



MATERNAL & CHILD HEALTH MAJOR—M.P.H.



UNIVERSITY OF MINNESOTA

School of Public Health

The Maternal and Child Health (MCH) curriculum is comprehensive, emphasizing scientific knowledge of the field as well as skills in methodology and analysis, management and communication, and policy and advocacy. Faculty members in MCH work collaboratively with faculty throughout the University, with particularly strong linkages to the adolescent health program in the Medical School, the School of Nursing, the Department of Family Social Science, and the Institute of Child Development.

For more information about the Maternal and Child Health Major

Web site: www.epi.umn.edu

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School of Public Health, Student Services Center, and application informa- tion and materials

Web site:
[www.sph.umn.edu/
students/application/](http://www.sph.umn.edu/students/application/)
E-mail: sph-ssc@umn.edu
Phone: (612) 626-3500
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Fax: (612) 624-4498

Program Curriculum

There are three programs within the Maternal and Child Health major.

- The Standard program has a 48-credit minimum.
- The MCH Epidemiology program has a 48-credit minimum and those admitted into this program must demonstrate stronger quantitative skills than students applying to the standard program. This program is designed for students who have a strong interest in pursuing a career that will involve data collection, management, and analysis.
- The 42-credit online program is designed for individuals with an advanced degree (e.g., M.D., M.S., M.S.W., M.Ed.) or individuals without an advanced degree who have at least three years of relevant experience.

Standard Program Curriculum

Scientific Basis of MCH (8 credits)

4 courses from the following list:

Reproductive and Perinatal Health (*PubH 6605, 2 credits*)
Children's Health: Issues, Programs and Policies (*PubH 6606, 2 credits*)
Adolescent Health: Issues, Programs and Policies (*PubH 6607, 2 credits*)
Chronic Illness/Disability in Childhood: Principles, Programs and Policies (*PubH 6613, 2 credits*)
Families and Health: An Ecosystems Approach (*PubH 6645, 2 credits*)
Women's Health (*PubH 6675, 2 credits*)
Maternal and Infant Nutrition (*PubH 6902, 2 credits*)
Child and Adolescent Nutrition (*PubH 6903, 2 credits*)

Methodological and Analytical Skills (8–14 credits)

Program Evaluation for Public Health Practice (*PubH 6034, 3 credits*)

3 courses from the following list:

Applied Research Methods (*PubH 6035, 3 credits*)
Data Processing with PC-SAS (*PubH 6325, 1 credit*)
Epidemiology II (*PubH 6331, 4 credits*)
Epi Methods: Data Collection (*PubH 6345, 2 credits*)
Biostatistical Methods II (*PubH 6415, 3 credits*)
Biostatistics II (*PubH 6451, 4 credits*)

Practical Methods for Secondary Data Analysis (*PubH 6617, 3 credits*)
Community Health Assessment (*PubH 6705, 2 credits*)
Principles of Public Health Research (*PubH 6806, 2 credits*)
Critical Review of Research in Public Health Nutrition (*PubH 6910, 1 credit*)

Management and Communication Skills (1 credit)

Grant Writing for Public Health (*PubH 6673, 1 credit*)

Policy and Advocacy Skills (3 credits)

Foundations of Maternal and Child Health Leadership (*PubH 6630, 3 credits*)

Additional Courses in Management, Policy, or Advocacy (2–3 credits)

1 course from the following list:

Building Communities, Increasing Health: Preparing for Community Work (*PubH 6066, 2 credits*)
Mass Communication and Public Health (*PubH 6074, 3 credits*)
Public Health Policy as a Prevention Strategy (*PubH 6078, 2 credits*)
Health Care Finance (*PubH 6558, 2 credits*)
Advocacy and Children's Rights (*PubH 6634, 2 credits*)
Health Leadership and Effecting Change (*PubH 6727, 2 credits*)

Public Health Core (14–17 credits)

Fundamentals of Social and Behavioral Science (*PubH 6020, 3 credits*)
Environmental Health (*PubH 6101, 2 credits*) **or**
Issues in Environmental and Occupational Health (*PubH 6102, 2 credits*)
Fundamentals of Epidemiology (*PubH 6320, 3 credits*) **or**
Epidemiologic Methods I (*PubH 6341, 3 credits*)
Biostatistical Methods I (*PubH 6414, 3 credits*) **or**
Biostatistics I (*PubH 6450, 4 credits*)
Ethics in Public Health: Professional Practice and Policy (*PubH 6741, 1 credit*) **or**
Ethics in Public Health: Research and Policy (*PubH 6742, 1 credit*)
Principles of Management in Health Services Organizations (*PubH 6751, 2 credits*) **or**
Public Health Management (*PubH 6752, 3 credits*)

see next page

MATERNAL & CHILD HEALTH MAJOR—M.P.H. *continued*

Electives (Up to 9 credits)

Field Experience and Master's Project (4 credits)

Field Experience (PubH 7696, 2 credits)

Master's Project (PubH 7694, 2 credits)

MCH Epidemiology Program Curriculum

Scientific Basis of MCH Epidemiology (6 credits)

One of the following two courses:

Reproductive and Perinatal Health (PubH 6605, 2 credits)

Women's Health (PubH 6675, 2 credits)

One course from the following list:

Genetics in Public Health (PubH 6381, 2 credits)

