute, **chronic**, rehabilitative, end-of-life, and primary care in order to prepare students to:

- Recognize wellness, determinants of health, and opportunities for health promotion and disease prevention.
- Recognize and interpret symptoms and signs of disease.
- Develop differential diagnoses and treatment plans.
- Recognize the potential health-related impact on patients of behavioral and socioeconomic factors.
- Assist patients in addressing health-related issues involving all organ systems.

MSEC Curricular Changes or reviews related to topic: Rehabilitative Care, Continuity of Care, End-of-Life Care, and Palliative Care.

National Standards and/or models for Curricular Content:

[Improving Chronic Illness Care \(ICIC\)](#)

Innovative Care for Chronic Conditions Framework (ICC)

See Also: ACIC Part 2 - Community Linkages [Assessment Instrument]

[An Unhealthy America: The Economic Burden of Chronic Disease \(2007\) Milken Institute](#)

[World Health Organization: Chronic diseases and health promotion](#)

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Review of Required QCOM Curriculum:

Query on depth of coverage by year from New Innovations:

Year	Course / Clerkship	Depth	Content at Session Level
M1	PoM:PPS	A	Independent student review of the Chronic Care Model and the IOM Brief Report on Chronic Illness , followed by lecture on the care of patients with chronic disease including risk factors, prevalence, systems factors, patient factors and physician factors in the care of patients with chronic diseases, monitoring and self-management, and clinical case studies discussed in small groups. Assessment: via online quiz.
M2	Immunology	B	Dr. John Moorman works with students on HIV case examples and chronic care including treatment therapies. Assessment: Exam
	Practice of Medicine	I	Pathophysiology cases where students interview patients and focus on differential diagnosis building, basic science integration, and initial management issues. Cases that include specific reference to chronic care include topics covering cardiac rehabilitation, asthma, myasthenia gravis, and COPD exacerbation. Assessment: graded written H&Ps, an essay style mid-term exam, and a final oral examination.
	Intro to Clinical Psychiatry	A	<ul style="list-style-type: none"> - evidence based chronic treatment for the behavioral management of mild to moderate hypertension in the “Behavioral Medicine” lecture. - basics and practice role-playing various clinical vignettes in the chronic management of behavioral health conditions like obesity, smoking cessation, etc. in the “Motivational Interviewing” lectures. - evidence based chronic management of eating disorders, depressive disorders, delirium and dementia, bipolar disorder, schizophrenia and other psychotic disorders, alcohol abuse and dependence and other substances of abuse, child psychiatric disorders (Disorders of Infancy and Childhood: Psychopathology), somatization and the somatoform disorders, and the anxiety disorders in the lectures with the corresponding names. - evidence based and evidence informed psychotherapy strategies to use chronically for various psychiatric conditions in both the “Treatment Approaches for Psychiatric Disorders: Psychotherapy” lecture and in the “CBT and Schizophrenia lecture. <p>Assessment: one quiz and one comprehensive final exam covering each lecture.</p>

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M3 Clerkships			
	Surgery	B	<p>Daily morning rounds interface with case management for skilled nursing home care placement of elderly postop patients.</p> <p>Assessment: Students present progress notes to faculty at the facility</p>
	Community Medicine	I	<p>Use of the Chronic Care Model is covered as a component of the Community Health Fair and patient care.</p>
	Family Medicine	A	<p>-Workshop/lecture on Geriatrics, Depression, Evidence-based Approach to Cardiovascular Disease.</p> <p>-Medication list reconciliation required on Home Visit, as well as follow-up on chronic problems. Assessed with turned in report.</p> <p>-fmCASES on Diabetes, Hypertension, Asthma, COPD, CHF, Dementia. Assessed on written exam.</p> <p>-Behavioral Change Assessment assignment related to lifestyle impact on chronic disease management. Graded assessment</p>
	Pediatrics	A	<p>Use of multiple CLIPP Cases (4 or 5) with an action plan for in hospital and clinic settings. Also addressed during rounds, ICU follow-up and GT feeding.</p> <p>Assessment: Module assessments, quizzes and faculty assessment of performance.</p>
	Psychiatry	A	<p>The Chronic Care of Major Depressive Disorders, Bipolar Disorders, Anxiety Disorders (PTSD, Gen. Anxiety, Anxiety), ETOH and Drug Disorders, and Schizophrenia (and its subtypes and other psychotic disorders). These are covered through the various didactic lectures on Mood Disorders, Psychotic Disorders, Anxiety Disorders, and Alcohol and Drugs Disorders. These are also covered informally on the various inpatient psychiatric units at Woodridge Hospital and VAMC.</p> <p>Assessment: Final Oral Examination, informally on service rounds at Woodridge Hospital and VAMC</p>
	OB/GYN	A	<p>Chronic care models for management of chronic pelvic pain, vulvar, vaginal, and cervical precancerous lesions, osteoporosis, menopause, family planning, infertility, and urinary incontinence are taught in didactic and in the clinic.</p> <p>Assessment: Students are observed directly and objective testing over the content is covered in the written examination as well as the oral exam and OSCE.</p>
IM	A	<p>Student Education Conference topics cover chronic diseases like COPD, Atrial Fibrillation and Diabetes Mellitus and management is reviewed. Discharge planning during rounds would include topics to address chronic care of Congestive Heart Failure among a host of other chronic medical conditions. A Cardiac Rehabilitation lecture addresses chronic management of CAD, CABG and CHF patients.</p> <p>Assessment: Quiz sessions include assessment of students on management of chronic diseases like CHF, COPD and Hypertension. They are also assessed on competency by the site preceptors.</p>	

