

ONLINE SUPPLEMENT

CEPA 2015 Clinical Exercise Physiology Practice Survey

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Supplement Figure 1. 2015 CEPA Salary Survey Questions

- 1) My Age is
- 2) My gender is
 - a. Male
 - b. Female
- 3) What Country do you live in?
- 4) What state do you live in?
- 5) Highest level of education
 - a. Associate's degree
 - b. BS/BA
 - c. MS/MA
 - d. Ph.D/Ed.D
 - e. Other (please specify)
- 6) What is your highest degree in?
 - a. Exercise science/exercise physiology
 - b. Other (please specify)
- 7) How many years have you worked in the field of exercise physiology?
 - a. Currently not working in the field
 - b. 0-1
 - c. 2-3
 - d. 4-5
 - e. 6-7
 - f. 8-9
 - g. 10-15
 - h. 16-20
 - i. 21-25
 - j. >25
- 8) What is your current job title?
 - a. Exercise specialist
 - b. Exercise physiologist
 - c. Clinical exercise physiologist
 - d. Cardiovascular technologist
 - e. Program director
 - f. Program coordinator
 - g. Research coordinator
 - h. Research assistant
 - i. College/University Instructor/Professor
 - j. Researcher
 - k. Other (please specify)
- 9) What is your primary work or educational setting?
 - a. Cardiac rehabilitation
 - b. Pulmonary rehabilitation
 - c. Cardiovascular stress testing
 - d. Physical Therapy
 - e. Cancer rehabilitation
 - f. Obesity clinic
 - g. Senior living center
 - h. Corporate fitness
 - i. Government fitness setting
 - j. College/University classroom
 - k. College/University research

- l. Community center (e.g. YMCA, Jewish community center)
 - m. Hospital Wellness facility
 - n. Commercial fitness center (e.g. planet fitness, lifetime fitness)
 - o. Non-University Research
 - p. Other (please specify)
- 10) What certifications do you currently have other than ACSM certifications?
- a. AACVPR Certified Cardiac Rehabilitation Professional (CCRP)
 - b. Certified Personal Trainer (CPT)
 - c. Registered Nurse (RN)
 - d. Physical Therapist (PT)
 - e. Registered Dietitian (RD)
 - f. Occupational Therapist (OT)
 - g. Certified Strength and Conditioning Specialist (CSCS)
 - h. Athletic Trainer (AT)
 - i. Respiratory Therapist (RT)
 - j. ASEP Certified Exercise Physiologist
 - k. Other (please specify)
- 11) Which ACSM certifications do you currently have?
- a. Registered Clinical Exercise Physiologist (RCEP)
 - b. Certified Clinical Exercise Specialist (CES)
 - c. Certified Health Fitness Specialist (HFS)
 - d. Certified Personal Trainer
 - e. Program Director
 - f. Health Fitness Director
 - g. Exercise Test Technologist
 - h. Exercise Leader
 - i. ACSM/NCPAD Certified Inclusive Fitness Trainer
 - j. ACSM/ACS Certified Cancer Exercise Trainer
 - k. ACSM/NSPAPPH Physical Activity in Public Health Specialist
 - l. None
- 12) At the time you took your first ACSM certification what was the highest exercise science/physiology degree you had earned or were near completing?
- a. Bachelor's degree
 - b. Master's degree
 - c. Doctoral's degree
 - d. Other (please specify)
- 13) What is your work status?
- a. Full-time
 - b. Part-time
 - c. Per diem
 - d. PRN
- 14) How many hours do you work per week (on average)
- 15) What is your hourly pay rate (If salaried, calculate based on 40 hour per week)?
- 16) What is your current annual salary?
- a. <\$20,000/year
 - b. \$20,001-\$22,500/year
 - c. \$22,501-\$25,000/year
 - d. \$25,001-\$27,500/year
 - e. \$27,501-\$30,000/year
 - f. \$30,001-\$32,500/year
 - g. \$32,501-\$35,000/year

