

ENV H 536 A Sp 20: Health Impact Assessment

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Spring Quarter 2020

30 March 2020

EnvH 536: Health Impact Assessment

Dept. of Environmental and Occupational Health Sciences, UW School of Public Health

UrbDP 536: Health Impact Assessment

Dept. of Urban Design and Planning, UW College of Built Environments

EnvH 536 and UrbDP 536 are taught concurrently. 2 credits.

3rd credit (EnvH 600 or UrbDP 600) is available for student(s) who volunteer to synthesize and edit the final class project HIA report into a form suitable for submission to external project stakeholders.

Instructor

Andrew L. Dannenberg, MD, MPH

Affiliate Professor, Dept. of Environmental and Occupational Health Sciences, School of Public Health, and Dept. of Urban Design and Planning, College of Built Environments, University of Washington; adannenberg@uw.edu (<mailto:adannenberg@uw.edu>); cell 404-272-3978

Course collaborators

Diane Wiatr, AICP, Principal Planner, Seattle Dept. of Transportation, diane.wiatr@seattle.gov (<mailto:diane.wiatr@seattle.gov>)

Jim Holmes, Senior Planner, Seattle Office of Planning and Community Development, Jim.Holmes@seattle.gov (<mailto:Jim.Holmes@seattle.gov>)

Class sessions: Spring Quarter, Thursdays, 5:00-6:50pm, April 2 - June 4, 2020

Location: To be held online on Zoom: <https://washington.zoom.us/j/566661473> [.\(https://washington.zoom.us/j/566661473\)](https://washington.zoom.us/j/566661473)

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Course Description

Health impact assessment (HIA) is a process used to inform decision-makers about the potential health impacts of proposed projects, plans, programs, and policies that do not traditionally focus on health outcomes (e.g. transportation, education, housing), but are likely to affect the public's health. This course is appropriate for students interested in evaluating the links between community design and public health and applying this evidence to inform decision-making and promote health equity for new policies and plans. In the course, students consider the rationale for conducting HIAs, learn the steps to conduct an HIA, review national and international case studies, explore how HIA findings may impact decision-making and improve health equity, and discuss the use of Health in All Policies as an approach to decision-making. As a major component of the course, students conduct a detailed HIA of the health aspects of a currently proposed project or plan.

The Spring Quarter 2020 class HIA project will focus on the redevelopment of the 25-acre Seattle Interbay site adjacent to the Queen Anne and Magnolia neighborhoods. Multiple state and local agencies are now exploring residential, commercial, and industrial redevelopment opportunities to “maximize public benefits” after the Washington National Guard vacates this site in a few years. For this project, the class will collaborate with Diane Wiatr of the Seattle Department of Transportation and Jim Holmes of the Seattle Office of Planning and Community Development. During the course, students will explore health and equity implications of the Interbay project and participate in a virtual field visit to the site to help them visualize the issues involved in the redevelopment. The class is enriched by interdisciplinary discussions among students who typically come from public health, urban planning, architecture, landscape architecture, public policy, and other fields.

Prerequisites: Prior classes and/or experience in health and built environment, health policy, and urban planning issues are helpful but not required.

Course Learning Objectives

At the conclusion of the course, students should be able to:

- Describe the purpose, benefits, and challenges of using health impact assessments (HIAs) to convey information about health to decision-makers and to improve social equity
- Describe the core steps used to conduct HIAs including screening, scoping, assessment, making recommendations, reporting, and monitoring and evaluation
- Summarize the similarities and differences in using HIA as an approach separate from Environmental Impact Assessments
- Collaborate effectively with others in completing an HIA in an interdisciplinary environment
- Explain the application of Health in All Policies in the policymaking process

Student Evaluation

- Class participation including discussion of ideas from required readings - 15%
- Contribution to HIA conducted as class project - 50%
- Required paper #1: Paper and presentation analyzing an existing completed HIA - 20%
- Required paper #2: Comments on draft HIA report and reflections on HIA process - 15%

Recording of sessions: This course is scheduled to run synchronously at the scheduled class time via Zoom. These Zoom class sessions may be recorded. The recording will capture the presenter's audio, video and computer screen. Student audio and video will be recorded if they share their computer audio and video during the recorded session. The recordings will only be accessible to students enrolled in the course to review materials. These recordings will not be shared with or accessible to the public. The University and Zoom have FERPA-compliant agreements in place to protect the security and privacy of UW Zoom accounts. Students who do not wish to be recorded should change their Zoom screen name to hide any personal identifying information such as their name or UW Net ID, and not share their computer audio or video during their Zoom sessions.

Access and Accommodations: If you have already established accommodations with Disability Resources for Students (DRS), please communicate your approved accommodations to us at your earliest convenience so we can discuss your needs in this course. If you have not yet established services through DRS, but have a temporary health condition or permanent disability that requires accommodations (conditions include but not limited to: mental health, attention-related, learning, vision, hearing, physical or health impacts), you are welcome to contact DRS at 206-543-8924 or uwdrs@uw.edu (<mailto:uwdrs@uw.edu>) or <http://depts.washington.edu/uwdrs/> (<http://depts.washington.edu/uwdrs/>). DRS offers resources and coordinates reasonable accommodations for students with disabilities and/or temporary health conditions. Reasonable accommodations are established through an interactive process between you, your instructors and DRS. It is the policy and practice of the University of Washington to create inclusive and accessible learning environments consistent with federal and state law.