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Outcome Data:

2012 Program Directors' Survey:

SYSTEMS-BASED PRACTICE				
1	Being a patient advocate	3.73	0.64	
2	Comprehension of community health and epidemiology	3.48	0.58	
3	Understanding the importance of quality improvement measures and commitment to patient safety	3.37	0.6	
4	Awareness of the types of available healthcare coverage	3.32	0.56	
5	Appreciation for providing cost effective care	3.36	0.64	

AAMC Graduation Questionnaire 2013:

13. Do you believe that your instruction in the following areas was inadequate, appropriate, or excessive:

						Ratings			Count
		Inadequate	Appropriate	Excessive					
Clinical Decision Making and Clinical Care									
Management of disease									
East Tennessee-Quillen	2009	10.4	89.6	0.0				48	
East Tennessee-Quillen	2010	22.9	77.1	0.0				48	
East Tennessee-Quillen	2011	9.3	90.7	0.0				43	
East Tennessee-Quillen	2012	7.7	92.3	0.0				39	
East Tennessee-Quillen	2013	5.4	94.6	0.0				56	
All Schools	2013	10.0	89.4	0.6				13,788	
Long-term health care									
East Tennessee-Quillen	2009	33.3	66.7	0.0				48	
East Tennessee-Quillen	2010	24.5	73.5	2.0				49	
East Tennessee-Quillen	2011	16.3	83.7	0.0				43	
East Tennessee-Quillen	2012	17.9	82.1	0.0				39	
East Tennessee-Quillen	2013	19.6	80.4	0.0				56	
All Schools	2013	18.6	80.3	1.1				13,789	
Continuity of care									
East Tennessee-Quillen	2009	22.9	77.1	0.0				48	
East Tennessee-Quillen	2010	12.2	87.8	0.0				49	
East Tennessee-Quillen	2011	20.9	76.7	2.3				43	
East Tennessee-Quillen	2012	10.3	87.2	2.6				39	
East Tennessee-Quillen	2013	12.5	87.5	0.0				56	
All Schools	2013	17.8	80.7	1.5				13,786	

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Care of Geriatric Patients

East Tennessee-Quillen	2010	28.6	69.4	2.0	49
East Tennessee-Quillen	2011	21.4	78.6	0.0	42
East Tennessee-Quillen	2012	12.8	87.2	0.0	39
East Tennessee-Quillen	2013	14.3	85.7	0.0	56
All Schools	2013	15.3	79.9	4.9	13,745

Palliative care/pain management

East Tennessee-Quillen	2009	50.0	47.9	2.1	48
East Tennessee-Quillen	2010	26.5	73.5	0.0	49
East Tennessee-Quillen	2011	18.6	81.4	0.0	43
East Tennessee-Quillen	2012	20.5	79.5	0.0	39
East Tennessee-Quillen	2013	25.0	73.2	1.8	56
All Schools	2013	19.4	78.8	1.8	13,607

End of life care

East Tennessee-Quillen	2009	43.8	54.2	2.1	48
East Tennessee-Quillen	2010	28.6	69.4	2.0	49
East Tennessee-Quillen	2011	20.9	79.1	0.0	43
East Tennessee-Quillen	2012	25.6	74.4	0.0	39
East Tennessee-Quillen	2013	23.2	75.0	1.8	56
All Schools	2013	18.2	80.0	1.9	13,597

Rehabilitative care

East Tennessee-Quillen	2009	66.7	33.3	0.0	48
East Tennessee-Quillen	2010	44.9	55.1	0.0	49
East Tennessee-Quillen	2011	51.2	48.8	0.0	43
East Tennessee-Quillen	2012	35.9	64.1	0.0	39
East Tennessee-Quillen	2013	29.1	70.9	0.0	55
All Schools	2013	32.6	66.7	0.7	13,561