

Preventive Medicine & Public Health in Yonsei

Dept. of Preventive Medicine, Yonsei University College of Medicine

Dept. of Public Health, Yonsei University Graduate School

Graduate School of Public Health, Yonsei University

2019.3.



연세대학교
YONSEI UNIVERSITY

History of Yonsei University

1885. 4. 10	Kwanghyewon (Dr.Allen)
4. 26	Chejungwon
1893. 11.	Dr. Avison was appointed
1904	Severance Hospital
1913	Severance Union Medical School
1957	Yonsei University

1885 제중원 창립

1904 세브란스병원

1913 세브란스의학교

2005 세브란스병원



Dept. of Preventive Medicine, since 1925

Dept. of Public Health, since 1967

Department of Preventive Medicine, since 1925

- Dr. Chang Sei Kim (1893-1934)

- 1916 Graduated Severance Union Medical School (SUMC).
- 1920 Entered Johns Hopkins University Graduate School .
- 1925 **Dr. Public Health, Johns Hopkins School of Public Health.**
“Some chemical and biological studies of the Myung bean, Phassolus Aureus Roxburgh.”
- 1925 Established **Department of Hygiene** at SUMC.
- 1925-27 Chair and professor, Department of Hygiene.
- 1934.3.14 Died in New York (Aged 41).



Department of Preventive Medicine, since 1925

- Dr. Chang Sei Kim

1916 Opened his office in Yonggang.

1918 Worked for Red Cross Society of China at Shanghai.

1919 Organized Red Cross Society of Korea.

- Provided programs to train military medical officers and nurses.

1921 Auditing director of Red Cross Society of Korea.

1932 Protested for release of Chang-ho Ahn with Korean National Association at Baltimore, US.



(Thesis written by Dr Changse Kim.)



(News Articles about Dr. Changse Kim)



(Article written by Dr. Changse Kim at Donggwang)

Department of Preventive Medicine, since 1925

- Lectures on public health:
 - 1927-1933 D. B. Avison (Pediatrics & Hygiene)
 - 1934 Nakamura (Microbiology & Hygiene)
 - 1936 Young-Tae Choi (Microbiology & Hygiene)

Department of Preventive Medicine, since 1925

- Prof. Sang-Hwang Shim (2nd Chair, 1946-56)

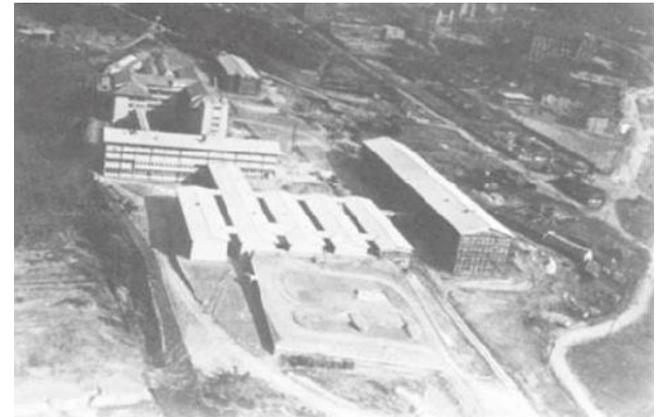
1946 Rebuild [Department of Hygiene](#) with Jae-mo Yang(4th grade), Suk-ki Hong(3rd grade)

- Prof. Jae-Mo Yang (3rd Chair, 1956-72)

1948 Graduated Severance Union Medical School

1955 MPH, University of Michigan school of public health

1962 Renamed to [Department of Preventive Medicine](#)



1962 Sinchon campus

Research in Population & Family Planning

- 1961 Founded Planned Population Federation of Korea (Prof. Jae-Mo Yang)
- 1962 First research on family planning in Korea.
 - Collaboration between sociologists, economists and statisticians.
 - First interdisciplinary research in Korea.
- 1968 Research Center for Population and Family Planning.
 - Research and education programs for population and family planning.



Marshall C. Balfour (left), V. H. Whitney (right) from Population Association from America visiting Goyang public health center, 1963 (Jae Mo Yang (left), Sook Bang (middle), Myung Ho Kim (right) at the back row.)

Research in Environment & Pollution

- 1968 Founded the Institute for Pollution Research.
 - 1st director: Sook Pyo Kwon.
 - First research center oriented to pollution research.
 - Acted as a sentinel for pollution and environmental problems.
- 1981 Institute for Environment Research.
 - Responded and solved major environmental issues in Korea.
 - International collaboration and academic program.