Academic Integrity: Students at UW are expected to maintain the highest standards of academic conduct, professional honesty, and personal integrity. UW is committed to upholding standards of academic integrity consistent with the academic and professional communities of which it is a part. Plagiarism, cheating, and other misconduct are serious violations of the UW Student Conduct Code (WAC 478-120). We expect you to know and follow the university's policies on cheating and plagiarism, and the SPH Academic Integrity Policy (<https://sph.washington.edu/students/academic-integrity-policy>) (<https://sph.washington.edu/students/academic-integrity-policy>). Any suspected cases of academic misconduct will be handled according to UW regulations. For more information, see the UW Community Standards and Student Conduct website <http://www.washington.edu/cssc/> (<http://www.washington.edu/cssc/>).

Readings: Readings are available online and/or on Canvas Share Space. **For each class there are 1 or 2 REQUIRED readings and several optional readings. It is expected that, in addition to the required readings, you will read at least the abstract or executive summary of each of the optional articles and HIA reports listed.** Excellent performance involves reading completely at least half of all articles listed and contributing ideas from these readings to the class discussions.

Class schedule

April 2: Introduction to course; Introduction to Health Impact Assessment: Andrew Dannenberg

Readings

- **REQUIRED:** Dannenberg AL. A brief history of health impact assessment in the United States. *Chronicles of Health Impact Assessment*. 1(1), 2016. <https://journals.iupui.edu/index.php/chia/article/view/21348/20635> (<https://journals.iupui.edu/index.php/chia/article/view/21348/20635>)

Additional readings for those with little knowledge in healthy community design:

- Malizia EE. City and regional planning: a primer for public health officials. *American Journal of Health Promotion*. 2005; 19(5S):1–13.
- Frumkin H, Wendel A, Abrams R, Malizia E. Introduction to healthy places. Chapter 1 in Dannenberg AL, Frumkin H, Jackson RJ, editors. *Making Healthy Places: Designing and Building for Health, Well-being and Sustainability*. Island Press, 2011 ([makinghealthyplaces.com](http://www.makinghealthyplaces.com) (<http://www.makinghealthyplaces.com>)). Chapter 1 available on Canvas Share Space.

April 9: A) Introduction to Seattle Interbay Project for class HIA project: Diane Wiatr, AICP, Principal Planner, Seattle Dept. of Transportation, and Jim Holmes, Senior Planner, Seattle Office of Planning and Community Development

1. B) Review of site map: <https://deptofcommerce.box.com/v/opps-and-constraints-map> (<https://deptofcommerce.box.com/v/opps-and-constraints-map>)
2. C) HIA Screening step: Andrew Dannenberg

Readings:

- **REQUIRED:** HIA Toolkit, pages 31-38, Chapter 3 (Screening) https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf (https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf)
- **REQUIRED:** UW Spring 2019 HIA class project on BelRed Neighborhood Subarea Plan: https://s3-us-west-2.amazonaws.com/uw-s3-cdn/wp-content/uploads/sites/136/2018/08/08214011/LCY_BNE-12_HIA.pdf (https://s3-us-west-2.amazonaws.com/uw-s3-cdn/wp-content/uploads/sites/136/2018/08/08214011/LCY_BNE-12_HIA.pdf)
- Optional: Paid sick leave HIA: <https://humanimpact.org/hiprojects/paid-sick-days-hias-case-story/?strategy=all> (<https://humanimpact.org/hiprojects/paid-sick-days-hias-case-story/?strategy=all>)
- Optional: Previous UW HIA class projects:
 - 2018: Rainier RapidRide for Seattle Department of Transportation: https://www.seattle.gov/Documents/Departments/SDOT/TransitProgram/RapidRide/RainierRapidRide_HIA_final_7June2018.pdf (https://www.seattle.gov/Documents/Departments/SDOT/TransitProgram/RapidRide/RainierRapidRide_HIA_final_7June2018.pdf). (Note: cut and paste link if document does not open)
 - 2017: Georgetown Mobility Plan for Seattle Department of Transportation: https://www.seattle.gov/Documents/Departments/SDOT/TransportationPlanning/GeorgetownMobilityStudyHIA_FinalReport_June2017.pdf (https://www.seattle.gov/Documents/Departments/SDOT/TransportationPlanning/GeorgetownMobilityStudyHIA_FinalReport_June2017.pdf). (Note: cut and paste link if document does not open)
 - 2016: Anacortes South Commercial Avenue Corridor Plan: <https://www.cityofanacortes.org/DocumentCenter/View/4671/South-Commercial-Ave-HIA-Final-Report-PDF?bidId=> (<https://www.cityofanacortes.org/DocumentCenter/View/4671/South-Commercial-Ave-HIA-Final-Report-PDF?bidId=>)
- 2015: SDOT Delridge Corridor Transportation Plan: <https://www.seattle.gov/Documents/Departments/OPCD/OngoingInitiatives/DelridgeActionPlan/DelridgeActionPlanHealthImpactAssessment> (<https://www.seattle.gov/Documents/Departments/OPCD/OngoingInitiatives/DelridgeActionPlan/DelridgeActionPlanHealthImpactAssessment>). (Note: cut and paste link if document does not open)
- 2014: Pioneer Square Plan: http://allianceforpioneersquare.org/wp/wp-content/uploads/2014/07/Pioneer_Square_HIA_final_16June2014.pdf (http://allianceforpioneersquare.org/wp/wp-content/uploads/2014/07/Pioneer_Square_HIA_final_16June2014.pdf)
- 2013: Tacoma South Downtown Subarea Plan: [http://cms.cityoftacoma.org/planning/Dome-Brewery%20Subarea/HIA_SouthDowntown_Tacoma_Low%20\(6-10-13\).pdf](http://cms.cityoftacoma.org/planning/Dome-Brewery%20Subarea/HIA_SouthDowntown_Tacoma_Low%20(6-10-13).pdf) ([http://cms.cityoftacoma.org/planning/Dome-Brewery%20Subarea/HIA_SouthDowntown_Tacoma_Low%20\(6-10-13\).pdf](http://cms.cityoftacoma.org/planning/Dome-Brewery%20Subarea/HIA_SouthDowntown_Tacoma_Low%20(6-10-13).pdf))
- 2012: Duwamish River Superfund Cleanup: <http://deohs.washington.edu/sites/default/files/2012-07-25-Duwamish-HIA-Report.pdf> (<http://deohs.washington.edu/sites/default/files/2012-07-25-Duwamish-HIA-Report.pdf>)

