

Master's Essay Guidelines
Academic Year 2012/2013
Department of Health Policy & Management
University of Pittsburgh Graduate School of Public Health
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1. General Description of Master's Essay Requirement for PITT GSPH Students

All MPH and MHA students must complete a 2-credit Master's Essay to satisfy the Graduate School of Public Health's (GSPH) graduation requirements for an integrative experience. Furthermore, for MHA students, the essay requirement fulfills a requirement for the Commission on Accreditation of Healthcare Management Education (CAHME) as an "applied and integrative learning" experience.

2. Rationale for Master's Essay

The GSPH Master's Essay is required to fulfill the Council for Education in Public Health (CEPH) accreditation requirement that all the professional degree programs in the school require an integrative experience. This experience provides the student an opportunity to synthesize and apply the knowledge, methods and practices learned in the curriculum in the form of a scholarly essay, based on the student's independent research. The MHA Program's accreditation body, CAHME, requires that MHA curricula must provide an integrative experience with relevance to the world of practice that provides students an opportunity to synthesize and apply the knowledge, competencies and tools developed in their program of studies. The HPM faculty has determined that completing a management or organizational policy project associated with the student's Management Residency site serves this purpose. **Exceptions must be approved by the student's Primary Essay Advisor, and either the HPM Director of Health Management Education or the HPM Department Chair.** An example of an acceptable exception occurs when a student evaluates a project associated with non-residency healthcare experience. Likewise, a student may conduct graduate-level research on a healthcare policy or healthcare management issue. Both of these exceptions still require that the student synthesize and apply the knowledge, competencies, and tools developed in their program of study.

For both MPH and MHA students, completion of the Essay requirement includes an approved written Essay that must attain the level of quality that satisfies standards of submission for publication in a healthcare-focused journal, and an accompanying satisfactory presentation. The presentation should be delivered to the Essay committee, which typically consists of at least one executive-level decision maker at the residency / practicum organization, or comparable organization. This will be assured by the students working closely with the HPM faculty member serving as the Primary Essay Advisor, and by adhering to key progress benchmarks throughout the process leading to a formal oral presentation and defense before the Essay Committee. Identification of a targeted outlet (e.g., journal, conference) and the associated requirements for publication and/or presentation should occur **at the outset of the essay process.**

3. General Comments

3.1. Essay Topic

The focus and content of the Essay should be relevant to the disciplinary base of the student's degree program, and problems or issues relevant to the profession. **Furthermore, the student must explicitly justify the public health relevance of the study to meet CEPH-related compliance issues.** The specific content and design of the project should be guided by the student's professional interests and career development goals, and should be finalized in collaboration with his/her Essay Committee.

3.2. Essay Design & Methodology

The topic, design and methodology must be approved by the student's Essay Committee before the student proceeds with the study. Approval is determined by submission and authorized signature of the Master's Essay Proposal Form (revised in the fall of 2011) by each of the Essay Committee members. As a default, IRB approval must also be obtained and documented, including determination that the essay does not constitute research or is Exempt from IRB Review. Furthermore, the design, methodology, and interpretation of the results must be justified in the written Essay and oral presentation.

4. Scope of Essay

4.1. MHA Essays

To conform to the Department of Health Policy & Management's (HPM) interpretation of CAHME curricular requirements, MHA students are expected to write an Essay related to their Management Residency in cooperation with an on-site sponsor, mentor or supervisor. Although the domain of issues and problems to be addressed is quite broad, the project must be relevant to the mission of the MHA Program and to the needs and interests of the sponsoring organization.

The design and methods appropriate for the study will depend upon the nature of the problem or issue to be addressed, and to some extent, the sponsor's expectations and/or constraints. Given the *integrative* nature of this Essay requirement, the project should utilize a defensible approach to addressing the problem / issue, including the selection of an appropriate study design and set of analyses. This Essay approach should be selected from the methods covered in the HPM MHA core. Among the designs that are likely to be appropriate are a case study (either of one organization or a comparison of multiple organizations), an evaluation of a public policy that affects health care providers, a market analysis and business plan proposal, and an analysis of a quality improvement project.

