

Sense Air

Custom Air Quality Reports

Project Development Team:

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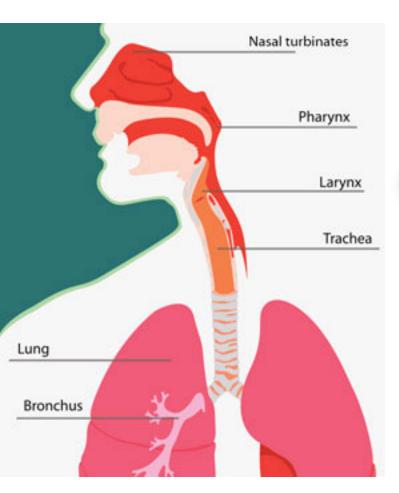
The Environmental Issue

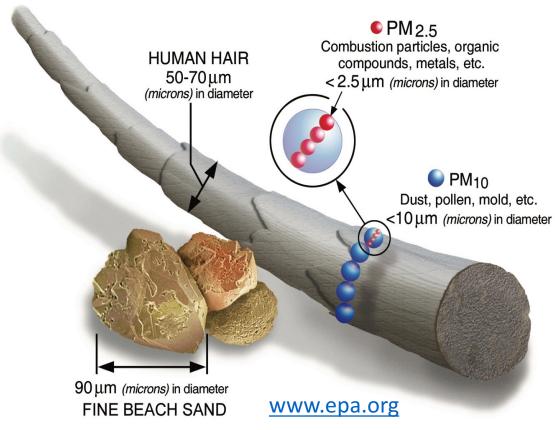




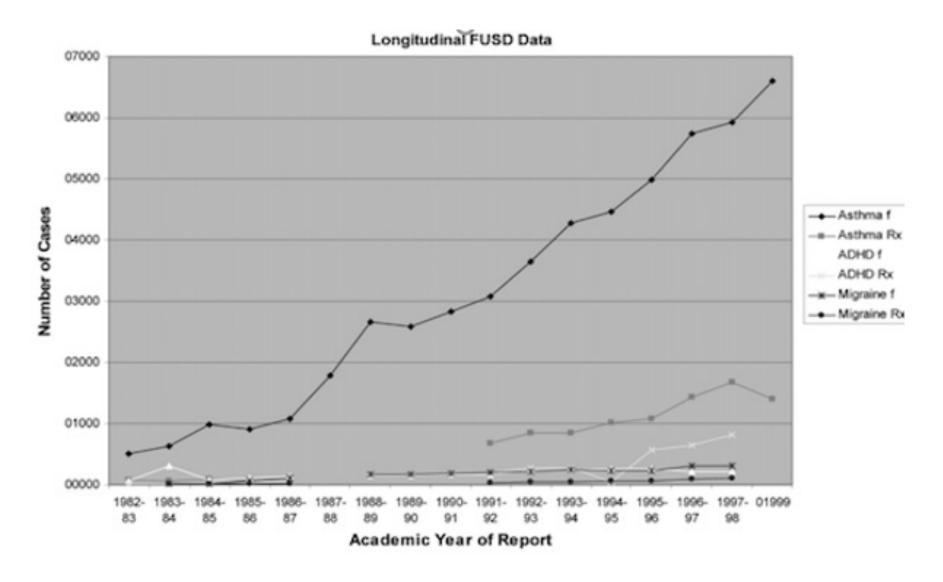


The Air





The Health Issue



The Health Issue

Research report

J Epidemiol Community Health 2010;64:142—147. doi:10.1136/jech.2009.083576

Outdoor air pollution and uncontrolled asthma in the San Joaquin Valley, California

Ying-Ying Meng,¹ Rudolph P Rull,^{2,3} Michelle Wilhelm,⁴ Christina Lombardi,¹ John Balmes,^{5,6} Beate Ritz⁴

Journal of Toxicology and Environmental Health, Part A, 71: 512–520, 2008

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Particulate Matter (PM_{2.5}, PM_{10-2.5}, and PM₁₀) and Children's Hospital Admissions for Asthma and Respiratory Diseases: A Bidirectional Case-Crossover Study