April 16: A) HIA Scoping step: Andrew Dannenberg

1. B) Interactive session: Scoping phase for Seattle Interbay Project HIA

Readings:

- **KEY RESOURCE:** Interbay Advisory Committee main report is 66 pages, plus 31 appendices including 583 pages on specific topics and 2537 pages of environmental site assessment: <https://www.commerce.wa.gov/about-us/research-services/interbay-public-development-advisory-committee/> (<https://www.commerce.wa.gov/about-us/research-services/interbay-public-development-advisory-committee/>)
- **KEY RESOURCE:** The Interbay Project. Final report. Univ. of Washington Built Environments Studio. Fall 2019. 48 pages. Available on Canvas.
- **REQUIRED:** HIA Toolkit, pages 39-48, Chapter 4 (Scoping) https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf (https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf)
- **REQUIRED:** Bhatia R, Farhang L, Heller J, Lee M, Orenstein M, Richardson M, Wernham A. *Minimum elements and practice standards for health impact assessment*, Version 3. September 2014. <https://sophia.wildapricot.org/resources/Documents/HIA-Practice-Standards-September-2014.pdf> (<https://sophia.wildapricot.org/resources/Documents/HIA-Practice-Standards-September-2014.pdf>)
- Optional: Bhatia R. *Health impact assessment: a guide for practice*. Human Impact Partners, 2011. <http://www.humanimpact.org/downloads/hia-guide-for-practice/> (<http://www.humanimpact.org/downloads/hia-guide-for-practice/>). (skim this 89-page HIA reference guide now for later use in course).

Student teams to be formed to be responsible for sections of final Seattle Interbay Project report, due June 4. Volunteers are sought to integrate and edit the final HIA document, including writing the introduction and conclusions. An extra credit hour (EnvH 600/UrbDP 600) is available for this role.

April 23: Student presentations: Analysis of selected completed HIAs: All students should be prepared to present

Readings:

- **REQUIRED:** James P, Ito K, Buonocore JJ, Levy JI, Arcaya MC. A health impact assessment of proposed public transportation service cuts and fare increases in Boston MA. *International Journal of Environmental Research and Public Health*. 2014; 11:8010-8024; <http://www.mdpi.com/1660-4601/11/8/8010> [.\(http://www.mdpi.com/1660-4601/11/8/8010\)](http://www.mdpi.com/1660-4601/11/8/8010)
 - **REQUIRED:** Hom E, Dannenberg AL, Farquhar S, Thornhill L. A systematic review of health impact assessments in the criminal justice system. *American Journal of Criminal Justice*. 2017; 42(4):883-908.
- Optional: Bhatia R, Seto E. Quantitative estimation in Health Impact Assessment: Opportunities and challenges. *Environmental Impact Assessment Review* 2011; 31:301-309.
 - Optional: Cowling K, Lindberg R, Dannenberg AL, Neff RA, Pollack K. Review of health impact assessments informing agriculture, food, and nutrition policies, programs, and projects in the United States. *Journal of Agriculture, Food Systems, and Community Development*. 2017; 7(3):139-157. <https://foodsystemsjournal.org/index.php/fsj/article/view/493> [.\(https://foodsystemsjournal.org/index.php/fsj/article/view/493\)](https://foodsystemsjournal.org/index.php/fsj/article/view/493)
 - Optional: Tamburrini A, Gilhuly K, Harris-Roxas B. Enhancing benefits in health impact assessment through stakeholder consultation. *Impact Assessment and Project Appraisal* 2011; 29(3):195-204. <https://www.tandfonline.com/doi/pdf/10.3152/146155111X12959673796281?needAccess=true> [.\(https://www.tandfonline.com/doi/pdf/10.3152/146155111X12959673796281?needAccess=true\)](https://www.tandfonline.com/doi/pdf/10.3152/146155111X12959673796281?needAccess=true)

REQUIRED PAPER #1 DUE: ANALYSIS OF AN EXISTING COMPLETED HIA

April 30: A) Presentations of completed HIAs by all students who did not present on April 23

1. B) HIA Assessment step: Andrew Dannenberg

Interactive session: Assessment phase of Seattle Interbay Project HIA

Readings:

- **REQUIRED:** HIA Toolkit, pages 49-72, Chapter 5 (Assessment) https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf [.\(https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf\)](https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf)
- **REQUIRED:** Witter RZ, McKenzie L, Stinson KE, Scott K, Newman LS, Adgate J. The use of health impact assessment for a community undergoing natural gas development. *American Journal of Public Health*. 2013; 103(6):1002-1010.
- Optional: Richardson MJ, English P, Rudolph L. A health impact assessment of California's proposed cap-and-trade regulations. *American Journal of Public Health*. 2012; 102(9):e52-e58.
- Optional: Thondoo M, Rojas-Rueda D, Gupta J, de Vries DH, Nieuwenhuijsen MJ. Systematic literature review of health impact assessments in low and middle-income countries. *International Journal of Environmental Research and Public Health*. 2019;16(11). <https://www.mdpi.com/1660-4601/16/11/2018> [.\(https://www.mdpi.com/1660-4601/16/11/2018\)](https://www.mdpi.com/1660-4601/16/11/2018)
- Optional: Covey EL, Belvedere LM, Barnes MD. Health impact assessment of the proposed opioid prior authorization policy in the state of Utah, USA. *Health Systems and Policy Research*. 2017, 4:1. doi:10.21767/2254-9137.100059. <http://www.hsprj.com/health-maintenance/health-impact-assessment-of-the-proposed-opioid-prior-authorization-policy-in-the-state-of-utah-usa.php?aid=18324> [.\(http://www.hsprj.com/health-maintenance/health-impact-assessment-of-the-proposed-opioid-prior-authorization-policy-in-the-state-of-utah-usa.php?aid=18324\)](http://www.hsprj.com/health-maintenance/health-impact-assessment-of-the-proposed-opioid-prior-authorization-policy-in-the-state-of-utah-usa.php?aid=18324)

May 7: A) Further questions/answers on Seattle Interbay Project: Diane Wiatr and Jim Holmes, City of Seattle

1. B) HIA Recommendations and Reporting steps: Andrew Dannenberg

Readings:

- **REQUIRED:** HIA Toolkit, pages 73-84, Chapter 6 (Recommendations) and Chapter 7 (Reporting). https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf [.\(https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf\)](https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf)
- **REQUIRED:** Public comments section of Interbay Advisory Committee Report, Appendix F. <https://deptofcommerce.app.box.com/v/adv-committee-comms-report> [.\(https://deptofcommerce.app.box.com/v/adv-committee-comms-report\)](https://deptofcommerce.app.box.com/v/adv-committee-comms-report)
- **REQUIRED:** SOPHIA Equity Workgroup. Communicating about equity in health impact assessment: a guide for practitioners. 2016. https://sophia.wildapricot.org/resources/Documents/Communicating_Equity_in_HIA_Final.pdf [.\(https://sophia.wildapricot.org/resources/Documents/Communicating_Equity_in_HIA_Final.pdf\)](https://sophia.wildapricot.org/resources/Documents/Communicating_Equity_in_HIA_Final.pdf)
- Optional: Farhang L, Heller J. Advocacy in HIA: increasing our effectiveness and relevance as practitioners to address health, equity, and democracy. *Chronicles of Health Impact Assessment*. 1(1), 2016. <https://journals.iupui.edu/index.php/chia/article/view/21350/20638> [.\(https://journals.iupui.edu/index.php/chia/article/view/21350/20638\)](https://journals.iupui.edu/index.php/chia/article/view/21350/20638)

- Optional: Ross CL, Leone de Nie K, Dannenberg AL, Beck LF, Marcus MJ, Barringer J. Health impact assessment of the Atlanta BeltLine. *American Journal of Preventive Medicine*. 2012; 42(3):203-213. **See especially Table 2.**

May 14: A) Environmental Impact Assessment: Andrew Dannenberg

1. B) Health in All Policies: Andrew Dannenberg

Readings:

- REQUIRED:** Bhatia R, Wernham A. Integrating human health into environmental impact assessment: An unrealized opportunity for environmental health and justice. *Environmental Health Perspectives*. 2008; 116(8):991-1000. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2516559/pdf/ehp0116-000991.pdf> (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2516559/pdf/ehp0116-000991.pdf>)
 - REQUIRED:** Gase LN, Schooley T, Lee M, Rotakhina S, Vick J, Caplan J. A practice-grounded approach for evaluating Health in All Policies initiatives in the United States. *Journal of Public Health Management and Practice*. 2017; 23(4):339-347.
- Optional: Council on Environmental Quality. A Citizen's Guide to the National Environmental Policy Act (NEPA). 2007. https://ceq.doe.gov/docs/get-involved/Citizens_Guide_Dec07.pdf (https://ceq.doe.gov/docs/get-involved/Citizens_Guide_Dec07.pdf)
- Optional: Baum F, Delany-Crowe T, MacDougall C, Lawless A, van Eyk H, Williams C. Ideas, actors and institutions: lessons from South Australian Health in All Policies on what encourages other sectors' involvement. *BMC Public Health*. 2017; 17(1):811. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5644129/> (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5644129/>)
- Optional: Rudolph L, Caplan J, Ben-Moshe K, Dillon L. *Health in All Policies: A Guide for State and Local Governments*. Washington, DC and Oakland, CA: American Public Health Association and Public Health Institute. https://www.phi.org/uploads/files/Health_in_All_Policies-A_Guide_for_State_and_Local_Governments.pdf (https://www.phi.org/uploads/files/Health_in_All_Policies-A_Guide_for_State_and_Local_Governments.pdf)
- Optional: ChangeLab Solutions. *From start to finish: How to permanently improve government through Health in All Policies*. http://changelabsolutions.org/sites/default/files/From-Start-to-Finish_HIAP_Guide-FINAL-20150729_1_0.pdf (http://changelabsolutions.org/sites/default/files/From-Start-to-Finish_HIAP_Guide-FINAL-20150729_1_0.pdf)

May 21: Interactive: Detailed review of recommendations for Seattle Interbay Project HIA Readings:

- REQUIRED:** Hirono K, Haigh F, Gleeson D, Harris P, Thow AM, Friel S. Is health impact assessment useful in the context of trade negotiations? A case study of the Trans-Pacific Partnership Agreement. *BMJ Open*. 2016; 6(4): e010339. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4823461/pdf/bmjopen-2015-010339.pdf> (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4823461/pdf/bmjopen-2015-010339.pdf>)
- REQUIRED:** Johnson-Thornton RL, Greiner A, Fichtenberg CM, Feingold BJ, Ellen JM, Jennings JM. Achieving a healthy zoning policy in Baltimore: results of a health impact assessment of the TransForm Baltimore zoning code rewrite. *Public Health Reports*. 2013; 128(suppl 3):87-103.
- Optional: Ashton K, Parry-Williams L, Dyakova M, Green L. Health impact and social value of interventions, services, and policies: a methodological discussion of health impact assessment and social return on investment methodologies. *Frontiers in Public Health*. 2020;8:49. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7056887/> (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7056887/>)
- Optional: Sohn EK, Stein LJ, Wolpoff A, Lindberg R, Baum A, McInnis-Simoncelli A, Pollack KM. Avenues of influence: the relationship between health impact assessment and determinants of health and health equity. *Journal of Urban Health*. 2018; 95(5):754-764. doi: 10.1007/s11524-018-0263-5.
- Optional: Waimberg J, Cloud LK, Campbell AT, Lindberg R, Porter KP. Tracking state-level health impact assessment legislation from 2012-2016. *Chronicles of Health Impact Assessment*. 3(1):1-10. <http://journals.iupui.edu/index.php/chia/article/view/22249/21971> (<http://journals.iupui.edu/index.php/chia/article/view/22249/21971>)

FIRST DRAFT OF INDIVIDUAL HIA CHAPTERS DUE

May 28: Monitoring and evaluation of HIAs – Andrew Dannenberg

Interactive session: Monitoring and evaluation phases for Seattle Interbay Project HIA

Readings:

- REQUIRED:** HIA Toolkit, pages 85-98, Chapters 8 and 9 (Monitoring and Evaluation) https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf (https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf)
 - REQUIRED:** Dannenberg AL. Effectiveness of health impact assessments: a synthesis of data from five impact evaluation reports. *Preventing Chronic Disease*. 13:150559, 2015. https://www.cdc.gov/pccd/issues/2016/pdf/15_0559.pdf (https://www.cdc.gov/pccd/issues/2016/pdf/15_0559.pdf)
 - Optional: Evaluation of Health Impact Assessment: Clark County Bicycle and Pedestrian Master Plan. 2011. http://bikeportland.org/wp-content/uploads/2011/12/HIA_BPplan-copy.pdf (http://bikeportland.org/wp-content/uploads/2011/12/HIA_BPplan-copy.pdf)
 - Optional: Mathias KR, Harris-Roxas B. Process and impact evaluation of the Greater Christchurch Urban Development Strategy Health Impact Assessment. *BMC Public Health*. 2009; 9:97. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2670296/pdf/1471-2458-9-97.pdf> (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2670296/pdf/1471-2458-9-97.pdf>)
- SECOND DRAFT OF INDIVIDUAL HIA CHAPTERS DUE**

• **FIRST DRAFT OF INTEGRATED FULL HIA REPORT DUE**

June 4: Student presentations to City of Seattle stakeholders: Seattle Interbay Project HIA report

- **REQUIRED PAPER #2 DUE: DRAFT REPORT EDITS AND REFLECTIONS**
- **SEMI-FINAL DRAFT OF FULL SEATTLE INTERBAY PROJECT HIA REPORT DUE**

June 9 (Tuesday): Due date for Seattle Interbay Project final HIA report, ready for submission to City of Seattle stakeholders. Students completing report synthesis and editing may receive 3rd credit hour for course.

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CLASS ACTIVITIES/REQUIREMENTS

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1. **Required paper #1** (submit to Canvas): 3 to 5 page single-spaced paper reviewing and critiquing an existing completed HIA, including
 - description of project/policy,
 - HIA quantitative and qualitative methods used,
 - major findings,
 - major recommendations,
 - strengths and weaknesses of this HIA, and
 - impact of HIA on subsequent decisions if available.

See Kemm: *Checklist for HIA Reports* on Canvas for suggestions

Choose your HIA for review from one of the following overlapping sources:

1. List of 18 exemplary HIAs selected by SOPHIA – see below.
2. List of 400+ HIAs completed in the US on Pew Charitable Trusts website: Go to <https://www.pewtrusts.org/en/research-and-analysis/data-visualizations/2015/hia-map?resourceTypes=HIA%20reports&sortBy=relevance&sortOrder=asc&page=1> .(<https://www.pewtrusts.org/en/research-and-analysis/data-visualizations/2015/hia-map?resourceTypes=HIA%20reports&sortBy=relevance&sortOrder=asc&page=1>) and search for HIA reports by location or by sector such as agriculture, community development, criminal justice, education, energy, food and nutrition policy, housing, labor and employment, natural resources management, planning and zoning, tax and budget policy, and transportation. Some HIAs listed may contain too little or too much information to be useful for review purposes.

DUE DATE: April 23, 5:00pm

2. Student presentations of their analyses of existing completed HIAs:

On **April 23 and April 30 in class**, students will present and discuss the HIA they reviewed for their written paper. Presentations will be 4 minutes per student plus 2 minutes for questions and discussion. All students should be prepared to present on April 23, so that students who reviewed the same HIA can present sequentially.