Institute for Environmental Research(1989)

Community Healthcare

- Efforts to establish medical delivery system.
 - Domestic health agent program.
- 1975 Kangwha community health center.
 - First community medicine education with concrete theoretical basis and clerkship program.
- Applied theories & methods of community medicine to Korean rural areas.
- 1976 Founded Health Insurance Union.
- 1981 Kangwha Hospital.
- 1982 Health insurance program pilot project.



Kangwha Community Health Center

Research in Occupational Health

- 1978 Founded Institute for Occupational Health.
 - Prof. Young Han Moon (1929-2008)
- 1982 Incheon Hospital for Occupational Health.
- 1995 Occupational Health Center, Incheon Severance Hospital.
- 1996 Occupational Medicine Board program.
- 1999 Occupational Health Center, Severance Hospital.
- 2010 Remodeled Occupational Health Center, Incheon.
- 2011 Founded Incheon Worker's Health Center.
- 2018 Department of Occupational Health, Severance Hospital.

Researches in Epidemiology

- 1983 Kangwha Cohort & Kangwha Cancer Registration program.
- 1986 Kangwha Study
- 1990 Korea Medical Insurance Corporation (KMIC) Study
- 2003 Korean Genome and Epidemiology Study (KoGES)
- 2013 Cardiovascular and Metabolic Diseases Etiology Research Center (CMERC)

Researches in Healthcare Management

- Researches in public health politics:
 - Health insurance payment systems.
 - DRG (diagnosis-related group), New-DRG.
 - Healthcare delivery systems.
 - Economic evaluation on medical technologies, pharmaceuticals and medical equipment.
- Researches in hospital management:
 - Characteristics of hospital organization.
 - Optimization of hospital facilities, manpower and medical services.
 - Strategic planning, marketing, and developing management models for hospital.

Divisions of Preventive Medicine

Epidemiology

- Epidemiologic researches on diseases (cancer, cardiovascular diseases,...)

Healthcare management

- Public health policies, hospital management, international cooperation for public health.

Occupational/ Environmental Medicine

- Prevention of occupational diseases caused by toxic components in workplaces.
- Health management in workplaces.
- Effects of environmental pollution on human and ways to prevent their negative health effects.

Centers in Department of Preventive Medicine

Institute of Health Services Research

- Founded in 1968.
- WHO Collaborating Center since 1989.
- Topics: Public health policies, hospital management, public health informatics.

Institute for Environmental Research

- Founded in 1968.
- Topics: Environmental impact assessment,, environmental policy
- 10-year plan for environmental health.

Institute for Occupational Health

- Founded in 1978.
- Topics: Biological monitoring of carcinogens, In-depth environment assessment, Workplace health management, Exposure criteria for chemicals, Occupational disaster coverage, musculoskeletal diseases.

Former Chairs of Dept. of Preventive Medicine



Chang Sei Kim
1925~1927



Sang-Hwang Shim
1946~1956



Jae Mo Yang
1956~1972



Myung Ho Kim
1972~1976



Il Soon Kim
1976~1984



Seung Hum Yu
1984~1990



Han Joong Kim
1990~1998



Hee Chul Ohrr
1998~2002



Il Suh
2002~2006



Dong Chun Shin
2006~2010



Jae Hoon Roh
2010~2014



Eun Cheol Park
2014~2018

Department of Public Health

Department of Public Health, since 1967

- 1967. 2 Founded
- 1969. 2 Won-Jung Kim & Yong Jung graduated.
- 1969. 9 Bang-Boo Yoon, Myung-Ja Park & Hee-Ja Yang graduated.
- ...
- 2018 469 Graduates
(257 masters, 212 doctors)

Former Chairs of Dept. of Public Health

1st: Jae Mo Yang (1967. 3 - 1973. 2)

2nd: Sook Pyo Kwon (1973. 3 - 1975. 2)

3rd: Myung Ho Kim (1975. 3 - 1981. 2)

4th: Dong Woo Lee (1981. 3 - 1985. 2)

5th: Seung Hum Yu (1985. 3 - 1989. 2)

6th: Han Joong Kim (1989. 3 - 1998. 1)

7th: Hee Chul Ohrr (1988. 2 - 2002. 2)

8th: Il Suh (2002. 3 - 2006. 2)

9th: Dong Chun Shin (2006. 3 - 2010. 2)

10th : Jae Hoon Rho (2010. 3 - 2014. 2)

11th: Eun Cheol Park (2014. 3 - 2018. 2)

12th: Hyeon-Chang Kim (2018. 3 -)

Graduate School of Public Health, since 1977 (Specialized Graduate School)

- History

- 1977. 1. 15 Authorization for establishment.
50 day-time & 50 night-time students.
- 1979. 2. 19 First graduation.
- 2003. 10. 22 Founded International Cyber-University of Public Health.
- 2011. 10. 20 43rd APACPH grand meeting.
- 2017. 8.17-19 49th APACPH grand meeting.