- h. \$35,001-\$37,500/year
 - i. \$37,501-\$40,000/year
 - j. \$40,001-\$42,500/year
 - k. \$42,501-\$45,000/year
 - l. \$45,001-\$47,500/year
 - m. \$47,501-\$50,000/year
 - n. \$50,001-\$52,500/year
 - o. \$52,501-\$55,000/year
 - p. \$55,001-\$57,500/year
 - q. \$57,501-\$60,000/year
 - r. \$60,001-\$62,500/year
 - s. \$62,501-\$65,000/year
 - t. \$65,001-\$67,500/year
 - u. \$67,501-\$70,000/year
 - v. \$70,001-\$72,500/year
 - w. \$72,501-\$75,000/year
 - x. \$75,001-\$77,500/year
 - y. \$77,501-\$80,000/year
 - z. \$80,001-\$85,000/year
 - aa. \$85,001-\$90,000/year
 - bb. \$90,001-\$92,500/year
 - cc. \$92,501-\$95,000/year
 - dd. \$95,001-\$97,500
 - ee. \$97,501-\$100,000
 - ff. >\$100,000/year
- 17) Does your job include direct patient contact or the supervision of clinical services?
- a. Yes (continue with the survey)
 - b. No (end survey)
- 18) What patient population do you primarily work with?
- a. Cardiovascular
 - b. Pulmonary
 - c. Metabolic
 - d. Neuromuscular/Musculoskeletal
 - e. Immunologic/Hematologic
 - f. Athletes/Healthy populations
- 19) How often do you work with the following populations?
- a. Cardiovascular
 - i. All the time
 - ii. Very often
 - iii. Often
 - iv. Less often
 - v. Seldom
 - vi. Never
 - b. Pulmonary
 - i. All the time
 - ii. Very often
 - iii. Often
 - iv. Less often
 - v. Seldom
 - vi. Never
 - c. Metabolic

- i. All the time
 - ii. Very often
 - iii. Often
 - iv. Less often
 - v. Seldom
 - vi. Never
 - d. Neuromuscular/Musculoskeletal
 - i. All the time
 - ii. Very often
 - iii. Often
 - iv. Less often
 - v. Seldom
 - vi. Never
 - e. Immunologic/Hematologic
 - i. All the time
 - ii. Very often
 - iii. Often
 - iv. Less often
 - v. Seldom
 - vi. Never
 - f. Athletes/Healthy populations
 - i. All the time
 - ii. Very often
 - iii. Often
 - iv. Less often
 - v. Seldom
 - vi. Never
- 20) How do you primarily bill for your services?
- a. Private pay
 - b. Under hospital or program services
 - c. Under a physician
 - d. Other (please specify)
- 21) What CPT or G-codes do you bill for your services? (list any below)
- 22) Are you required to have an ACSM certification for your job?
- a. No
 - b. Yes (please list certification(s))

Supplement Table 1: Annual salary by academic degree and clinical exercise certification

	Median	25 th Percentile	75 th Percentile
Academic Degree			
Bachelor's (n= 306)	\$42,501-\$45,000	\$32,501-\$35,000	\$52,501-\$55,000
Master's (n=594)	\$47,501-\$50,000	\$40,001-\$42,500	\$57,501-\$60,000
Doctorate (n=53)	\$70,001-\$72,500	\$55,001-\$57,500	\$85,001-\$87,500
Clinical Exercise Certification			
Yes (n=560)	\$47,501-\$50,000	\$40,001-\$42,500	\$60,001-\$62,500
No (n=385)	\$45,001-\$47,500	\$35,001-\$37,500	\$55,001-\$57,500
Clinical Exercise Certification- Bachelor's Degree			
Yes (n=180)	\$47,501-\$50,000	\$37,501-\$40,000	\$55,001-\$57,500
No (n=188)	\$37,501-\$40,000	\$32,501-\$35,000	\$50,001-\$52,500
Clinical Exercise Certification- Master's Degree			
Yes (n=381)	\$47,501-\$50,000	\$40,001-\$42,500	\$60,001-\$62,500
No (n=204)	\$47,501-\$50,000	\$37,501-\$40,000	\$57,501-\$60,000

Supplement Table 2. Hourly pay rate by academic degree and clinical exercise certification

