

The State of Clinical Exercise Physiology

Cemal Ozemek, PhD, ACSM-CEP, FACSM, FAACVPR, FCEPA

Director, Professional Doctor of CEP Program Registered Clinical Exercise Physiologist Clinical Associate Professor University of Illinois at Chicago ozemek@uic.edu

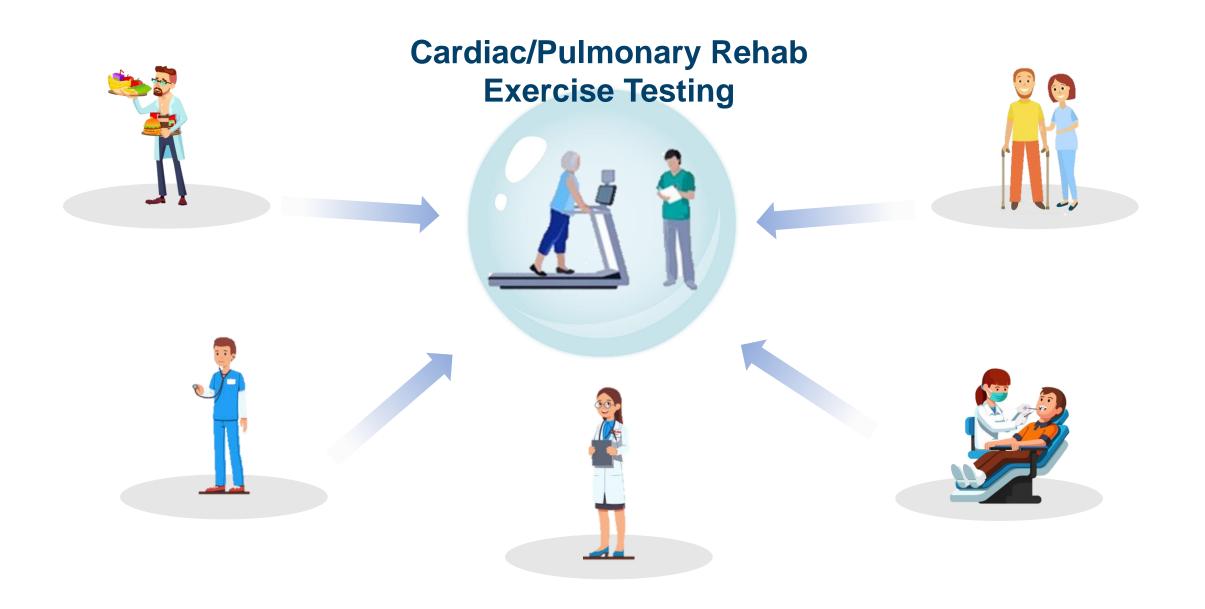
Outline

- Professionalization and current efforts
- Salary structure and compensation
- DCEP program vs. PhD in Exercise Physiology
- Advice for young CEPs in the clinical field