Lokman Hakan Tecer¹, Omar Alagha², Ferhat Karaca², Gürdal Tuncel³, and Nilufer Eldes⁴

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AIR QUALITY INDEX: 0-50 HEALTH STATEMENT: NO LIMITATIONS



AIR QUALITY INDEX: 51-100 HEALTH STATEMENT: EXTREMELY SENSITIVE GROUPS SHOULD BE CAREFUL WHEN OUTDOORS



AIR QUALITY INDEX: 101-200 HEALTH STATEMENT: SENSITIVE GROUPS SHOULD LIMIT OUTDOOR EXERTION

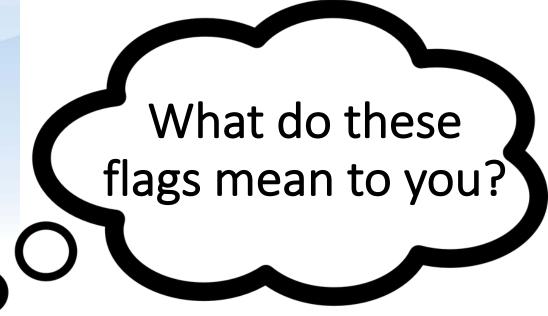


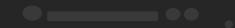
AIR QUALITY INDEX: 151-200 HEALTH STATEMENT: EVERYONE SHOULD LIMIT OUTDOOR EXERTI