	Median	25 th Percentile	75 th Percentile
Academic Degree			
Bachelor's (n= 388)	\$22.50	\$18.21	\$28.75
Master's (n=666)	\$25.00	\$20.70	\$30.00
Doctorate (n=62)	\$36.25	\$29.75	\$45.25
Clinical Exercise Certification- Bachelor's Degree			
Yes (n=180)	\$24.17	\$19.53	\$30.91
No (n=208)	\$20.54	\$17.00	\$26.21
Clinical Exercise Certification- Master's Degree			
Yes (n=430)	\$25.00	\$21.00	\$31.00
No (n=236)	\$24.00	\$20.00	\$29.66

Supplement Table 3. Sex differences for annual salary by academic degree and clinical exercise certification

	Median	25 th Percentile	75 th Percentile
Women (n=656)	\$45,001-\$47,500	\$37,501-\$40,000	\$55,001-\$57,500
Men (n=286)	\$50,001-\$52,500	\$40,001-\$42,500	\$65,001-\$67,500
Academic Degree-Women			
Bachelor's (n= 219)	\$40,001-\$42,500	\$32,501-\$35,000	\$52,501-\$55,000
Master's (n=407)	\$47,501-\$50,000	\$37,501-\$40,000	\$57,501-\$60,000
Doctorate (n=26)	\$57,501-\$60,000	\$50,001-\$52,500	\$70,001-\$72,500
Academic Degree-Men			
Bachelor's (n= 87)	\$47,501-\$50,000	\$35,001-\$37,500	\$62,501-\$65,000
Master's (n=175)	\$50,001-\$52,500	\$42,501-\$45,000	\$62,501-\$65,000
Doctorate (n=23)	\$75,001-\$77,500	\$65,001-\$67,500	\$85,001-\$87,500
Clinical Exercise Certification- Women			
Yes (n=396)	\$47,501-\$50,000	\$37,501-\$40,000	\$57,501-\$60,000
No (n=260)	\$45,001-\$47,500	\$35,001-\$37,500	\$52,501-\$55,000
Clinical Exercise Certification- Men			
Yes (n=162)	\$52,501-\$55,000	\$45,001-\$47,500	\$70,001-\$72,500
No (n=124)	\$47,501-\$50,000	\$35,001-\$37,500	\$60,001-\$62,500

Supplement Table 4. Sex differences in hourly pay rate by academic degree and clinical exercise certification

	Median	25 th Percentile	75 th Percentile
Women (n=799)	\$24.00	\$19.75	\$30.00
Men (n=323)	\$26.00	\$20.03	\$35.00
Academic Degree-Women			
Bachelor's (n= 293)	\$22.00	\$18.25	\$26.32
Master's (n=470)	\$24.77	\$20.87	\$30.00
Doctorate (n=30)	\$35.00	\$25.50	\$41.00
Academic Degree-Men			
Bachelor's (n= 95)	\$24.96	\$18.00	\$34.81
Master's (n=192)	\$25.00	\$20.60	\$32.00
Doctorate (n=35)	\$39.50	\$30.08	\$46.15
Clinical Exercise Certification-			
Women			
Yes (n=466)	\$25.00	\$20.70	\$30.61
No (n=333)	\$22.76	\$18.75	\$27.90
Clinical Exercise Certification-			
Men			
Yes (n=185)	\$28.00	\$22.00	\$37.00
No (n=135)	\$23.02	\$17.95	\$30.00

Supplement Table 5. Sex differences in hourly pay rate by academic degree and years of experience

Years of Experience	Female Bachelor's (n=281)	Male Bachelor's (n=87)	Female Master's (n=457)	Male Master's (n=193)
<2	\$18.85	\$18.50*	\$20.24	\$19.52*
2-3	\$18.50	\$18.76*	\$19.57	\$20.00
4-5	\$19.50	\$23.54*	\$21.35	\$23.10
6-7	\$24.00	\$24.66*	\$23.00	\$23.70*
8-9	\$23.45	\$24.23*	\$23.00	\$27.53*
10-15	\$25.00	\$34.81*	\$25.00	\$28.00
16-20	\$24.00	\$38.00*	\$27.00	\$32.00
21-25	\$26.00	N/A	\$32.25	\$35.18*
>25	\$34.00	N/A	\$30.55	\$31.75*

*MALES <2 years BS=13, MS=12; 2-3 years BS=14; 4-5 years BS=10; 6-7 years BS=13, MS=11; 8-9 years BS=8, MS=10; 10-15 BS=13; 16-20 years BS=10; 21-25 years BS=1, MS=15; >25 years BS=5, MS=12