Exceptions:

1. MHA students who exempt the Residency requirement based on their extensive professional experience and/or full-time employment status must fulfill the Essay requirement. However, they will be permitted to develop a similar project at an organization contingent upon approval from both the HPM faculty member serving as their Primary Essay Advisor, and either the HPM Director of Health Management Education or the HPM Department Chair.
2. MHA students who wish to fulfill their Essay requirement focusing on an organization not connected to their residency, or via a design that does not focus on any one particular organization (e.g., an evaluation of a public policy that affects health care providers) must obtain approval from the HPM faculty member serving as their Primary Essay Advisor and either the HPM Director of Health Management Education or the HPM Department Chair.
3. MHA students who wish to fulfill their Essay requirement focusing on an applied research project unrelated to their residency may be permitted pending review and approval from the HPM faculty member serving as their Primary Essay Advisor and either the HPM Director of Health Management Education or the HPM Department Chair. The topic of the research project should be a healthcare policy or healthcare management issue. Both of these exceptions still require that the student synthesize and apply the knowledge, competencies, and tools developed in their program of study.

4.2. MPH Essays

MPH students in the Department of Health Policy & Management (HPM) must adhere to the Master's Essay requirements based on the Graduate School of Public Health's (GSPH) compliance with CEPH

curricular requirements for the MPH degree. Although the MPH student has considerable latitude in selecting a focus of the Essay, the essay must represent an integrative experience that should be grounded in the topics and methods covered in the HPM MPH core curriculum. The focus may be on a public policy issue, patient problem, or healthcare organizational problem that affects individual, community, regional, national, and/or global health. Among the alternative approaches that might be appropriate for designing the study are hypothesis testing (e.g., a quasi-experimental design), a position / advocacy statement and justification, a public policy analysis, a program / project evaluation, a case study (single or comparative), a meta-analysis or systematic literature review, and a grant proposal (for external funding). Although MPH students are also encouraged to complete an applied study associated with their Practicum or Residency site, this is not required.

5. Committee Composition

GSPH academic policy requires that the Master's Essay research be guided by a faculty Committee comprising the student's Primary Essay Advisor and at least one other faculty member within the University whose primary academic appointment resides outside his/her home Department. The Primary Essay Advisor for HPM students must be among the HPM's designated core faculty (i.e., the faculty member must have a primary appointment in HPM) while the "Second Reader" must have a primary appointment in another academic unit with the University of Pittsburgh.

For the MHA Master's Essay, the student must have a "Third Reader." The MHA student's on-site project sponsor, mentor or supervisor in the host organization (usually the Residency or Practicum site) will be encouraged to serve on the Essay Committee as the Third Reader, though the Primary Essay Advisor can approve of a Third Reader who is a practicing health care professional not from the host organization.

For the MPH Master's Essay, a Third Reader may also be appropriate as a content expert or on-site sponsor, depending upon the nature of the study, but this is not a requirement.

Ultimately, the GSPH Office of Student Affairs must approve of the Essay Committee, so obtaining the signatures of the Essay Committee members does not constitute official approval. In other words, only the signature of the GSPH Assistant Dean for Student Affairs certifies the Essay Committee.

6. Process Guidelines

All full-time MHA and MPH students will register for the 1st credit of their two-credit Master's Essay requirement in the second (spring) term of their first year in the program. This will be structured as a half-term in-class course that will address HPM expectations and procedures, research study design and methods, the IRB review process, library and information resources, effective academic writing, manuscript formats, and other issues to assist the student in designing and implementing an essay project of professional quality. Students will typically register for the final (i.e., second) Essay credit in the semester in which they expect to complete the work.

6.1. Proposal Form

MHA Students (full-time) are expected to have identified a project during their Management Residency by the beginning of the Fall Term of their 2nd year. In order to complete their Essay projects in time to meet University and GSPH deadlines, students are required to obtain approval for their project by no later than the beginning of Fall Break in Year 2 (October 8, 2012). The approval process includes submitting a proposal outline and the Master's Essay Proposal Form to the proposed Essay

Committee, and obtaining signatures on the Proposal Form, including the HPM Director of Health Management Education or the HPM Department Chair, and the Assistant Dean for Student Affairs.

MPH Students (full-time) who follow a two-year (five-term) schedule and intend to graduate in April should observe the same time line of critical dates as full-time MHA students. In contrast, MPH students who follow a four-term schedule (i.e., with the intention of graduating in December), must accelerate the process for completing their Essay. Accordingly, MPH students must submit their proposal outline and form with signatures no later than the end of the Add/Drop period, at the beginning of their fall term of their second year (** Update: September 21, 2012**). The approval process includes submitting a proposal outline and the Master's Essay Proposal Form to the proposed Essay Committee, and obtaining signatures on the Proposal Form, including the HPM Director of Health Management Education or the HPM Department Chair, and the Assistant Dean for Student Affairs.