3. **Required paper #2** (submit to Canvas): 2 to 3 page single-spaced paper responding to following issues:
 - Specific comments about first draft of class HIA report; these should be sent to the class report editors no later than 5:00pm on Sunday, May 31 so they can be considered in the final report. A brief summary (maximum one paragraph) of these comments should be included in this required paper #2 (editors need not submit comments about report).
 - Reflections (not sent to editors) on the overall process of developing the class HIA
 - Reflections on any of the readings that you found particularly useful
 - Thoughts on how HIA may be useful as a tool in your future professional work
 - Any other comments about the class. Note that positive or negative comments for which you prefer anonymity should be saved for the on-line anonymous course evaluation

DUE DATE JUNE 4, 5:00pm

4. Class report with contributions by all students: HIA of Seattle Interbay Project

On **June 4 in class**, a spokesperson for each of the 5 small groups of students will present for about 10 minutes the details of the portion of the Seattle Interbay Project HIA for which they took primary responsibility, followed by class discussion of the issues presented. A student editor/synthesizer will open and close the student presentations. Stakeholders from the City of Seattle will be present and will provide feedback.

5. **Virtual field trip to Interbay Project site.** It is unlikely that we will be able to do a class field trip to the site during the Spring Quarter due to current restrictions on non-essential travel. We will share numerous ground and aerial photos of the site during class, some of which may be included in the class final report. We encourage you to visit the site using Google Street View, which offers views of the space outside of the fenced-off National Guard base. We will also provide a map of good vantage points, so you may visit the perimeter of the site on your own, perhaps by bicycle, if restrictions allow.

Examples of exemplary HIAs based on reviews by SOPHIA, available at <https://sophia.wildapricot.org/Model-HIA-Reports>
(<https://sophia.wildapricot.org/Model-HIA-Reports>)

- Healthy Neighborhood Equity Fund HIA, 2013, Roxbury, MA; Community development
- Full-service grocery store development in a food desert HIA, 2013, Indianapolis; Food & nutrition
- US Equal Employment Opportunity Commission policy guidance HIA, 2013; Criminal justice
- San Francisco Bay Area's regional transportation plan HIA, 2013; Transportation
- Baltimore-Washington rail intermodal facility HIA, 2013; Transportation
- Federal rental assistance demonstration project HIA, 2012, U.S.; Housing
- Hawaii County agriculture development plan HIA, 2012; Agriculture
- Madison (WI) alcohol license density ordinance HIA, 2014; Government policy
- Preesall underground gas storage facility, Lancashire (UK) HIA, 2011; Industrial facility
- Baltimore comprehensive zoning code rewrite HIA, 2010; Urban development
- Christchurch urban development strategy options HIA, 2006, New Zealand; Urban development
- Page Avenue HIA, 2010, St. Louis; Urban redevelopment
- HIA of mining activities near Keno City, Yukon, Canada, 2012; Resource development
- Poultry litter-to-energy facility in the Shenandoah Valley (VA) HIA, 2013; Resource development
- California Domestic Work Employee Equality and Fairness Act of 2011 HIA; Government policy
- Oregon HB 2800 farm-to-school and school garden policy HIA, 2011; Government policy
- Potential health effects of casino development in southeast Kansas, 2012; Government plan
- Health effects of road pricing in San Francisco, 2011; Municipal plan

Other resources available

Books

National Research Council of the National Academies. *Improving health in the United States: The role of health impact assessment*. Washington, DC: National Academies Press, 2011. Available free at http://www.nap.edu/catalog.php?record_id=13229 (http://www.nap.edu/catalog.php?record_id=13229)

Birley M. *Health impact assessment: Principles and practice*. London: EarthScan/Taylor and Francis, 2011.
<http://www.routledge.com/books/details/9781849712774/> (<http://www.routledge.com/books/details/9781849712774/>)

Kemm JR, editor. *Health impact assessment: Past achievement, current understanding, and future progress*. Oxford: Oxford University Press, 2012.
http://www.amazon.com/dp/0199656010/ref=rdr_ext_tmb (http://www.amazon.com/dp/0199656010/ref=rdr_ext_tmb)

O'Mullane M, editor. *Integrating health impact assessment with the policy process: Lessons and experiences from around the world*. Oxford: Oxford University Press, 2013. <http://ukcatalogue.oup.com/product/9780199639960.do> (<http://ukcatalogue.oup.com/product/9780199639960.do>)

Ross CL, Orenstein M, Botchwey N. *Health impact assessment in the United States*. New York: Springer, 2014.
<http://www.springer.com/medicine/book/978-1-4614-7302-2?otherVersion=978-1-4614-7303-9> (<http://www.springer.com/medicine/book/978-1-4614-7302-2?otherVersion=978-1-4614-7303-9>)

Wismar M, Blau J, Ernst K, Figueras J. *The effectiveness of health impact assessment: Scope and limitations of supporting decision-making in Europe*. Brussels: European Observatory on Health Systems and Policies, 2007. Available free at:
http://www.euro.who.int/_data/assets/pdf_file/0003/98283/E90794.pdf (http://www.euro.who.int/_data/assets/pdf_file/0003/98283/E90794.pdf)

Websites for more information about HIA (first 4 listed are most active websites)

- Pew Charitable Trusts Health Impact Project: [healthimpactproject.org](http://www.healthimpactproject.org) (<http://www.healthimpactproject.org>)
- Human Impact Partners, Oakland CA: [humanimpact.org](http://www.humanimpact.org) (<http://www.humanimpact.org>)