Supplement Table 6. Median salary stratified by geographic location for full-time clinical exercise professionals who did not report a concomitant degree

Region	Median	25 th Percentile	75 th Percentile
New England (n=67)	\$52,501-\$55,000	\$45,001-\$47,500	\$72,501-\$75,000
Southwest (n= 67)	\$52,501-\$55,000	\$42,501-\$45,000	\$70,001-\$72,500
Mid-Atlantic (n= 116)	\$50,001-\$52,500	\$40,001-\$42,500	\$62,501-\$65,000
Rocky Mountain (n= 22)	\$50,001-\$52,500	\$42,501-\$45,000	\$57,501-\$60,000
Northwest (n= 45)	\$47,501-\$50,000	\$37,501-\$40,000	\$62,501-\$65,000
North (n= 74)	\$47,501-\$50,000	\$35,001-\$37,500	\$55,001-\$57,500
Midwest (n= 217)	\$45,001-\$47,500	\$37,501-\$40,000	\$52,501-\$55,000
Southeast (n= 216)	\$42,501-\$45,000	\$35,001-\$37,500	\$57,501-\$60,000
Central (n=31)	\$37,501-\$40,000	\$35,001-\$37,500	\$50,001-\$52,500
Selected States*	Median	25 th Percentile	75 th Percentile
California (n=33)	\$65,001-\$67,500	\$47,501-\$50,000	\$80,001-\$82,500
Texas (n=40)	\$52,501-\$55,000	\$35,001-\$37,500	\$62,501-\$65,000
Ohio (n=31)	\$50,001-\$52,500	\$40,001-\$42,500	\$65,001-\$67,500
Wisconsin (n=43)	\$50,001-\$52,500	\$47,501-\$50,000	\$60,001-\$62,500
Minnesota (n=56)	\$50,001-\$52,500	\$35,001-\$37,500	\$60,001-\$62,500
Pennsylvania (n=47)	\$45,001-\$47,500	\$37,501-\$40,000	\$62,501-\$65,000
Virginia (n=34)	\$45,001-\$47,500	\$35,001-\$37,500	\$52,501-\$55,000
North Carolina (n=74)	\$40,001-\$42,500	\$35,001-\$37,500	\$52,501-\$55,000
Michigan (n=51)	\$40,001-\$42,500	\$37,501-\$40,000	\$47,501-\$50,000

Supplement Table 7. Median hourly pay rate stratified by geographic location for full-time and part-time clinical exercise professionals who did not report a concomitant degree

Region	Median	25 th Percentile	75 th Percentile
Southwest (n= 92)	\$30.00	\$22.00	\$39.79
Northwest (n= 56)	\$27.50	\$20.93	\$32.75
New England (n=78)	\$26.71	\$22.85	\$32.13
Mid-Atlantic (n= 144)	\$25.75	\$21.00	\$33.40
North (n=90)	\$25.26	\$22.20	\$30.00
Rocky Mountain (n= 34)	\$24.66	\$20.15	\$28.98
Midwest (n= 258)	\$23.00	\$19.88	\$27.30
Central (n=35)	\$22.00	\$18.75	\$25.06
Southeast (n=249)	\$21.63	\$17.64	\$26.88
Selected States*	Median	25 th Percentile	75 th Percentile
California (n=33)	\$34.40	\$27.88	\$43.74
New York (n=40)	\$29.75	\$21.63	\$40.75
Massachusetts (n=30)	\$25.91	\$22.30	\$32.87
Wisconsin (n=55)	\$25.52	\$23.90	\$30.00
Ohio (n=31)	\$24.61	\$20.00	\$28.00
Colorado (n=32)	\$24.41	\$20.05	\$28.66
Texas (n=44)	\$24.41	\$19.00	\$32.54
Pennsylvania (n=55)	\$23.80	\$20.00	\$30.00
Minnesota (n=71)	\$23.50	\$16.58	\$28.00
Virginia (n=34)	\$22.00	\$17.35	\$28.75
North Carolina (n=74)	\$21.35	\$17.76	\$25.75
Michigan (n=51)	\$21.04	\$19.00	\$24.02

Supplement Table 8. Median salary for full-time clinical exercise professionals based on job setting and academic degree

