**Journey to Success Seminar: Critical Evaluation of Epidemiologic Literature**

**Friday 4-5pm (Pacific Time), 7-8pm (Eastern Time), Saturday 8-9am (Korea)**

**Instructor: Sadie Costello, PhD**

**The Seminar will be online**  
<https://www.gotomeet.me/journey-to-success>  
**You can also dial in using your phone.**  
United States: +1 (786) 535-3211   
**Access Code: 834-241-389**

Students will learn to critically evaluate the literature regarding the association between ambient air pollution and youth mental health over the course of 12 one-hour online seminars. We will first cover the structure of literature review papers using an example regarding occupational diesel exhaust and death from COPD. We will then critically evaluate 5 published papers regarding air pollution and youth mental health. The students are expected to attend each online session having done the assigned reading and completed the assigned sections of the Critique Form. If deemed appropriate by the students, Daisy Kang, and the instructor, the students will write and submit a review article summarizing the findings from the 5 articles and recommending next research steps.

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| Date | Reading | Discussion |
| September 7 | 1. Hart, Eisen & Laden Occupational diesel exhaust exposure as a risk factor for COPD. Curr Opin Pulm Med. 2012 March ; 18(2): 151–154. doi:10.1097/MCP.0b013e32834f0eaa 2. Critique Form | Structure of a review paper  Overview of critique form |
| September 14 | Kim Y, Myung W, Won H-H, Shim S,  Jeon HJ, Choi J, et al. (2015) Association between Air Pollution and Suicide in South Korea: A Nationwide Study. PLoS ONE 10(2): e0117929. | Questions 1-5 on critique form |
| September 21 | Kim Y, Myung W, Won H-H, Shim S,  Jeon HJ, Choi J, et al. (2015) Association between Air Pollution and Suicide in South Korea: A Nationwide Study. PLoS ONE 10(2): e0117929. | Question 6( A, B,& C) on critique form |
| September 28 | No Seminar |  |
| October 5 | Shin J, Park JY, Choi J (2018) Long-term  exposure to ambient air pollutants and mental health status: A nationwide population-based cross-sectional study. PLoS ONE 13(4): e0195607. | Questions 1-5 on critique form |
| October 12 | Shin J, Park JY, Choi J (2018) Long-term  exposure to ambient air pollutants and mental health status: A nationwide population-based cross-sectional study. PLoS ONE 13(4): e0195607. | Question 6( A, B,& C) on critique form |
| October 19 | Oudin A, Bråbäck L, Åström DO, et al. Association between neighbourhood air pollution concentrations and dispensed medication for psychiatric disorders in a large longitudinal cohort of Swedish children and adolescents. BMJ Open 2016;6:e010004. | Questions 1-5 on critique form |
| October 26 | Oudin A, Bråbäck L, Åström DO, et al. Association between neighbourhood air pollution concentrations and dispensed medication for psychiatric disorders in a large longitudinal cohort of Swedish children and adolescents. BMJ Open 2016;6:e010004. | Question 6( A, B,& C) on critique form |
| November 2 (Sadie not avail) | No Seminar |  |
| November 9 | MIECZYSŁAW SZYSZKOWICZ,  AIR POLLUTION AND EMERGENCY DEPARTMENT VISITS FOR DEPRESSION IN EDMONTON, CANADA International Journal of Occupational Medicine and Environmental Health 2007;20(3):241 – 245 | Questions 1-5 on critique form |
| November 16 | MIECZYSŁAW SZYSZKOWICZ,  AIR POLLUTION AND EMERGENCY DEPARTMENT VISITS FOR DEPRESSION IN EDMONTON, CANADA International Journal of Occupational Medicine and Environmental Health 2007;20(3):241 – 245 | Question 6( A, B,& C) on critique form |
| November 23 (Thanksgiving) | No Seminar |  |
| November 30 | Victoria Sass,⁎, Nicole Kravitz-Wirtz, Steven M. Karceski, Anjum Hajat,  Kyle Crowder, David Takeuchi The effects of air pollution on individual psychological distress *Health & Place 48 (2017) 72–79* | Questions 1-5 on critique form |
| December 7 | Victoria Sass,⁎, Nicole Kravitz-Wirtz, Steven M. Karceski, Anjum Hajat,  Kyle Crowder, David Takeuchi The effects of air pollution on individual psychological distress *Health & Place 48 (2017) 72–79* | Question 6( A, B,& C) on critique form |
| December 14 | 1. Kim Y, Ng C, Chung Y, Kim H, Honda Y. et. al. Air Pollution and Suicide in 10 Cities in Northeast Asia: A Time-Stratified Case-Crossover Analysis, Environmental Health Perspectives 2018 vol: 126 (03) 2. Nate Seltenrich, Air Pollution and Suicide: Exploring a Potential Risk Factor Environmental Health Perspectives 2018 vol: 126 (07) | Discuss latest literature, commentary, and potential for paper |