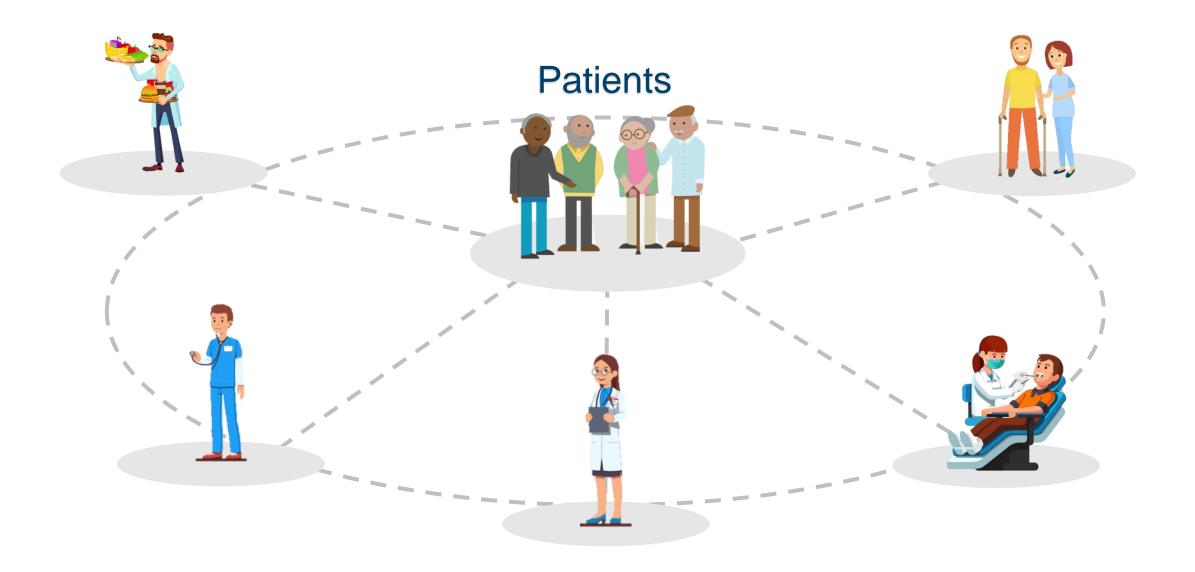
WARNING

This presentation contains information that may be disheartening with frustrating realities that CEPs face on a day-to-day basis. Audience members who are easily discouraged, or are not willing to advocate for the CEP field should quietly excuse themselves from this presentation.

Challenges Within the Field of CEP



Lack of Recognition



Qualified Healthcare Professional

Board/Licensure Exam



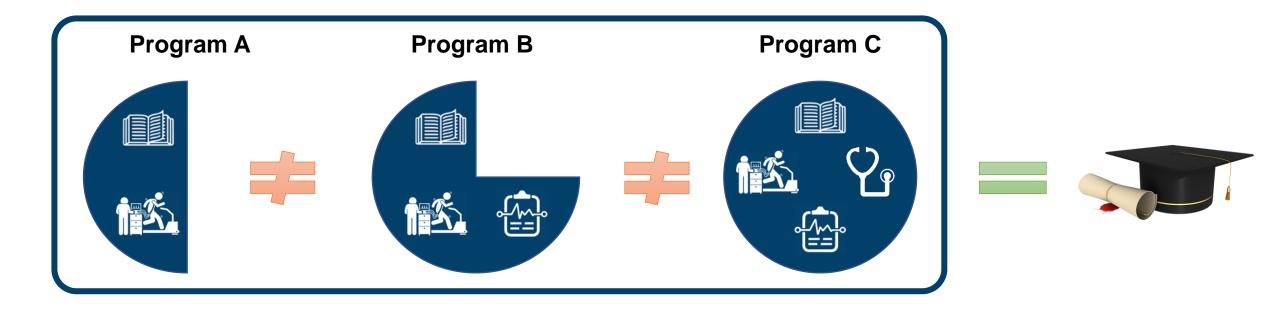
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MD	Medical School	
RN	Nursing Program PT School	
Physical Therapist	PT School	
Dietitian	Dietetics Program Dental School	
Dentist	Dental School	
CEP	?	



Accredited Program

CEP Training



Qualified Healthcare Professional (QHP)

An individual who is qualified by...

- Education
- Training
- Regulation

Facility privileging (when applicable)
Performs a professional service within their
<u>scope of practice</u> and independently reports
that professional service.

Reimbursement Task Force



William E. Kraus, MD

Goals are to...

- be recognized QHP
- able to deliver exercise and healthy lifestyle counseling and supervision to patients (according to their <u>scope of practice</u>)
- able to bill and be reimbursed for their services.





AMERICAN COLLEGE of SPORTS MEDICINE LEADING THE WAY

What is Required?