Job Setting	Median (All)	Median (BS)	Median (MS)
Cardiac Rehabilitation (n= 407)	\$45,001-\$47,500	\$42,501-\$45,000	\$47,501-\$50,000
University (n= 85)	\$52,501-\$55,000	\$45,001-\$47,500	\$47,501-\$50,000
Stress Testing (n=84)	\$47,501-\$50,000	\$47,501-\$50,000	\$47,501-\$50,000
Commercial/Community			
Fitness (n= 73)	\$45,001-\$47,500	\$42,501-\$45,000	\$47,501-\$50,000
Wellness (n=70)	\$47,501-\$50,000	\$45,001-\$47,500	\$47,501-\$50,000
Corporate (n=66)	\$42,501-\$45,000	\$37,501-\$40,000	\$50,001-\$52,500
Hospital or Clinic (n= 52)	\$50,001-\$52,500	\$42,501-\$45,000	\$52,501-\$55,000
Government (n= 27)	\$60,001-\$62,500	N/A	N/A
Physical Therapy (n=20)	\$35,001-\$37,500	N/A	N/A
Pulmonary (n=20)	\$52,501-\$55,000	N/A	N/A

Supplement Table 9. Median salary for full-time clinical exercise professionals based on job setting and clinical exercise certification

Job Setting	Median (All)	Certification	No Certification
Cardiac Rehabilitation (n= 407)	\$45,001-\$47,500	\$47,501-\$50,000	\$45,001-\$47,500
University (n= 85)	\$52,501-\$55,000	\$57,501-\$60,000	\$50,001-\$52,500
Stress Testing (n=84)	\$47,501-\$50,000	\$47,501-\$50,000	\$42,501-\$45,000
Commercial/Community			
Fitness (n= 73)	\$45,001-\$47,500	\$47,501-\$50,000	\$42,501-\$45,000
Wellness (n=70)	\$47,501-\$50,000	\$52,501-\$55,000	\$42,501-\$45,000
Corporate (n=66)	\$42,501-\$45,000	\$50,001-\$52,500	\$42,501-\$45,000
Hospital or Clinic (n= 52)	\$50,001-\$52,500	\$52,501-\$55,000	\$47,501-\$50,000
Government (n= 27)	\$60,001-\$62,500	N/A	N/A
Physical Therapy (n=20)	\$35,001-\$37,500	N/A	N/A
Pulmonary (n=20)	\$52,501-\$55,000	N/A	N/A

Supplement Table 10. Median salary for full-time clinical exercise professionals based on job setting and academic degree

Job Setting	Median (All)	Median (BS)	Median (MS)
Cardiac Rehabilitation (n= 495)	\$24.50	\$22.76	\$25.00
University (n= 97)	\$30.00	\$18.89	\$25.00
Stress Testing (n=95)	\$24.25	\$24.88	\$23.98
Commercial/Community Fitness (n= 100)	\$24.95	\$24.00	\$26.00
Wellness (n=78)	\$23.55	\$22.25	\$24.04
Corporate (n=67)	\$21.00	\$19.76	\$24.00
Hospital or Clinic (n= 58)	\$24.07	\$21.00	\$24.41
Government (n= 29)	\$28.00	N/A	N/A
Physical Therapy (n=23)	\$20.35	N/A	N/A
Pulmonary (n=29)	\$25.00	N/A	N/A

Supplement Table 11. Median salary for full-time clinical exercise professionals based on job setting and clinical exercise certification

Job Setting	Median (All)	Certification	No Certification
Cardiac Rehabilitation (n= 495)	\$24.50	\$25.00	\$23.00
University (n= 97)	\$30.00	\$30.00	\$25.00
Stress Testing (n=95)	\$24.25	\$25.00	\$21.95
Commercial/Community Fitness (n= 100)	\$24.95	\$28.13	\$21.00
Wellness (n=78)	\$23.55	\$25.00	\$22.00
Corporate (n=67)	\$21.00	\$24.00	\$21.00
Hospital or Clinic (n= 58)	\$24.07	\$24.87	\$23.06
Government (n= 29)	\$28.00	N/A	N/A
Physical Therapy (n=23)	\$20.35	N/A	N/A
Pulmonary (n=29)	\$25.00	N/A	N/A