

(Community - Oriented Primary Care):

Joe Byungwook Kim, <sup>1</sup> . <sup>2</sup> . <sup>1</sup>

= Abstract =

**Community - Oriented Primary Care :  
Preparing Physicians for the Future in the United States**

**Joe Byungwook Kim, Yunhwan Lee<sup>1</sup>, Eun Kyung Joo<sup>2</sup>, Ki Hong Chun<sup>1</sup>**

*School of Medicine and Health Sciences, George Washington University,  
Department of Preventive Medicine, Ajou University School of Medicine<sup>1</sup>,  
Department of Medical Education & Social Medicine, Ajou University School of Medicine<sup>2</sup>*

As the health care system continues to evolve, there will be a shift in the care that physicians are asked to provide: from high-tech to patient-centered, from treatment-focused to prevention-focused. To improve the health of communities, health providers need to apply skills beyond those contained in the traditional biomedical model and must strive to encompass the community-based public health model.

Physicians must function effectively within a multidisciplinary team in order to provide optimal health care in a setting of complex needs which far exceed the capacity of any one health discipline to address adequately. Students need first hand experience working with population issues in all learning settings - the hospital, the clinic and the community - to stimulate their interest in a population perspective. The medical education community needs to search for innovative, creative approaches to help the students develop the knowledge, skills, and attitudes to practice.

Community-oriented primary care (COPC) addresses the need to train practitioners in primary care practice that is community-responsive and that includes a public health perspective. It bridges the gap between academic medicine and the community it is designed to serve while fostering linkages among providers and community groups. It provides the structure for various members of a public health team, often isolated from one another within their own institutions, to share ideas that focus on the need for integrity and simplicity in a community

---

\* : ,

(Community-Oriented Primary Care):

responsive health care system. But perhaps most importantly, it restores the social contract between medicine and society.

---

**Key Words :** Medical education, Preventive medicine, Primary health care, Community health services

... , Greenlick 1 (1-  
to-n obligation) , 가  
29  
(acute care)  
(managed care) (preventive care)  
23  
, 가 22  
, 가, 가 42  
(prevention) 가 가  
62  
가  
21 가  
13  
가 ”31  
(community-oriented primary care)

<sup>2,6,25</sup>

(U.S. Preventive Services Task Force) 「 : 169 가」

1. (socialization)

(Association of Teachers of Preventive Medicine)

. Scott 가 가

가  
53 「 가 」 (The Boys i White)

2.

1)

가

(preventive medicine)  
(population-based medicine)

<sup>27</sup>

“ ”

가 ,

5

Charap

<sup>12</sup>

가 Hendrie Lloyd

<sup>32</sup>

<sup>60</sup> Blumenthal 1982

1992

가 105 99

<sup>11</sup>

14

6

가

<sup>20,21,51,53</sup>

15

2

. 1992

(Surgeon General) 가

141

28%가

<sup>31</sup>

(Association o

. 1987 1988

1991 1992

9%

American Medical Colleges) 「21

」 “

. Gottlieb Holman , ,

”

<sup>42</sup>

91%가

가 가

(Community-Oriented Primary Care):

가<sup>28</sup> , 2) <sup>52</sup>

1/8

가<sup>39</sup>

가<sup>30</sup> 1990

83

30

4

“ ” “ ” “ ”

Blumenthal

가 ( : )

가

가 1989 56%가

11

1993 가

(44%),<sup>57</sup>

(46%), (76%),

(68%)

3

3) 가

가

가

(14 26%)가

(Graduate Medical Education Directory)

“  
 19  
 ,  
 ,  
 가  
 ,  
 “  
 2)  
 47

56  
 (ambulatory care)가 가

39  
 3.  
 1)  
 가

1995 1996  
 가

1996	(LCME)*
124 4	86
(69%)가 가	
44 (35%),	37 (30%),
24 (19%),	17
(14%),	15 (12%)가
(17%)	22
(14%)	50 <sup>61</sup>

\*Liaison Committee on Medical Education:  
 (American Medical Association, AMA)  
 (Association of American Medical Colleges, AAMC)

가

(Community-Oriented Primary Care):

가  
(48%)

, 60 2)

가

, 3)  
3%

4)

<sup>50</sup>

5)

가

가 COPC

<sup>56</sup>

(risk management),

( , ,

), , ,

1.