PROGRAMMATIC ACCREDITATION



PROFESSIONAL CERTIFICATION





PROFESSIONAL REGISTRATION





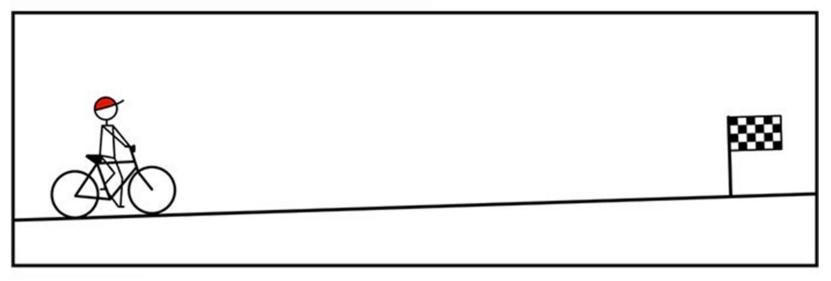




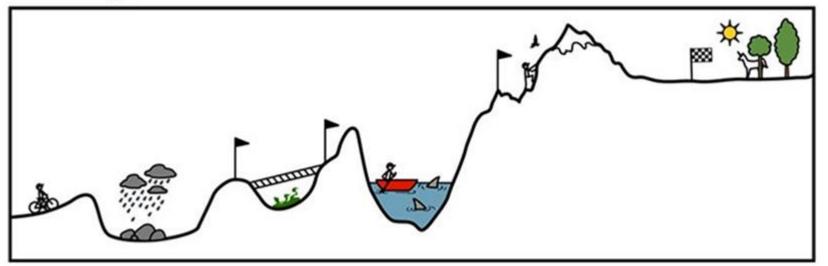
QHP Recognition



Professionalization Plan

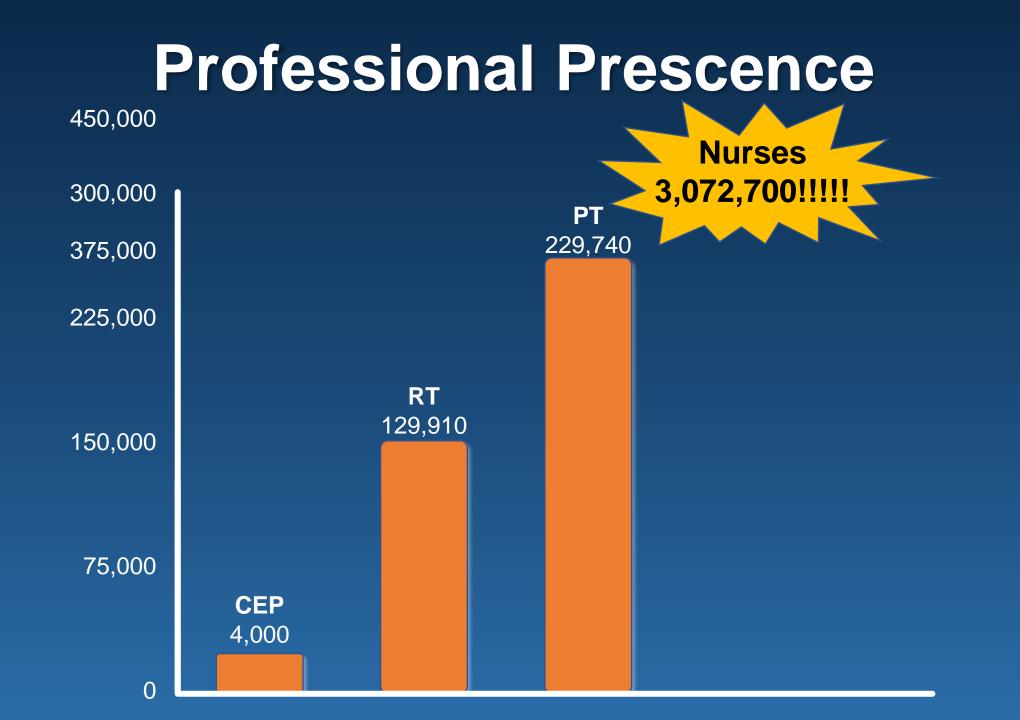


Reality



Accredited CEP Programs





Ask not what the Task Force can do for you, ask what you can do for the Task Force.

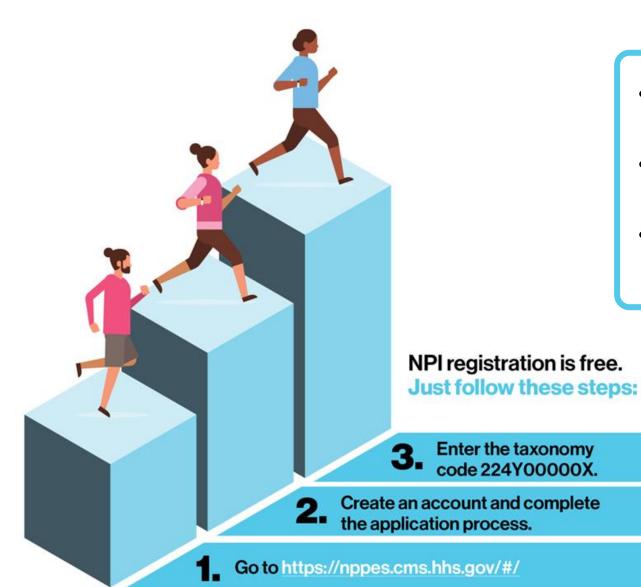
Where do we start?