Faculty Members

Department of Preventive Medicine

Il Suh (Epidemiology)
Myongsei Sohn (Healthcare management)
Dong Chun Shin (Environmental health)
Jung Mo Nam (Biostatistics)
Eun Cheol Park (Healthcare management)
Jong-Uk Won (Occupational Medicine)
Chang Soo Kim (Environmental health)
Hyeon-Chang Kim (Epidemiology, Chair)
Jin Ha Yoon (Occupational Medicine)
Sung In Jang (Healthcare management)
Sun Jae Jung (Epidemiology)

Graduate School of Public Health

Woojin Chung (Healthcare policy)
Sun Ha Jee (Epidemiology)
Sang Gyu Lee (Healthcare management)
Sohee Park (Biostatistics)
Heejin Kimm (Health promotion)
Tae Hyun Kim (Hospital management)

Department of Medical Law & Ethics

So Yoon Kim (Medical law & Ethics)
Il Hak Lee (Medical law & Ethics)

Department of Biostatistics

Inkyung Jung (Biostatistics)

The background of the slide is a clear, bright blue sky. At the bottom and along the left and right edges, there are green trees, including a prominent pine tree on the left and a large, leafy tree on the right.

Department of Public Health School Rules

Timetable for Spring Semester, 2019

2019-1st Semester Timetable(Dept. of Public Health)

Class Period	Time	MON	TUE	WED	THU	FRI	
1st	09:00~09:50		<u>08:30-09:30</u> Journal Review in Health Policy and Management I YPH7041(Park, Eun Cheol) lecture room 433	<u>08:30-09:30</u> Review with comments of occupational health articles I YPH7044(Won, Jong-Uk) 450 lecture room	<u>08:30-09:30</u> Journal review of Emerging themes in Epidemiology and Environmental Health I YPH7042(Jung, Sun Jae) lecture room 433		
2nd	10:00~10:50		<u>10:00-13:00</u> Health Policy and Management YPH8003(Park, Eun Cheol) lecture room 433	<u>09:00-12:00</u> Comparative Health Care Policy and Law YPH7025(Kim, So Yoon) lecture room 402			
3rd	11:00~11:50						
4th	12:00~12:50						
5th	13:00~13:50					<u>13:00-16:00</u> Epidemiology YPH6001(Jung, Sun Jae) lecture room 433	
6th	14:00~14:50	<u>13:30-16:30</u> Occupational Epidemiology YPH7030(Yoon, Jin Ha) lecture room 433	<u>14:00-17:00</u> Biostatistics YPH6004(Nam, Jung Mo) lecture room 211	<u>14:00-16:30</u> Environmental Toxicology YPH7013(Shin, Dong Chun) lecture room 402	<u>13:30-16:30</u> Social History of Korean Health Care YPH7043(Sohn, Myong Sei) lecture room 433		<u>14:00-17:00</u> Pathophysiology of Occupational Diseases I YPH7042(Yoon, Jin Ha) lecture room 433
7th	15:00~15:50				<u>15:30-18:00</u> Epidemiology of Chronic Degenerative Disease YPH8013(Jee, Sun Ha) lecture room 433		
8th	16:00~16:50						
9th	17:00~17:50	<u>16:30-17:30</u> Public Health Research Seminar I,V (YPH6007,8009) lecture room 331		<u>16:30-19:30</u> Industrial Health Care YPH7001(Won, Jong-Uk) lecture room 402	<u>16:30-19:30</u> Environmental Epidemiology YPH7022(Kim, Chang Soo) lecture room 450		
10th	18:00~18:50						

YPH7999 Directed Research I, YPH9999 Directed Research II, YPH7007 Individual Study I, YPH9002 Individual Study IV

Courses in Public Health

• Spring Semester (as of 2019)

- Epidemiology (obligatory).
- Biostatistics (obligatory).
- Public Health Research seminar (obligatory).
- Epidemiology of chronic degenerative disease.
- Environmental toxicology.
- Environmental epidemiology.
- Industrial healthcare.
- Occupational epidemiology.
- Pathophysiology of occupational diseases.
- Health policy and management.
- Healthcare reimbursement.
- Social history of Korean healthcare.