6.2. Deadlines

The revised essay process first implemented in the spring term 2012 is, in part, motivated by perceived problems with timely submission of essay drafts. Beginning in January 2011, students must adhere to deadlines for essay deliverables. A student who misses a deadline may be required to complete the Master's Essay in a subsequent semester because the Essay Committee members are not required to review late submissions. The timeline for different deliverables is described in Section 7 of these guidelines.

6.3 Drafts and Scoring

For most students, a minimum of two drafts of the written essay should be expected, and some students may not progress sufficiently to complete the Master's Essay requirement in the desired semester. The final draft is the essay that is circulated to the entire Essay Committee at least one week prior to the presentation. At a minimum, the first and final drafts of the written essay, and presentation are reviewed using a scoring rubric. Each committee member will evaluate the written essay and presentation independent of one another, and submit the results to the Primary Essay Advisor. The Primary Essay Advisor is responsible for ensuring that the committee member's comments are relayed to the student, though the Primary Essay Advisor may elect to summarize the Committee Members' feedback. Essay Committee members are expected to return written comments to students within two weeks of receiving a draft.

For the first and final drafts of the written essay, the scoring categories are as follows: Accept, Accept with Minor Revisions, Revise and Resubmit, and Reject. The presentation is scored as an Satisfactory or Unsatisfactory.

Accept: This score designates a willingness of the Essay Committee member to approve the written draft without any additional changes.

Accept with Minor Revisions: This score designates a willingness of the Essay Committee member to approve the written draft with very specific changes. These changes should not be of substantial magnitude, but are deemed necessary to make prior to approving of the draft. In these instances, the Essay Committee member may elect to delegate the responsibility of ensuring completion of these minor revisions to the Primary Essay Advisor.

Revise and Resubmit: This score designates the Essay Committee member's reluctance to approve of the written draft without substantive changes and a review of a revised draft.

Reject:

For the written essay, this score designates the Essay Committee member's dissatisfaction with the current draft and is typically reserved for student submissions that reflect insufficient progress to merit an expectation of graduation during the same semester.

If a majority of the committee votes for a Reject (on a draft of the written essay), the student will automatically receive a U for the semester score, and will need to complete the Essay credit in a subsequent semester.

Satisfactory:

For the presentation, this score designates the Essay Committee member's satisfaction with the presentation, including answering questions related to the written essay.

Unsatisfactory:

For the presentation, this score designates the Essay Committee member's dissatisfaction with the presentation, including answering questions related to the written essay. A student who receives this score may be asked to complete revisions to the written essay and/or present the material at a later date. Given the timeline for completing the Masters Essay, it is possible that the student will not be able to graduate during the same semester.

If a majority of the committee votes for an Unsatisfactory (on the presentation), the student will automatically receive a U for the semester score, and will need to complete the Essay credit in a subsequent semester.

6.4. General Checklist for Written Essay Requirements

The following checklist provides guidance on the different sections of the written Master's Essay requirement. Rather than acting as an absolute set of required content in the written essay, this checklist provides both the student and the Master's Essay Committee with suggested criteria to be included. The Primary Essay Advisor should discuss the Scope of the written essay and identify which components of this checklist are required for inclusion in an acceptable essay, while simultaneously identifying any additional components / issues to be included in an acceptable essay. The Master's Essay Committee ultimately determines whether the contents are acceptable so long as the essay conforms to the Graduate School of Public Health and University of Pittsburgh requirements.