ACSM Certification

Official Notice of Proposed Revisions to CoAES Standards & Guidelines Read



Get an Individual NPI Number



- Standard industry identifier for healthcare professionals
- Used to identify specific individuals rendering services to patients
- ACSM-CEPs and EPs can have a group and individual NPI

The Academic

- Seek and promote programmatic accreditation.
- Consider hiring faculty candidates that have recent clinical experience.
- Forge strong clinical site partnerships.
- Join CEPA!

The Manager

- Encourage and support employees' pursuit of the ACSM-CEP certification.
- Standardize professional titles within your organization to include "Clinical Exercise Physiologist".
- Include your program in the CEPA Internship Directory.
- If you are not a member of CEPA, join today.
- Volunteer to serve on a CEPA committee.

Salary Structure

Compensation

November 2022



Clinical Exercise Physiologist Compensation Strategies: Recommendations by the Clinical Exercise Physiology Association

Author: Matthew B. Thomas, MS, MBA, ACSM-CEP Contributors: Cemal Ozemek, PhD, ACSM-CEP, FACSM, FAACVPR; Laura A. Richardson, PhD, ACSM-CEP, FACSM; Laura Newsome, PhD, ACSM-CEP; Robert Berry, MS, ACSM-CEP; Wanda Koester, MS, ACSM-CEP Reviewers: Steven J. Keteyian, PhD; Tracy Herrewig, MS, ACSM-CEP

Rationale

Personnel shortages of all types are the single greatest problem facing healthcare organizations according to the American College of Healthcare Executives (ACHE, 2022). Numerous anecdotal experiences from cardiopulmonary rehabilitation programs have reported facing workforce departures, particularly by Clinical Exercise Physiologists (CEPs), as well as having difficulty filling subsequent vacancies. The exit of CEPs from the healthcare workforce, in combination with the looming healthcare staffing shortage, will pose significant challenges for

Job Titles



CEP Practice Patterns

ORIGINAL RESEARCH

Clinical Exercise Physiologists in Cardiac Rehabilitation and Clinical Exercise Testing

Clinton A. Brawner, PhD, ACSM-CEP (Chair)¹, Robert Berry, MS, ACSM-CEP², Aaron W. Harding, PhD, ACSM-CEP³, Jill K. Nustad, DSc, ACSM-CEP⁴, Cemal Ozemek, PhD, ACSM-CEP⁵, Laura A. Richardson, PhD, ACSM-CEP⁶, Patrick D. Savage, MS⁷ on behalf of the Clinical Exercise Physiology Association

ABSTRACT

Background: The unique training of clinical exercise physiologists (CEPs) positions them to be an integral part of multidisciplinary teams in phase 2 cardiac rehabilitation (CR). However, the roles and responsibilities of CEPs vary widely between institutions. In addition, job tasks of CEPs at some institutions might not fully leverage their knowledge and skills. The purpose of this study was to describe the roles and responsibilities of CEPs working in CR and noninvasive clinical exercise testing at select institutions in the United States.

Methods: This was a descriptive study of the job tasks performed by CEPs in CR and noninvasive clinical exercise testing at select institutions. Job tasks that are common to CR and noninvasive clinical exercise testing were identified by a working group of the Clinical Exercise Physiology Association.

Results: The 6 CR programs in this report are predominately staffed by CEPs with no other health care professional present during exercise classes. In 5 of these programs CEPs perform all tasks required of phase 2 CR, from patient screening to program discharge. At 3 of the 4 programs that also performed noninvasive exercise testing, CEPs performed all the necessary tasks with no other health care professional present in the room during testing.

Conclusion: CEPs play an integral role in the conduct of phase 2 CR and noninvasive cardiology exercise testing. Granting privileges to CEPs that allow them to work at the top of their knowledge and skills will allow other health care professionals to better use their skills in other high demand areas. *J Clin Exerc Physiol.* 2023;12(2):38–45.

Keywords: privileges, profession, roles, responsibilities, staffing

Compensation Strategies

1. Alignment of position titles

- Clarifies skills and training
- Helps compare compensation across organizations
- Work collaboratively with reginal partners to align definitions

2. Job description review

• HR uses this to determine pay grade assignments and perform market analysis.

3. Consensus on certification

- ACSM offers certifications for EP and CEP professionals
- ACSM and CEPA endorse the ACSM-CEP certification

4. Implementing career ladders

• Useful to improve compensation for professionals where market analyses are absent or resisted.