2.

Primary Care: COPC) “

(Community Oriente

COPC

가

”

<sup>41</sup>

가

30

Sidney Kark

COPC

COPC

COPC가<sup>43</sup>

. COPC “

가

가

”

<sup>1</sup>

가

COPC

“ ”

COPC

가

( : )

COPC

( : )

<sup>58</sup>

(health maintenance organization),

(community health center),

<sup>55</sup>

COPC

57가

COPC

<sup>59</sup>

<sup>41</sup>

1)

Mullan

“ 가 ”

, COPC 가

가  
가  
(Institute of Medicine) COPC

COPC  
(  
COPC  
(  
“

...  
COPC  
New Pathway  
가

3.  
1) (性) (history)

가  
/

가  
2)  
3 4  
COPC  
가



가 ,

8

, ,

<sup>42</sup> Bentley

가

8

4.

. Kralewski

<sup>38</sup>

COPC  
COPC

가

, ,

<sup>34,35</sup>

10

, Fletcher Fletcher

가

가

가

payers”,

“all

가

<sup>40</sup>

<sup>24</sup>

, COPC

40

,

가

COPC

<sup>26,37</sup>

COPC

<sup>16,27,37</sup>

가

가

가

가

(Community-Oriented Primary Care):

(LCME)  
(Accreditation Council for  
Continuing Medical Education: ACCME),

가  
가  
가 (COPC)

48

COPC

가

가 46

가

가

(Community-oriented p

mary care: COPC)

가

1 1

가

- change. *Med Educ* 23:228-241, 1989
1. Abramson JH, Kark SL: *Community Oriented Primary Care: Meaning and Scope*. In: Con E., & Mullan, F (eds.): *Community Oriented Primary Care. Proceedings of a Conference Held Under the Auspices of the Institute of Medicine*. Washington, D.C.: National Academy Press, 1982
  2. Altekruze J, Goldenberg K, Rabin DL, Riegelman RK, Wiese WH: *Implementing the Association of Teachers of Preventive Medicine's recommendations into the undergraduate medical curriculum*. *Acad Med* 66:312-316, 1991
  3. Association of American Medical Colleges: *Academic Medicine and Health Care Reform*. Washington, D.C., 1994
  4. Association of Teachers of Preventive Medicine: *Directory and Profile of Academic Units in Preventive Medicine*. Washington, D.C., 1994
  5. Barker LR: *Curriculum for ambulatory care training in medical residency: ration attitudes, and generic proficiencies*. *J Gen Intern Med* 5:(Suppl.):s3-s14, 1990
  6. Barker WH, Jonas S: *The teaching of preventive medicine in American medical schools*. *Prev Med* 10:674-688, 1981
  7. Becker HS: *Boys in White: Student Culture at a Medical School*. Chicago, IL: University of Chicago Press, 1961
  8. Bentley JD, Knapp RM, Petersdorf RG: *Education in ambulatory care-financing is one piece of the puzzle*. *N Engl J Med* 320:1531-1534, 1989
  9. Bishop FM: *Prevention in medical education: preclinical content*. *Public Health Rep* 232-234, 1982
  10. Bloom SW: *The medical school as a social organization: the sources of resistance to change*. *Med Educ* 23:228-241, 1989
  11. Blumenthal DS: *Prevention in the medical curriculum: reform and opportunity*. *Am J Prev Med* 9:122-123, 1993
  12. Charap MH, Levin RI, Weinglass J: *Physician choices in the treatment of angina pectoris*. *J Med* 79:461-466, 1985
  13. Cohen SJ, Halvorson HW, Gosselink C: *Changing physician behavior to improve disease prevention*. *Prev Med* 23:284-291, 1994
  14. Colwill JM: *Where have all the primary care applicants gone?* *N Engl J Med* 326:387-392, 1992
  15. Connor E, Mullan F (eds.): *Community Oriented Primary Care. Proceedings of a Conference Held Under the Auspices of the Institute of Medicine*. Washington, D.C.: National Academy Press, 1982
  16. Delbanco TL, Calkins DR: *The costs of financing of ambulatory medical education*. *Gen Intern Med* 3(Suppl.):s34-s43, 1988
  17. Delnevo CD, Abatemarco DJ, Gotsch A: *Health behaviors and health promotion/disease prevention perceptions of medical students*. *Prev Med* 12:38-43, 1996
  18. Deuschle KW: *Community-oriented primary care lessons learned in three decades*. *J Comm Health* 8:13-22, 1982
  19. DeWit TG, Starr S: *Educating pediatric residents in community settings*. *Curr Opin Pediatr* 7:489-493, 1995
  20. Dornbush RL, Singer P, Brownstein EJ, Friman AM: *Measurement of psychosocial attitudes in medical students*. *J Med Educ* 59:59-61, 1984
  21. Dornbush RL, Singer P, Brownstein EJ, Friman AM: *Maintenance of psychosocial attitudes in medical students*. *Soc Sci Med* 20:107-115, 1985
  22. Eckholm E: *While Congress remains silent*

