Chronic Illness Care Education: Reflections on a Longitudinal Interprofessional Mentorship Experience

Lauren Collins, MD  
Assistant Professor  
Division of  
Geriatric Medicine  
Department of Family and Community Medicine

Christine Jerpbak, MD  
Assistant Professor  
Director, Introduction to Clinical Medicine  
Department of Family and Community Medicine

Christine Arenson, MD  
Associate Professor  
Director, Division of Geriatric Medicine  
Director, InterProfessional Education Center  
Department of Family and Community Medicine

Richard Dressel  
Occupational Therapy Student  
College of Health Professions

Jillian Necky  
Jefferson Health Mentors  
Education Coordinator  
Department of Family and Community Medicine

Reena Antony, MPH  
Education Programs Administrator  
InterProfessional Education Center  
Thomas Jefferson University

Patrick Kane  
Medical Student  
Jefferson Medical College

Ayo Oduneye  
Nursing Student  
College of Health Professions

The prevention and management of chronic disease is a leading healthcare concern. Currently 133 million Americans live with at least one chronic condition and seven out of ten deaths are due to chronic disease. Well-functioning teams of highly trained professionals are needed to provide rational, patient-centered, evidence-based care of chronic disease. While there has been some evidence to show that interprofessional patient-centered care improves health outcomes, evidence to support interprofessional educational interventions is sparse. This article describes a longitudinal research study that incorporated the use of mentors with chronic illness into the training of future health care professionals. The study implemented a qualitative analysis of student reflection essays to assess the impact of this training approach.

To address the gap in chronic illness care education, Thomas Jefferson University developed and implemented an interprofessional education program for a mixed audience of students in medicine, nursing, occupational therapy, and physical therapy. The keystone of this program is the use of a health mentor. The health mentor is an
adult of any age who has one or more chronic medical conditions and who volunteers
to meet with a small group (3 or 4) of students 4 times a year for 2 years. Mentors were
recruited from Jefferson outpatient practices, community organizations, and
continuing care retirement communities in the Philadelphia area. Each mentor received
an individualized orientation to the program by Jefferson faculty that included a review
of program goals, objectives, and logistics.

At the end of the first year of the program, students were each asked to respond to the
following prompt: In the health mentor program, the mentor is the teacher. Please describe
the impact your mentor has had on your education as a future health care provider.
Student essay responses were qualitatively analyzed and entered into the NVivo 8
data analysis software program, a program which allows for importing, sorting and
analyzing of separate text files. Independent coders from 4 different disciplines
(medicine, nursing, OT, and public health) reviewed the essays. Coder consensus was
established through weekly meetings where themes were operationally defined,
differences in coding were reconciled, and a definitive theme set was agreed upon.
In total, 60 papers (15 from each discipline) were reviewed and coded before no new
themes emerged. Student essays addressed personal learning experiences during this
mentorship program including their overall understanding of chronic illness and their
attitudes toward chronic illness, aging, and inter-professionalism. The following seven
major themes were identified in students essays: 1) Ability to see patient-mentor as
person/individual, 2) Increased positive attitudes toward chronic illness care,
3) Increased positive attitudes toward elderly and aging, 4) Broader understanding of
the role of the health care provider, 5) Increased understanding of the importance of
health care provider-patient communication, 6) Importance of patient-centered care,
and 7) Deeper understanding of the healthcare system.

Findings from this study suggest that a longitudinal, interprofessional mentorship
program may be a promising tool for the development of higher-quality interprofes-
sional healthcare teams. Our results lend support to other research that calls for early
exposure to chronic disease prevention and management in health professions
training. Repeated visits with health mentors in the community, instead of the
hospital, gave students an alternative first-time exposure to chronic illness. The
longitudinal relationship with mentors gave students insight into the importance of
empathy and a holistic approach to care. Attentive listening, allotting enough time, and
the importance of developing a rapport during the interview process were noted by
participants as positive outcomes of this program.
This study suggests that early, longitudinal patient contact may help to prevent the negative connotations many students come to associate with chronic illness during their later clinical experiences. Further work is needed to assess the impact of the full two-year curriculum on longer term attitudes and behavior (i.e. at graduation and in practice). Students will be followed using the Jefferson Longitudinal Study to monitor these outcomes. Community health mentors with well controlled chronic conditions can have a positive impact on health professions’ student attitudes and should be utilized in chronic illness care education.

For more information on this program contact Lauren Collins, MD at Lauren.Collins@jefferson.edu.

References