Career Ladders: 1st Method

Compensation differences are based on position responsibilities and/or meaningful differences in minimum professional requirements to execute essential functions.

Establish job position tiers based on...

 years of service, advanced academic preparation, achievement of professional certification, and the performance of added employment responsibilities.

Use of numeric modifiers (e.g., CEP I, CEP II) to distinguish job titles rather than creating a new position title

Career Ladders: 2nd Method

Implement pay incentives and/or differentials for individuals who achieve certain performance markers

- Does not affect base pay rates (e.g., hourly wage), but rather provides incentives for colleagues to receive bonuses or pay differentials based on performance, achievement and maintenance of certification, conducting research, and other professional engagements.
- Can help improve performance, patient care, and overall department innovation.

Hybrid method: Position tiers in combination with performance incentives



Professional Doctorate

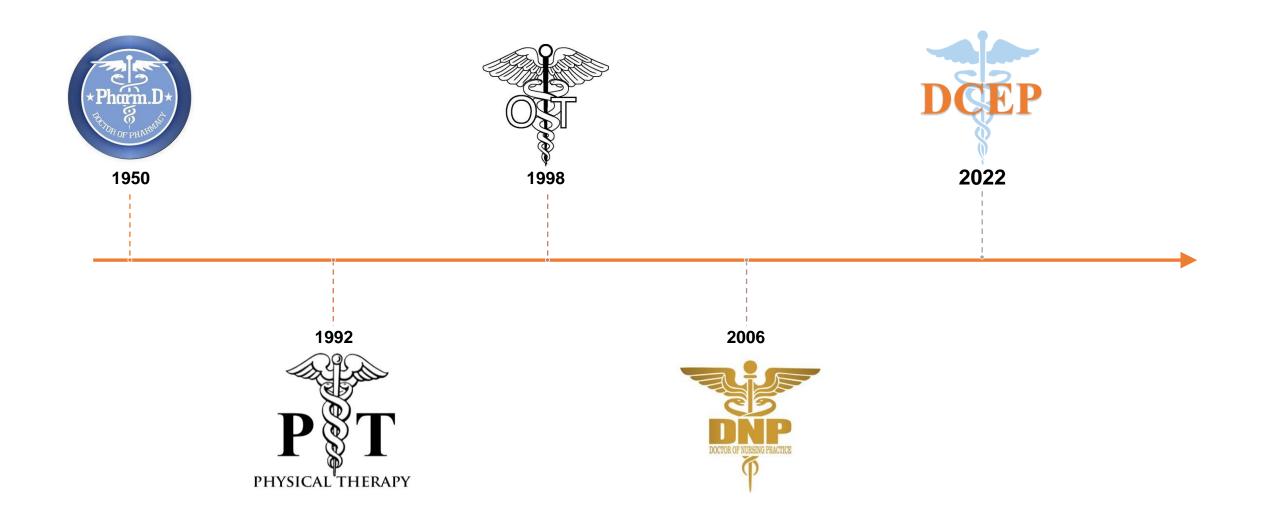


- Focused on advancing practice of knowledge and skills through didactic and applied experiences.
- It is NOT a PhD and no dissertation!

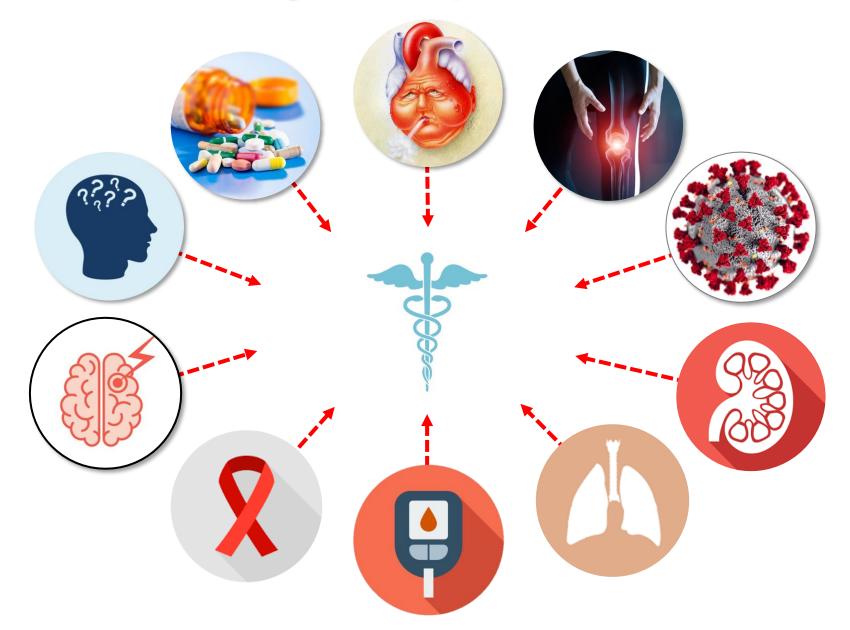


• Still champion the scientific method and promote the application of evidence-based interventions.