A. Abstract

- The student has clearly stated the purpose /objectives of the essay
- The student briefly describes the selected essay design, methodology, and sources of information
- The student has summarized the principal findings and conclusions
- The student has explicitly included a statement of public health relevance
- The student's abstract should be 350 words or fewer

B. Introduction

- The student clearly articulates a health care-related problem or compelling rationale for analyzing this particular health care issue
- The student identifies the objectives or aims for the essay
- The student provides sufficient contextual information about the host organization and sector of the health care industry to understand the health care problem / issue domain

- C. Literature Review and Hypotheses / Expected Results
 - The student applies a systematic approach to review and analyze the literature from both a conceptual and empirical basis
 - The student cites and summarizes relevant practice-oriented and peer-reviewed academic literature
 - The student arrives at a logical set of hypotheses or set of expected results
- D. Design, Methodology, and Data
 - The student describes and justifies the basic study design
 - The student identifies and justifies the methods of analysis
 - The student describes the source(s) of information/data and how they pertain to key constructs
 - The student provides a specific definition for any important technical terms used in the essay
- E. Findings / Results
 - The student presents relevant data in an appropriate format (e.g., tables, graphs, figures)
 - The student summarizes or highlights key findings in a narrative format
- F. Analysis and Discussion
 - The student provides an objective analysis of the implications of each major finding
 - The student identifies the congruence between major findings and hypotheses, and highlights any unexpected, ambiguous or inconclusive findings
 - The student provides a defensible analysis (i.e., based on conceptual and practical issues) of both the confirmed hypotheses and unexpected results
 - The student discusses essay limitations that affect the generalizability of the study findings, including explicit discussion about the essay design, analytic methods, and data
 - The student identifies a set of next steps or priorities to address each of the unexpected findings, inconclusive findings and major limitations
- G. Conclusions, Recommendations and Public Health Relevance
 - The student identifies a logical set of conclusions based on the analysis
 - The student identifies personal development activities, site-specific recommendations, and professional practice implications
 - The student clearly states the public health relevance of the analysis
- H. References (Bibliography)
 - The student consistently uses the agreed-upon reference format for all citations

6.4. Specific Guidance on the Presentation Requirements

The student should prepare and deliver a PowerPoint presentation that describes sections B-G (i.e., Introduction through Conclusions) of the Written Essay Requirements. The student's Primary Essay Advisor cannot certify a student's satisfaction of the Master's Essay requirement until the student has successfully delivered an acceptable presentation to the committee, as evidenced by signatures of the Masters Essay Committee on the Report on Requirements form. The scheduling of the presentation is the responsibility of the student, and must be completed by the specific deadlines that are announced at the beginning of the fall and Spring Terms each year. In general, the presentation should be delivered to all members of the Essay Committee.

6.5. Review by Institutional Review Board for the Protection of Human Subjects

All research conducted by faculty, staff and students in the University of Pittsburgh is subject to review, approval and monitoring by the University of Pittsburgh Institutional Review Board (IRB). Most studies implemented by students in our Department will be considered as exempt studies by IRB definition, but that is contingent upon the IRB's determination—not solely the student's perception.

We recognize that some student research is not subject to IRB review, e.g., those not involving human subjects, literature reviews and secondary data analyses, etc. However, students should proceed under the assumption that all student research projects, funded or unfunded, should submit an application for review and approval by the IRB staff *prior* to working with data and/or patients. All HPM students must demonstrate that they have completed an on-line IRB Certification before they begin their Masters Essay. More information on the University IRB process is provided in the Appendices of this document.

7. Master's Essay Timeline of Critical Deadlines (Version: 9-7-2012)

All of these dates are the last possible date for deliverables; Students are encouraged to complete the work in advance of these dates. At any time, the Primary Essay Advisor can indicate to the student that the Essay has not progressed sufficiently to graduate in the semester that the student intends to graduate.

7.1. Graduation Target: April 2013

October 8, 2012: The student submits the completed Master's Essay Proposal Form (signed) to Donna Schultz

January 31, 2013 – The student submits the first draft of the Master's Essay to Joanne Pegher for review and preliminary approval for formatting

February 1, 2013 – The student submits a complete first draft of the essay to the Primary Essay Advisor

February 28, 2013 – The student submits the revised essay to the Primary Essay Advisor

April 12, 2013 – The student submits a final essay to the Master's Essay Committee at least one week prior to the scheduled oral presentation

April 19, 2013 – The student completes the presentation of the Master's Essay Project

April 26, 2013 – Student submits final essay copies with signatures on required pages, including title, abstract, and Report on Requirements form to Donna Schultz and Joanne Pegher.

Please Note: Student submits one original copy of approved essay with signatures to Joanne Pegher, one duplicate copy of approved essay with signatures to Donna Schultz, and one copy of approved essay to Essay Advisor. Student submits signed Report on Requirements form to Donna Schultz to obtain HPM Departmental approval and signatures.