• Fall Semester (as of 2018)

- Public health research methods (obligatory).
- Epidemiologic research methods (obligatory).
- Public Health Research seminar (obligatory).
- Advanced biostatistics.
- Genetic epidemiology.
- Social epidemiology.
- Planning and evaluating health promotion programs.
- Causal inference in epidemiology.
- Environmental health.
- Worker's compensation.
- Occupational disease care.
- Health insurance.
- Healthcare accounting and finance.
- The study of public law system.

Required Credits

- For Masters course & PhD course: 30 credits
- For Integrated course: 54 credits
- Maximum enrollment: 12 credits per semester.
- All students must acquire at least 2/3 of required credits from public health courses.
 - However, subjects from other departments could be accredited as major course credits if they are related to public health topics.
- Doctorate course students who did not acquire credits from biostatistics, epidemiology, and public health research methods should enroll into these lectures as ‘audits’.

Qualification Exam for Graduation

● Masters course

- **Qualifications** : Completed essential courses + acquired 24 credits.
- **Test subjects** : Public health research methods + selected 1 major course subjects.

● PhD course

- **Qualification** : $\geq 3^{\text{rd}}$ semester, completed essential courses + acquired 21 credits.
- **Test subjects** : Epidemiologic research methods + selected 2 major course subjects.

● Integrated course

- **Qualification** : $\geq 4^{\text{th}}$ semester, completed essential courses + acquired 45 credits.
- **Test subjects** : Epidemiologic research methods + selected 2 major course subjects.

Thesis

- **Research plan presentation**

3rd semester in Masters course, 4th semester in Doctorate course, 5th semester in Integrated course.

- **Thesis**

Scripts must be written in English since 2nd semester, 2006.

- **For PhD course & Integrated course students:**

1 or more articles with first authorship on SCI(E)/SSCI journals required.

- **Diplomas:**

Master of Public Health.

Ph.D. in Public Health.

Graduate Students

- Currently 59 students are studying
 - Masters course (15)
 - Doctorate course (22)
 - Integrated course (17)
 - Temporary leave (5)
- Student Council:
 - President of the student council.
 - Representative student of the department.

Annual Spring Hiking (2018.4.28)



Teacher's Day with Emeritus Professors (2018. 5. 15.)



Workshop (2018.8.27) – Seoul's Modern Historic Sites



Year-end Party (2018.12.13)



Annual Achievement Presentation Day (2018.12.28)



Financial support

For outbound students (from Yonsei)

Item	Osaka University	Peking University
Scholarship	Exemption of tuition for exchange university & monthly scholarship 80,000 JPY	Exemption of tuition for exchange university
Accommodation	Dormitory expenses supported, free breakfast & dinner offered at dormitory if available	Free on-campus accommodations (Peking University Health Science Center Master Inn or international student dormitory)
Airfare	Variable depending on the grand available	Supported by Yonsei

*Yonsei will start exchange with Shanghai Jiao Tong University / Tianjin University of Traditional Chinese Medicine. Both schools are expected to support similarly in detail with Peking University.

Financial support

For inbound students (to Yonsei)

Item	Osaka University	Peking University
Scholarship	Exemption of tuition for exchange university - Monthly scholarship 900,000 KRW (graduate) - Monthly scholarship 800,000 KRW (undergraduate)	
Accommodation	Chejung dormitory (double) expenses supported	
Airfare	Supported by Osaka University	Supported by Yonsei
Language class	Korean Language Institute provided	
Social activity	Korean traditional culture program	

Status of **undergraduate medical student** exchange

Period	Outbound		Inbound	
	To Japan	To China	From Japan	From China
2016.11 ~ 2017.02				
2017.03 ~ 2018.02	3		3	3
2018.03 ~ 2019.02	3	3	2	
Sub-total	6	3	5	3
Total	9*		8	

* 2 ~ 8 weeks, 5 students on the 'Elective Characterization Course'

Status of student exchange

Period	Outbound		Inbound	
	To Japan	To China	From Japan	From China
2016.11 ~ 2017.02	2		1	
2017.03 ~ 2018.02	6	1	7	16
2018.03 ~ 2019.02	4	4	10	9
Sub-total	12	5	18	25
Total	17		43	



Thank You