(Community-Oriented Primary Care):

- health care transforms itself. *The New York Times A1*, December 18, 1994
23. Elam CL, Wilson HD, Wilson EA, Schwartz Physicians for the 21st century: implications medical practice. *J Kentucky Med A* 93:247-249, 252, 1995
  24. Fletcher RH, Fletcher SW: *Managed care medical education*. *Lancet* 348:1004-1005, 1995
  25. Freymann JG: *The origins of disease orient in American medical education*. *Prev Med* 10:663-673, 1981
  26. Garg ML, Boreo JF, Christiansen RG, Boo CG: *Primary care teaching physicians lose productivity and revenue at three ambulatory care centers*. *Acad Med* 66:348-353, 1991
  27. Gavett JW, Mushlin AI: *Calculating the cost training in primary care*. *Med Care* 24:301-1986
  28. Gottlieb LK, Holman HR: *What's prevent more prevention?* *J Gen Intern Med* 7:630 1992
  29. Greenlick MR: *Educating physicians for population-based clinical practice*. *JAMA* 267:1 1648, 1992
  30. Havas S, Rixey S, Sherwin R: *The University of Maryland experience in integrating preventive medicine into the clinical medical curriculum*. *Public Health Rep* 108:332-339, 1993
  31. Healthy People: *The Surgeon General's Report on Health Promotion and Disease Prevention*. DHEW (PHS) Pub. No. 79-55071. Public Health Service, Washington, D.C.: U.S. Government Printing Office, 1979
  32. Hendrie HC, Lloyd C (eds.): *Educating Competent and Humane Physicians*. Bloomington, Indiana University Press, 1990
  33. Iglehart JK: *Physicians and the growth of managed care*. *N Engl J Med* 331:1167-1194, 1994
  34. Institute of Medicine: *Community-Oriented Primary Care: A Practical Assessment*, Vols. 1 & 2. Washington, D.C.: National Academy Press, 1984
  35. Institute of Medicine: *Community Oriented Primary Care: New Directions for Health Service Delivery*, Conference Proceedings. Washington, D.C.: Institute of Medicine, 1995
  36. Jonas S: *Health-oriented physician education*. *Prev Med* 10:700-709, 1981
  37. Kirz HL, Larsen C: *Costs and benefits of medical student training to a health maintenance organization*. *JAMA* 256:734-739, 1986
  38. Kralewski JE, Hart G, Perlmutter C, Chou: *Can academic medical centers compete in a managed care system?* *Acad Med* 70:867-1995
  39. Lawrence RS: *The goals for medical education in the ambulatory setting*. *J Gen Intern Med* 3:(Suppl.):s5-s25, 1988
  40. Madison DL: *The case for community-oriented primary care*. *JAMA* 249:1279-1282, 1983
  41. Mullan F: *Community-oriented primary care*. *Engl J Med* 307:1076-1077, 1982
  42. Muller S: *Physicians for the twenty-first century: report of the project panel on the general professional education of the physicians college preparation for medicine*. *J Med Educ* 59:Part 2, 1984
  43. Nutting PA (ed.): *Community-Oriented Primary Care: From Principle to Practice*. Washington, D.C.: U.S. Department of Health and Human Services, 1987
  44. Nutting PA, Wood M, Connor EM: *Community-oriented primary care in the United States: status report*. *JAMA* 253:1763-1766, 1985
  45. Ockene JK, Ockene IS, Kabat-Zinn J, Gre HL, Frid D: *Teaching risk-factor counseling skills to medical students, house staff,*