All essays must be submitted with signatures by Friday, April 26, 2013 at 5:00 pm to ensure this requirement is satisfied for April 2013 graduation.

7.2. Graduation Target: December 2012

September 21, 2012: The student submits the completed Master's Essay Proposal Form (signed) to Donna Schultz

October 15, 2012 – The student submits the first draft of the Master's Essay to Joanne Pegher for review and preliminary approval for formatting

October 15, 2012 – The student submits a complete first draft of the essay to the Primary Essay Advisor

November 23, 2012 – The student submits a revised essay to the Master's Essay Committee at least one week prior to the scheduled oral presentation

November 30, 2012 – The student completes the presentation of the Master's Essay Project

November 30, 2012 – The student submits the revised essay to the Master's Essay Committee for final review and signatures

December 14, 2012 – Student submits final essay copies with signatures on required pages, including title, abstract, and Report on Requirements form to Donna Schultz and Joanne Pegher.

Please Note: Student submits one original copy of approved essay with signatures to Joanne Pegher, one duplicate copy of approved essay with signatures to Donna Schultz, and one copy of approved essay to Essay Advisor. Student submits signed Report on Requirements form to Donna Schultz to obtain HPM Departmental approval and signatures.

All essays must be submitted with signatures by Friday, December 14, 2012 at 1:00 pm to ensure this requirement is satisfied for December 2012 graduation.

8. MASTER'S ESSAY PROPOSAL FORM

Complete and obtain signatures on this form, and submit to Donna Schultz before:

October 8, 2012 for targeted April 2013 graduation; or

September 21, 2012 for targeted December 2012 graduation

| | |
|--|---------------------|
| STUDENT INFORMATION: | |
| NAME: | |
| MAILING ADDRESS: (include: street, city, state, zip) | |
| PHONE CONTACT: | EMAIL: |
| COMPOSITION OF ESSAY COMMITTEE: | |
| Name of PRIMARY ESSAY ADVISOR (HPM Faculty Member): Print: | Signature: Date: |
| Name of SECOND READER (University of Pittsburgh Faculty Member): Print: | Signature: Date: |
| Name of THIRD READER (if applicable):Print: | Signature: Date: |
| ESSAY INFORMATION | |
| PROPOSED ESSAY TITLE | |
| TARGET DATE FOR PRESENTATION: | |
| TARGET JOURNAL REFERENCE FORMAT: | |
| OUTLINE OF YOUR ESSAY TOPIC: (include a description of: Objective/Aims, and Design/Methodology/Data Sources) | |
| Is this essay related to your residency or practicum? Yes No (please circle one) | |
| Does your essay contain information about patients? Yes No (please circle one) | |
| If your essay does have patient-related information, have you submitted an IRB application? Yes No (please circle one) | |
| STUDENT SIGNATURE: | DATE: |
| FOR OFFICIAL USE ONLY: | |
| HPM CHAIR or HPM DIRECTOR OF HEALTH MANAGEMENT EDUCATION SIGNATURE: | DATE: |
| COMMITTEE APPROVED BY GSPH ASSISTANT DEAN FOR STUDENT AFFAIRS: | DATE: |

9. Summary of Roles and Responsibilities for Completion of Essay

| Responsibility | Action/Policy |
|------------------------|---|
| Student | Identifies potential project(s) or focus of study, work site and sponsor or project context (if the essay is not organization-specific). |
| Student and Faculty | Obtains approval from an HPM Faculty Member to be the Primary Essay Advisor. Both agree on focus and identify potential Second Reader (and if applicable Third Reader) |
| Student | Obtains commitment from 2 nd Reader (and 3 rd if applicable) |
| Student | Submits Master's Essay Proposal form with Masters Essay Committee signatures to Donna Schultz |
| Student Services Staff | After receiving all necessary paperwork, the staff obtains departmental approval and GSPH approval of Masters Essay Committee members |
| Student | Submits a complete draft of the essay to the Primary Essay Advisor |
| Essay Committee | Reviews drafts of the essay and makes comments on the scoring rubric within two weeks of receipt of the draft |
| Student | Makes changes per Primary Essay Advisor's request; submits revised essay to Primary Essay Advisor |
| Primary Essay Advisor | Reviews revised (second) draft and informs the student when the essay is ready to be sent to other Essay Committee member(s) for review (when / if the essay is not ready for distribution to other essay committee members, the Primary Essay Advisor must communicate what revisions need to be made before the essay will be ready for distribution) |
| Student | Submits a revised draft of the essay to the committee at least one week prior to the oral presentation; Submits the oral presentation to the Primary Essay Advisor, and delivers the oral presentation to Essay Committee; successfully defends the essay design, analysis, and interpretation of results. |
| Essay Committee | Attend and score the oral presentation of the essay project. |
| Student | Obtains Essay Committee approval of the final draft of the written essay; completes the "Report on Requirement" form |
| Student | Obtains approval of essay formatting from Joanne Pegher, 412/624-3005, jpegher@pitt.edu , 114 Parran Hall for formatting review and correction. |
| Student | Once Essay Committee approves, the student provides hard copies of the final essay to: <ul style="list-style-type: none"> • Joanne Pegher (with signatures and initialed abstracts) • Donna Schultz (with all signatures, initialed abstract and Report on Requirements form with signatures) • Each committee member |