- Society of Practitioners of Health Impact Assessment: [hiasociety.org](http://www.hiasociety.org) [.\(http://www.hiasociety.org\)](http://www.hiasociety.org)
- Wales HIA Support Unit (UK): <https://whiasu.publichealthnetwork.cymru/en/> [.\(https://whiasu.publichealthnetwork.cymru/en/\)](https://whiasu.publichealthnetwork.cymru/en/)
- UCLA HIA Clearinghouse: <http://www.ph.ucla.edu/hs/health-impact/index.htm> [.\(http://www.ph.ucla.edu/hs/health-impact/index.htm\)](http://www.ph.ucla.edu/hs/health-impact/index.htm)
- American Planning Association: <https://www.planning.org/nationalcenters/health/planninghia/> [\(https://www.planning.org/nationalcenters/health/planninghia/\)](https://www.planning.org/nationalcenters/health/planninghia/)
- Centers for Disease Control and Prevention: [cdc.gov/healthyplaces/hia.htm](http://www.cdc.gov/healthyplaces/hia.htm) [.\(http://www.cdc.gov/healthyplaces/hia.htm\)](http://www.cdc.gov/healthyplaces/hia.htm)
- HIA Gateway, Association of Public Health Observatories (UK): <http://webarchive.nationalarchives.gov.uk/20170106081254/http://www.apho.org.uk/default.aspx?RID=44538> [.\(http://webarchive.nationalarchives.gov.uk/20170106081254/http://www.apho.org.uk/default.aspx?RID=44538\)](http://webarchive.nationalarchives.gov.uk/20170106081254/http://www.apho.org.uk/default.aspx?RID=44538)
- World Health Organization: <http://www.who.int/hia/en/> [.\(http://www.who.int/hia/en/\)](http://www.who.int/hia/en/)

List of HIA publications with US authors, 1999-2019: available on Canvas

1999-2016 list at http://www.cdc.gov/healthyplaces/docs/hiaarticles_usauthors_29february2016.pdf [.\(http://www.cdc.gov/healthyplaces/docs/hiaarticles_usauthors_29february2016.pdf\)](http://www.cdc.gov/healthyplaces/docs/hiaarticles_usauthors_29february2016.pdf)

Selected guides to conducting HIAs

Hebert KA, Wendel AM, Kennedy SK, Dannenberg AL. Health impact assessment: a comparison of 45 local, national, and international guidelines. *Environmental Impact Assessment Review*. 2012; 34:74-82. Available on Canvas.

Bhatia R. *Health impact assessment: a guide for practice*. Human Impact Partners, 89 pages. 2011. <http://www.humanimpact.org/downloads/hia-guide-for-practice/> [.\(http://www.humanimpact.org/downloads/hia-guide-for-practice/\)](http://www.humanimpact.org/downloads/hia-guide-for-practice/)

Human Impact Partners. *A health impact assessment toolkit: a handbook to conducting HIA*. 3rd edition. 169 pages. 2011. https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf [.\(https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf\)](https://humanimpact.org/wp-content/uploads/2018/10/A-HIA-Toolkit_February-2011_Rev.pdf)

International Health Impact Assessment Consortium, Liverpool, UK. *The Merseyside guidelines for health impact assessment*. 22 pages. 2001. http://www.precaution.org/lib/06/mersey_hia_guide_2nd_edn.010601.pdf [.\(http://www.precaution.org/lib/06/mersey_hia_guide_2nd_edn.010601.pdf\)](http://www.precaution.org/lib/06/mersey_hia_guide_2nd_edn.010601.pdf)

University of Minnesota, Design for Health. *Rapid health impact assessment toolkit*. 19 pages. 2008. http://designforhealth.net/wp-content/uploads/2012/12/BCBS_Rapidassessment_011608.pdf [.\(http://designforhealth.net/wp-content/uploads/2012/12/BCBS_Rapidassessment_011608.pdf\)](http://designforhealth.net/wp-content/uploads/2012/12/BCBS_Rapidassessment_011608.pdf)

Reviews of HIAs used in specific sectors

1a. **Transportation** (73 HIAs). Dannenberg AL, Ricklin A, Ross CL, Schwartz M, West J, White S, Wier ML. Use of health impact assessment for transportation planning: importance of transportation agency involvement in the process. *Transportation Research Record*. 2014; 2452:71-80.

1b. **Transportation** (158 HIAs). Waheed F, Ferguson GM, Olsson CA, MacLellan JI, McCallum LC, Cole DC. Health impact assessment of transportation projects, plans and policies: A scoping review. *Environmental Impact Assessment Review*. 2018; 71:17–25.

2. **Criminal justice** (20 HIAs). Hom E, Dannenberg AL, Farquhar S, Thornhill L. A systematic review of health impact assessments in the criminal justice system. *American Journal of Criminal Justice*. 2017; 42(4):883–908.

3. **Education** (20 HIAs). Gase LN, DeFosset AR, Gakh M, Harris C, Weisman SR, Dannenberg AL. Review of education-focused health impact assessments conducted in the United States. *Journal of School Health*. 2017. 87(12):911-922.













4. **Food/nutrition/agriculture** (25 HIAs). Cowling K, Lindberg R, Dannenberg AL, Neff RA, Pollack K. Review of health impact assessments informing agriculture, food, and nutrition policies, programs, and projects in the United States. *Journal of Agriculture, Food Systems, and Community Development*. 2017; 7(3):139-157. <https://foodsystemsjournal.org/index.php/fsj/article/view/493/pdf> [.\(https://foodsystemsjournal.org/index.php/fsj/article/view/493/pdf\)](https://foodsystemsjournal.org/index.php/fsj/article/view/493/pdf)

5. **Energy and natural resources** (30 HIAs). Nkyekyer E, Dannenberg AL. Use and effectiveness of health impact assessment in the energy and natural resources sector in the United States, 2007–2016. *Impact Assessment and Project Appraisal*. 2018; 37(1):17-32.