Professional Doctorate



Clinically Complex Patients





Ozemek et al. TJACSM. 2019; 4(18):185-191

Consensus/Opinion/Policy Statement

Time to Elevate the Education of Clinical Exercise Physiologists: A Professional Doctorate Model

Cemal Ozemek,¹ Leonard A. Kaminsky,² Peter H. Brubaker,³ Carl J. Lavie, ^{4,5} and Ross Arena¹

ABSTRACT

The increasing prevalence of noncommunicable diseases and multimorbidity negatively affects an individual's quality of life and health trajectory; this trend and resultant personal and clinical outcomes are of significant concern. Healthy living (HL) behaviors (physical activity, dietary modification, smoking cessation, and medication compliance) are known to provide substantial health benefits that slow the progression or in some cases reverse the deleterious effects associated with inactivity and consumption of a diet high in sodium, fat content, added sugars, and energy-dense foods. However, it is becoming increasingly clear that a onesize-fits-all approach to HL interventions in populations at risk for or diagnosed with noncommunicable diseases is inadequate to promote optimization of health outcomes. Practitioners implementing HL interventions, such as clinical exercise physiologists (CEP), must instead understand the complexity or multimorbidity phenotypes and be able to effectively tailor programs for each condition. Although CEP may receive master's level training in this area, the rise in patients with complex multimorbidity warrants consideration of elevating the professional expectations to better prepare CEP in training to deliver highly effective primary and secondary prevention HL interventions. Many licensed allied health professions (i.e., physical therapy, pharmacy, occupational therapy, nursing, nutrition, etc.) have recognized the call to move toward professional doctoral degree programs to better prepare practitioners within their field. This article proposes a professional doctorate degree program aimed at enhancing the training of CEP to become highly effective practitioners.

or more NCD are at a higher risk for losing functional independence as well as increased risk for morbidity and premature mortality compared with apparently healthy individuals (2). The direct and indirect costs of managing NCD contribute to significant financial burdens on individuals and their family members as well as health care systems (3). Although the factors contributing to the development of NCD are multifactorial and complex, lifestyle barriers that limit physical activity (PA), increase sedentary time, and enable the overconsumption of foods that are energy dense (i.e., high in sodium, fat, and added sugars) are clearly associated with the development and progression of NCD (2,4). In fact, sedentary behavior and obesity have reached epidemic proportions and require immediate action to reverse this course (5,6).

In "Westernized" countries, the phenotype of low PA, high sedentary time, overconsumption of energy-dense and low nutrient foods, and excess body mass has



Exercise & Sports Science Australia



Professional Doctor of CEP (DCEP)

Minimum Admission Criteria

- MA/MS in Exercise Science
 - Minimum GPA of 3.0
 - ECG
 - Clinical exercise testing, interpretation and Rx
 - Advanced exercise physiology
- At least 100 hr clinical experience

Program Layout

- 1 or 2 year option
- Courses
 - Diabetes Educator
 - Clinically complex patients
 - Cardiovascular sonography
 - Behavior/nutrition counseling
 - Clinical Program Management
- Clinical Rotations
 - UIC, Northwestern, U of C



Advice for Young (C)EPs



Simple Steps That Make a Difference

- **1. Acquire ACSM-CEP certification**
- 2. Increase recognition
 - Include ACSM-CEP in your email signature and resume.
 - Adopt the title "Registered Clinical Exercise Physiologist" in your email signature, resume, and vocabulary.
- 3. If you are not a member of CEPA, join today.
- 4. Volunteer to serve on a CEPA committee.



Excellence is the gradual result of always striving to do better.

— Pat Riley —

Strive for Excellence

- Stay up to date...learning is life long
- Maintain a high level of curiosity
- CEP is more than cardiopulmonary rehab
- Use your education and training to its full capacity
- You truly can make a difference





Thank you!

ozemek@uic.edu