Epidemiology and Control of Infectious Diseases (PubH 6385, 2 credits)

Public Health Aspects of Cardiovascular Disease (PubH 6386, 2 credits)

Cancer Epidemiology (PubH 6387, 2 credits)

Nutritional Epidemiology (PubH 6389, 2 credits)

One course from the following list:

Children's Health: Issues, Programs and Policies (PubH 6606, 2 credits)

Adolescent Health: Issues, Programs and Policies (PubH 6607, 2 credits)

Chronic Illness and Disability in Childhood: Principles, Programs and Policies (PubH 6613, 2 credits)

Families and Health: An Ecosystems Approach (PubH 6645, 2 credits)

Maternal and Infant Nutrition (PubH 6902, 2 credits)

Child and Adolescent Nutrition (PubH 6903, 2 credits)

Methodological and Analytical Skills (13 credits)

Epidemiologic Methods II (PubH 6342, 3 credits)

Epidemiologic Methods III (PubH 6343, 4 credits)

Epidemiologic Methods IV (PubH 6344, 2 credits)

Biostatistics II (PubH 6451, 4 credits)

Management and Communication Skills (1 credit)

Grant Writing for Public Health (PubH 6673, 1 credit)

Policy and Advocacy Skills (5–6 credits)

Foundations of Maternal and Child Leadership (PubH 6630, 3 credits)

One course from the following list:

Building Communities, Increasing Health: Preparing for Community Health Work (PubH 6066, 2 credits)

Mass Communication and Public Health (PubH 6074, 3 credits)

Public Health Policy as a Prevention Strategy (PubH 6078, 2 credits)

Advocacy and Children's Rights (PubH 6634, 2 credits)

Public Health Core (15–16 credits)

Fundamentals of Social and Behavioral Science (PubH 6020, 3 credits)

Environmental Health (PubH 6101, 2 credits) **or**

Issues in Environmental and Occupational Health (PubH 6102, 2 credits)

Epidemiologic Methods I (PubH 6341, 3 credits)

Biostatistics I (PubH 6450, 4 credits)

Ethics in Public Health: Professional Practice and Policy (PubH 6741, 1 credit) **or**

Ethics in Public Health: Research and Policy (PubH 6742, 1 credit)

Principles of Management in Health Services Organizations (PubH 6751, 2 credits) **or**

Public Health Management (PubH 6752, 3 credits)

Electives (5–6 credits)

Electives should be taken in an area of concentration and approved by the advisor.

Field Experience and Master's Project (4 credits)

Field Experience (PubH 7696, 2 credits)

Master's Project (PubH 7694, 2 credits)

MCH Online Program Curriculum

Scientific Basis of MCH (5-credit minimum)

Immigrant Health Issues (PubH 6281, 3 credits)

Social Inequalities in Health (PubH 6xxx, 1 credit)

Reproductive and Perinatal Health (PubH 6605, 2 credits)

Race, Class, and Family Formation (PubH 6628, 1 credit)

Biological Basis of Public Health (PubH 66xx, 2 credits)

Life Course Development (PubH 66xx, 2 credits)

Maternal and Infant Nutrition (PubH 6902, 2 credits)

Child and Adolescent Nutrition (PubH 6935, 2 credits)

Child/Adolescent Obesity (PubH 6909, 1 credit)

Additional 1-credit courses are offered through the Public Health Institute held annually in May.

Methodologic & Analytic Skills (5 credits minimum)

Program Evaluation (PubH 6852, 2 credits)

Plus at least 3 credits from the following list:

Hands-On SAS Programming (PubH 6325, 1 credit)

Community Based Program Evaluation (PubH 7200, 1 credit)

Focus Group Interviews (PubH 7200, 1 credit)

Data Analysis from Focus Groups (PubH 7200, 1 credit)

Health Data: Community Perspective (PubH 7200, 1 credit)

Additional 1-credit courses are offered through the Public Health Institute held annually in May.

Management, Communication, Policy/Advocacy Skills (6 credits minimum)

Grant Writing (Nurs xxxx, 1 credit)

Principles and Programs of MCH in the U.S. (PubH 6630, 2 credits)

Public Health is a Team Sport: The Power of Collaboration (PubH 6299, 1.5 credits)

Plus at least two credits from the following list:

Advocacy and Children's Rights (PubH 6634, 2 credits)

Foundations of Public Health (PubH 6700, 2 credits)

Motivational Interviewing (PubH 6005, 1 credit)

Health Leadership and Effecting Change (PubH 6727, 2 credits)

Healthcare Financial Management: Public Sector (PubH 6760, 2 credits)

Culturally Responsive Leadership and Management (PubH 7200, 1 credit)

Additional 1-credit courses are offered through the Public Health Institute held annually in May.

Public Health Core (15 credits)

Fundamentals of Behavioral and Social Science (PubH 6020, 3 credits)

Issues in Environmental and Occupational Health (PubH 6102, 2 credits)

Fundamentals of Epidemiology (PubH 6320, 3 credits)

Biostatistical Methods I (PubH 6414, 3 credits)

Ethics in Public Health: Professional Practice and Policy (PubH 6741, 1 credit)

Public Health Management (PubH 6752, 3 credits)

Field Experience and Master's Project (4 credits minimum)

Master's Project (PubH 7694)

Field Experience

Electives

Students take up to 7 credits in an area of concentration approved by their advisor.

