Advance AntiRacism and Health Equity with Data

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Empower Communities to Improve their Health and Environment with Data

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COVID-19 Devastates Polluted Communities of Color

Urban Air Pollution May Enhance COVID-19 Case-Fatality and Mortality Rates in the United States

Donghai Liang,1,2,5 Lihua Shi,1,5 Jingxuan Zhao,6 Pengfei Liu,1 Jeremy A. Sarnat,1 Song Gao,1 Joel Schwartz,1 Yang Liu,4 Stefanie T. Ebel,1 Noah Scowronick,1 and Howard H. Chang1

Air pollution, racial disparities, and COVID-19 mortality

Eric B. Brandt, PhD,1 Andrew F. Beck, MD, MPH,1 and Tesfaye B. Mersha, PhD1

Cincinnati, Ohio

Air pollution and COVID-19 mortality in the United States: Strengths and limitations of an ecological regression analysis

X. Wu1, R. C. Nethery1, M. B. Sabath1, D. Braun1,2, F. Dominici1

https://www.science.org/doi/10.1126/sciadv.abd4049#F1
LA County: COVID-19 Cases High in Asthma Danger Areas


SmartAirLA, https://fightasthma.info/finder
Real-Time COVID-19 Interventions for NHPI-AA Vulnerable Communities

*Can an Algorithm Predict the Pandemic’s Next Moves?*

Researchers have developed a model that uses social-media and search data to forecast outbreaks of Covid-19 well before they occur.

COVID-19 Vulnerable Areas in NHPI and AA Communities

NHPI COVID Vulnerable Areas

AA COVID Vulnerable Areas

SmartAirLA, April 14, 2021
Empower Patients and Families to Fight Asthma
www.fightasthma.info

Los Angeles
October 24, 2021 4:01 pm

MODERATE Asthma Danger

- Use controller as prescribed
- Carry rescue inhaler
- Avoid strenuous outdoor activities near pollution areas

Powered by SmartAirLA

Users agree to Terms of Use.
Patients should contact a doctor for a medical emergency.
Protect Yourself When Asthma Danger is High

TEXT "ASTHMA" TO 213-340-0205

Free reminders to:
• carry medication
• avoid pollution

Text is anonymous
Unsubscribe anytime

www.fightasthma.info
Protéjase Cuando El Peligro del Asma es Alto

TEXTÉ "ASMA" A 213-340-0205

Recordatorios gratuitos para:
• Llevar el medicamento
• Evitar la contaminación

El texto es anónimo
Anule la suscripción en cualquier momento

www.fightasthma.info
Culturally Competent and Easily Understandable

twitter.com/SmartAirLA/status/1390533909071368194?s=20
Asthma Danger Text Improves Asthma Self Management Among Underserved Patients

- Feel Better About Controlling My Asthma
- More Aware of My Symptoms
- Reminds Me to Take My Medication

"Yes" survey responses from asthma patients who receive the SmartAirLA Asthma Danger Text*
"I felt empowered to prevent an emergency"

“The Text raised my antennas on how I should feel”

“It’s a wake-up reminder when you’re in a hurry and forget to take your medication.”

Asthma Danger Text alerts recipients in English or Spanish to carry their prescribed medication, avoid pollution when there is high asthma attack danger.