6. **Climate change policies** (13 HIAs) – Dannenberg AL, Rogerson B, Rudolph L. Optimizing the health co-benefits of climate change policies using health impact assessment. *Journal of Public Health Policy*. 2019; <http://doi.org/10.1057/s41271-019-00189-y> [.\(http://doi.org/10.1057/s41271-019-00189-y\)](http://doi.org/10.1057/s41271-019-00189-y)

7. **Substance abuse** (21 HIAs) - Packer JM, Belvedere LM, Dannenberg AL, Barnes MD. Review of HIAs informing alcohol, tobacco, and marijuana prevention and control policies. Submitted for publication, 2019
8. **Housing** (40 HIAs). National Center for Healthy Housing. *A Systematic Review of Health Impact Assessments on Housing Decisions and Guidance for Future Practice*. 118 pages, March 2016. <http://www.nchh.org/Portals/0/Contents/Guidance-for-Conducting-HIAs-on-Housing-Decisions.pdf> ([https://planning-org-uploaded-media.s3.amazonaws.com/document/State-of-Health-Impact-Assessment-in-Planning.pdf](https://urldefense.proofpoint.com/v2/url?u=http-3A_www.nchh.org_Portals_0_Contents_Guidance-2Dfor-2Dconducting-2DHIAs-2Don-2DHousing-2DDecisions.pdf&d=DwMFaQ&c=2qwu4RrWzdINocmb_drAcw&r=cFxcM8GyHz8WPGpjyZz-oYBWJjCLF5LjvvhP0MxyWis&m=8Z8OILFXsMjIveGfXv16vaCwwDzh0cSTb0Tnoce2dRM&s=c_KDqBIOpi1FXWWytl-ldpzahVdRIKWGrmASaciNbo&e=).
9. Planning (134 HIAs). Ricklin A, Madeley M, Whitton E, Carey A. <i>The State of Health Impact Assessment in Planning</i>. American Planning Association. 53 pages, July 2016. <a href=) ([https://digital.lib.washington.edu/researchworks/bitstream/handle/1773/33839/Sohng_washington_02500_14688.pdf?sequence=1](https://urldefense.proofpoint.com/v2/url?u=https-3A_planning-2Dorg-2Duploaded-2Dmedia.s3.amazonaws.com_document_State-2Dof-2DHealth-2DImpact-2DAssessment-2Din-2DPlanning.pdf&d=DwMFaQ&c=2qwu4RrWzdINocmb_drAcw&r=cFxcM8GyHz8WPGpjyZz-oYBWJjCLF5LjvvhP0MxyWis&m=8Z8OILFXsMjIveGfXv16vaCwwDzh0cSTb0Tnoce2dRM&s=TILYOPmCm1Av_4GFvB9-xExkI5XN05sE1vSh1_4Row&e=).
10. Employment/labor (27 HIAs). Sohng HY. Evaluation of health impact assessments related to labor and employment. Masters' thesis. University of Washington. 2015. <a href=) ([## Course Summary:](https://urldefense.proofpoint.com/v2/url?u=https-3A_digital.lib.washington.edu_researchworks_bitstream_handle_1773_33839_Sohng-5Fwashington-5F02500-5F14688.pdf-3Fsequence-3D1&d=DwMFaQ&c=2qwu4RrWzdINocmb_drAcw&r=cFxcM8GyHz8WPGpjyZz-oYBWJjCLF5LjvvhP0MxyWis&m=8Z8OILFXsMjIveGfXv16vaCwwDzh0cSTb0Tnoce2dRM&s=GJHftt2a1vRJuRgLdxbqkxAH3zE1_7sMSzr9nTHvbXQ&e=)

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Date	Details	
Thu Apr 2, 2020	 ENV H 536 A Sp 20: Health Impact Assessment (https://canvas.uw.edu/calendar?event_id=1370995&include_contexts=course_1372509)	5pm to 7pm
Thu Apr 9, 2020	 ENV H 536 A Sp 20: Health Impact Assessment (https://canvas.uw.edu/calendar?event_id=1370996&include_contexts=course_1372509)	5pm to 7pm
Thu Apr 16, 2020	 ENV H 536 A Sp 20: Health Impact Assessment (https://canvas.uw.edu/calendar?event_id=1370997&include_contexts=course_1372509)	5pm to 7pm
Thu Apr 23, 2020	 ENV H 536 A Sp 20: Health Impact Assessment (https://canvas.uw.edu/calendar?event_id=1370998&include_contexts=course_1372509)	5pm to 7pm
	 Required Paper #1: Critique of existing completed HIA (https://canvas.uw.edu/courses/1372509/assignments/5398006)	due by 5pm
Thu Apr 30, 2020	 ENV H 536 A Sp 20: Health Impact Assessment (https://canvas.uw.edu/calendar?event_id=1370999&include_contexts=course_1372509)	5pm to 7pm
Thu May 7, 2020	 ENV H 536 A Sp 20: Health Impact Assessment (https://canvas.uw.edu/calendar?event_id=1371000&include_contexts=course_1372509)	5pm to 7pm
Thu May 14, 2020	 ENV H 536 A Sp 20: Health Impact Assessment (https://canvas.uw.edu/calendar?event_id=1371001&include_contexts=course_1372509)	5pm to 7pm
Thu May 21, 2020	 ENV H 536 A Sp 20: Health Impact Assessment (https://canvas.uw.edu/calendar?event_id=1371002&include_contexts=course_1372509)	5pm to 7pm
Thu May 28, 2020	 ENV H 536 A Sp 20: Health Impact Assessment (https://canvas.uw.edu/calendar?event_id=1371003&include_contexts=course_1372509)	5pm to 7pm
Thu Jun 4, 2020	 ENV H 536 A Sp 20: Health Impact Assessment (https://canvas.uw.edu/calendar?event_id=1371004&include_contexts=course_1372509)	5pm to 7pm
	 Required paper #2: Comments on class draft HIA report and reflections on HIA process (https://canvas.uw.edu/courses/1372509/assignments/5398044)	due by 5pm