- fellows. Am J Prev Med 6:(Suppl. 1):35-39, 1990*
46. O'Neil EH: *Education as part of the health care solution. JAMA 268:1146-1148, 1992*
  47. O'Neil EH, Seifer SD: *Health care reform and medical education: forces toward generalist education. Acad Med 70:(Suppl.):s37-s43, 1995*
  48. Petersdorf RG, Turner KS: *Medical education in the 1990s-and beyond: a view from the United States. Acad Med 70(Suppl.):s41-s47, 1995*
  49. *Promoting Health/Preventing Disease: Objectives for the Nation. Public Health Service, Washington, D.C.: U.S. Government Printing Office, 1980*
  50. Redington TJ, Lippincott J, Litt M, Lindsay Wones R: *How an academic health center and a community health center found common ground. Acad Med 70:21-26, 1995*
  51. Rezler AG: *Attitude changes during medical school: a review of the literature. J Med Educ 49:1023-1030, 1974*
  52. Salive ME, Parkinson M: *Preventive medicine residents: a national survey. Am J Prev Med 7:445-449, 1991*
  53. Scott CS, Neighbor WE: *Preventive care attitudes of medical students. Soc Sci Med 21:299-305, 1985*
  54. Segall A, Barker WH, Cobb S, Jackson G, Callahan J: *A general model for preventive intervention in clinical practice. J Med Educ 56:323-333, 1981*
  55. Segall A, Barker WH, Cobb S, Jackson G, Noren J, Shindell S, Stokes J, Ericsson S: *Development of a competency-based approach to teaching preventive medicine. Prev Med 10: 726-735, 1981*
  56. Smith DR, Anderson RJ, Boumbulian PJ: *Community responsive medicine: defining an academic discipline. Am J Med Sci 302:313-319, 1991*
  57. Taylor WC, Moore GT: *Health promotion and disease prevention: integration into a medical school curriculum. Med Educ 28:481-487, 1984*
  58. Taylor WC, Pels RJ, Lawrence RS: *A first-year problem-based curriculum in health promotion and disease prevention. Acad Med 64:673-679, 1989*
  59. Thomas CP, Cashman S, Fulmer H: *The curriculum committee: setting the stage for community-oriented responsive care. Am J Prev Med 11:9-18, 1995*
  60. U.S. Preventive Services Task Force: *Guidelines for Clinical Preventive Approaches: An Assessment of the Effectiveness of 169 Interventions. Baltimore, MD: Williams & Wilkins, 1989*
  61. Veloski J, Barzansky B, Nash DB, Bastacky J, Stevens DP: *Medical student education in managed care settings. JAMA 276:667-671, 1996*
  62. Wilkes MS, Slavin SJ, Usatine R: *Doctoring a longitudinal generalist curriculum. Acad Med 69:191-193, 1994*