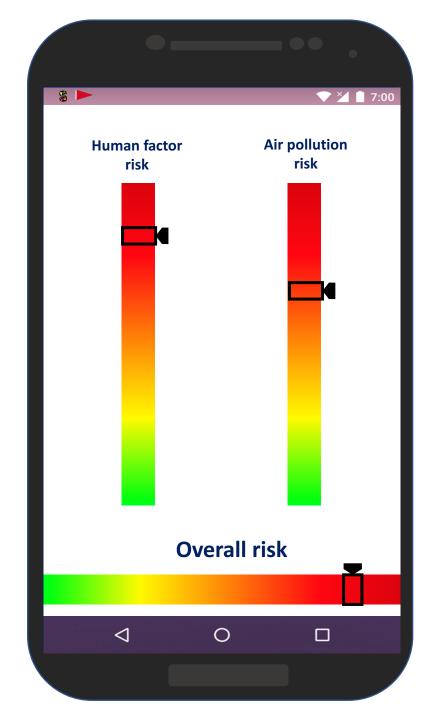




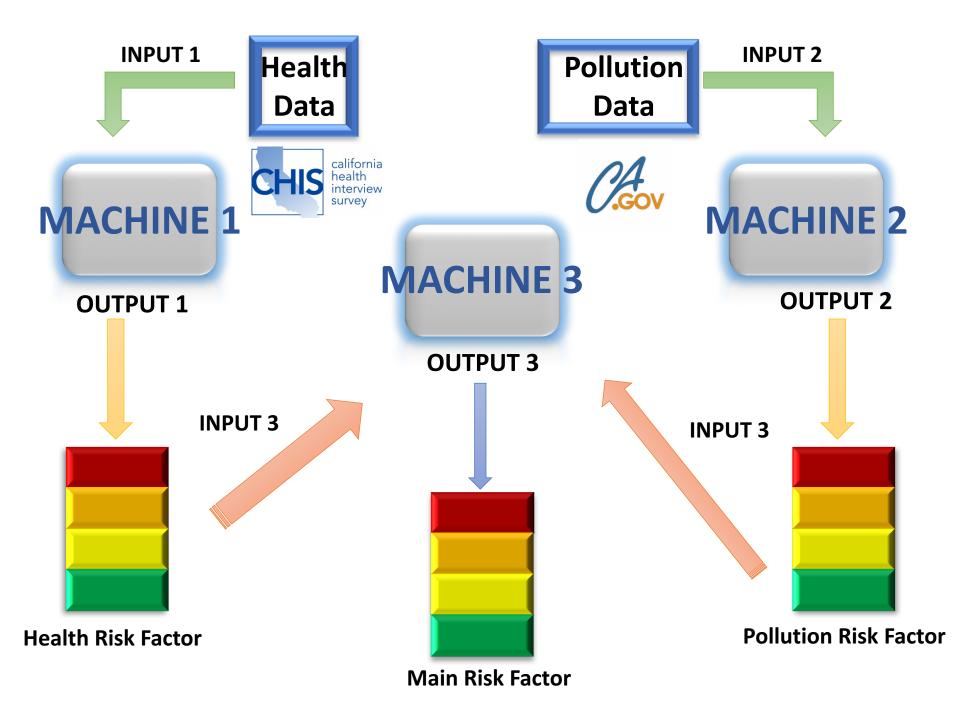




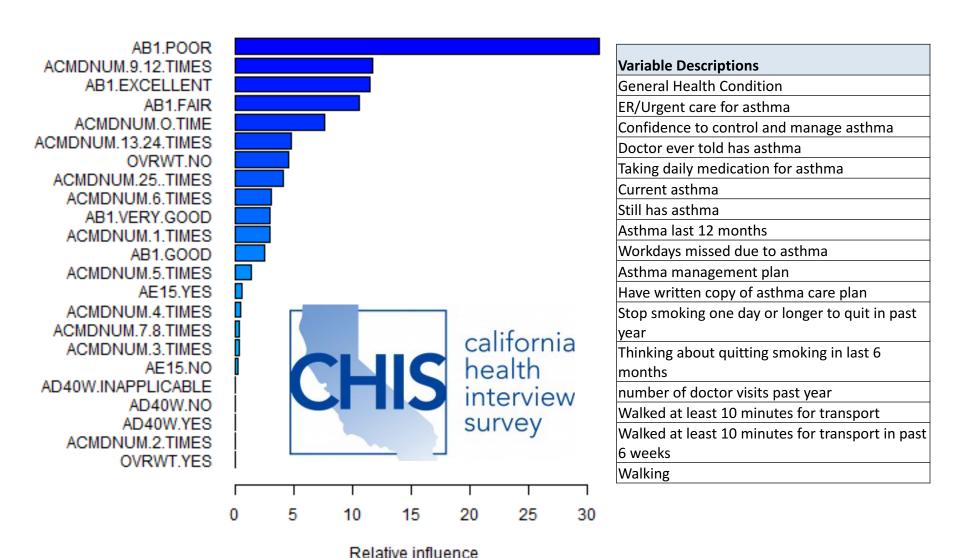








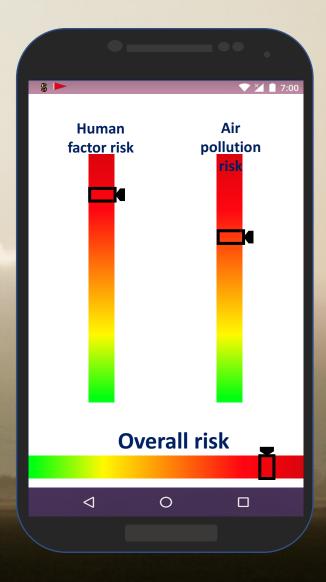
Results



Sense Air Timeline and Progress

SENSE AIR PROJECT TIMELINE				
TASK DESCRIPTION	JANUARY	FEBRUARY	MARCH	APRIL
Idea Development and Design				
Networking				
Literature Review				
Considering Data Available				
Collecting Data				
Assessed resources				
Data mining				
Data cleaning and compiling				
Analyzed Data				
Prepped Data for Presentation				

Summary



Moving Forward



Broader Impacts





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Health Sciences
RESEARCH INSTITUTE







Gratitude and Acknowledgments

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<u>Project Advisor</u>: Janice Zdankus (HPE)

Project Advisor: Spike Narayan (IBM)

Dean Juan Meza

Dean Marjorie Zatz

Inaugural NSF-ICGE Team!