10. Scoring

10.1 Scorecard

Essay Reader Name: _____

Masters Student Name: _____

Summary Overview of Submissions

| DELIVERABLE | DATE | SCORE (Accept, Accept with Minor Revisions, Revise and Resubmit, Reject) |
|--------------|------|--|
| Proposal | | |
| First Draft | | |
| Second Draft | | |
| Third Draft* | | |
| Presentation | | |
| Other Draft* | | |

*if necessary

10.2 Scoring Rubric

1. First Draft

Evaluation of Draft Received on: _____

| | |
|--|--|
| SCORE: (Please circle one) | <ul style="list-style-type: none"> • Accept • Accept with Minor Revisions • Revise and Resubmit • Reject |
| | Comments (reviewer-identified issues to address) |
| CRITERION | |
| Abstract | |
| Introduction | |
| Literature Review and Hypotheses | |
| Design, Methodology, and Data | |
| Results | |
| Discussion | |
| Conclusions, Recommendations, and Public Health Implications | |
| References | |

2. Second Draft

Evaluation of Draft Received on: _____

| | |
|---|--|
| <p>SCORE: (Please circle one)</p> | <ul style="list-style-type: none"> • Accept • Accept with Minor Revisions • Revise and Resubmit • Reject |
| | <p>Comments (reviewer-identified issues to address)</p> |
| <p>CRITERION</p> | |
| <p>Abstract</p> | |
| <p>Introduction</p> | |
| <p>Literature Review and Hypotheses</p> | |
| <p>Design, Methodology, and Data</p> | |
| <p>Results</p> | |
| <p>Discussion</p> | |
| <p>Conclusions, Recommendations, and Public Health Implications</p> | |
| <p>References</p> | |

3. Third Draft * (if necessary)

Evaluation of Draft Received on: _____

| | |
|---|--|
| SCORE: (Please circle one) | <ul style="list-style-type: none"> • Accept • Accept with Minor Revisions • Revise and Resubmit • Reject |
| | Comments (reviewer-identified issues to address) |
| CRITERION | |
| Abstract | |
| Introduction | |
| Literature Review and Hypotheses | |
| Design, Methodology, and Data | |
| Results | |
| Discussion | |
| Conclusions, Recommendations, and Public Health Implications | |
| References | |

4. Presentation

Evaluation of Presentation delivered on: _____

| | |
|--|--|
| SCORE: (Please circle one) | <ul style="list-style-type: none"> • Acceptable • Reject |
| | Comments (reviewer-identified issues to address) |
| CRITERION | |
| Introduction | |
| Literature Review and Hypotheses | |
| Design, Methodology, and Data | |
| Results | |
| Discussion | |
| Conclusions, Recommendations, and Public Health Implications | |

5. Other Draft * (if necessary)

Evaluation of Draft Received on: _____

| | |
|---|--|
| SCORE: (Please circle one) | <ul style="list-style-type: none"> • Accept • Accept with Minor Revisions • Revise and Resubmit • Reject |
| | Comments (reviewer-identified issues to address) |
| CRITERION | |
| Abstract | |
| Introduction | |
| Literature Review and Hypotheses | |
| Design, Methodology, and Data | |
| Results | |
| Discussion | |
| Conclusions, Recommendations, and Public Health Implications | |
| References | |