Global Threat – Local Impact: Maryland Perspectives on Climate Change and Health

Leading into 2050: Building Resilience for Health, Climate & Biodiversity

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2011 2012 2013 2014 2015 2016 2017

https://droughtmonitor.unl.edu/

Capital Weather Gang

Weather Service: BWI witnessed "between a 500 year and 1,000 year rainfall"

August 12, 2014

year



Inhofe brings snowball on Senate floor as evidence globe is not warming

By Ted Barrett, CNN

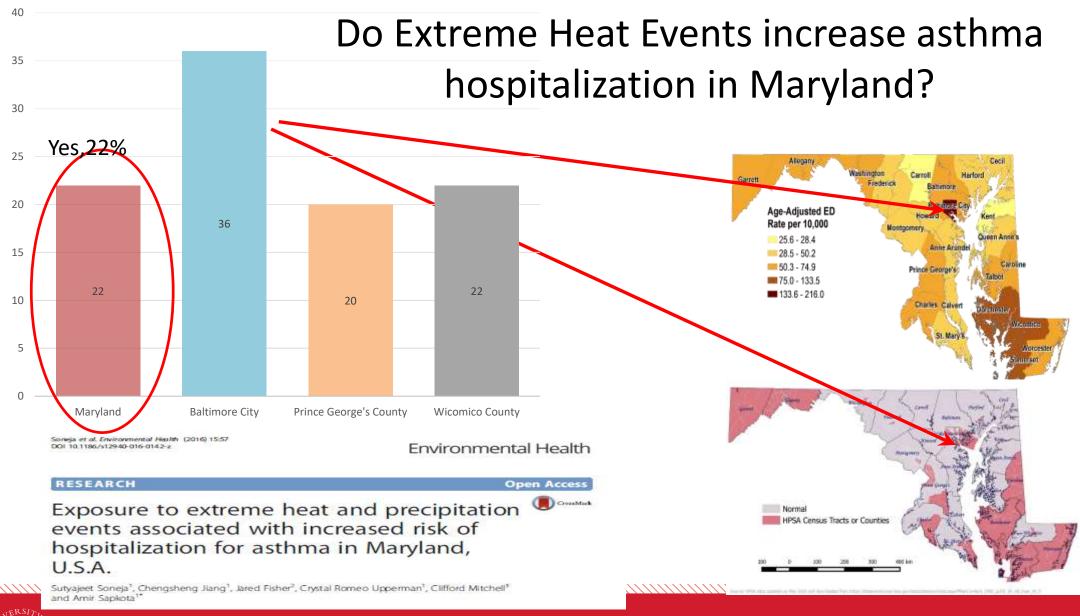
Updated 2:38 PM EST, Fri February 27, 2015



years flood

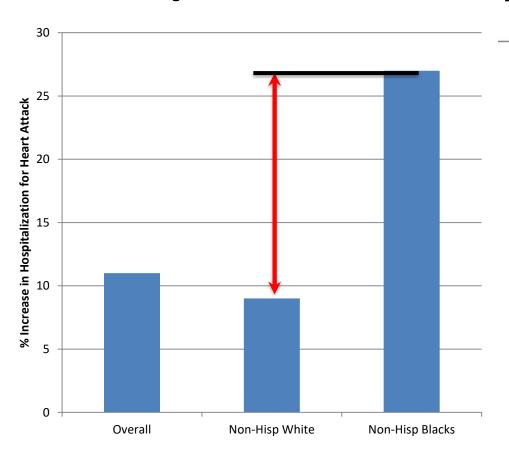
Maryland Gov. Larry Hogan late Sunday night declared a state of emergency in what he called a "once-every-1,000-years flood."







Extreme Heat Events and Risk of Hospitalization for Heart Attack



Journal of Exposure Science and Environmental Epidemiology (2017) 27, 276–280 © 2017 Nature America, Inc., part of Springer Nature. All rights reserved 1559-0631/17 www.nature.com/les

ORIGINAL ARTICLE

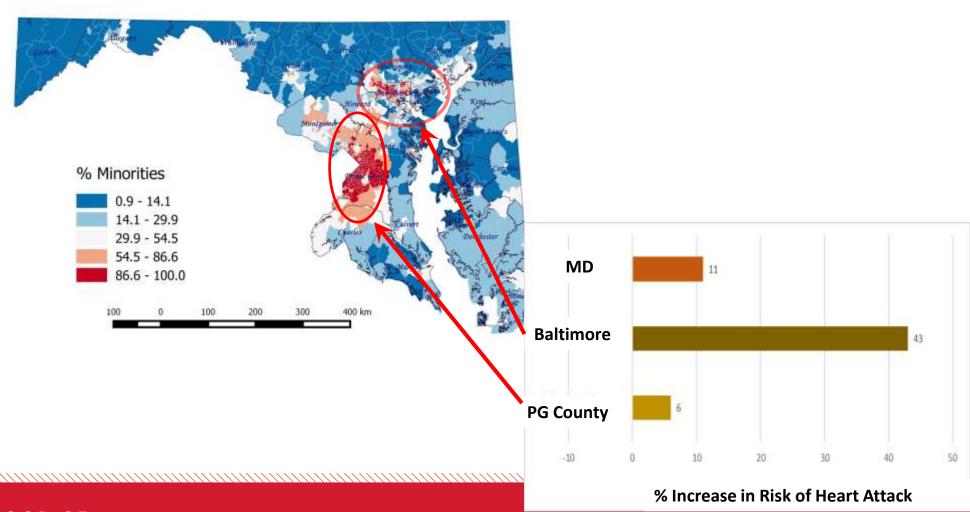
Summertime extreme heat events and increased risk of acute myocardial infarction hospitalizations

Jared A. Fisher^{1,2}, Chengsheng Jiang¹, Sutyajeet I. Soneja¹, Clifford Mitchell³, Robin C. Puett^{1,2} and Amir Sapkota¹

Series1



Is the risk of EHE related heart attack higher in counties with higher proportion of minority population?



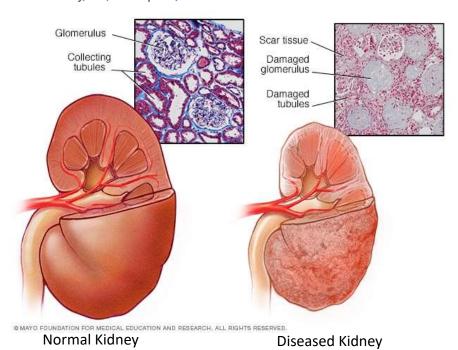




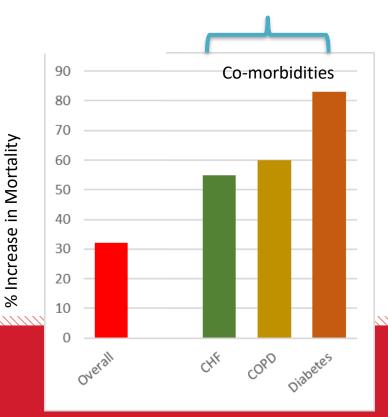
Original Investigation | Nephrology

Association of Extreme Heat Events With Hospital Admission or Mortality Among Patients With End-Stage Renal Disease

Richard V. Remigio, MPhil, MS; Chengsheng Jiang, PhD; Jochen Raimann, MD, PhD, MPH; Peter Kotanko, MD; Len Usvyat, PhD; Frank W. Maddux, MD; Patrick Kinney, ScD; Amir Sapkota, PhD

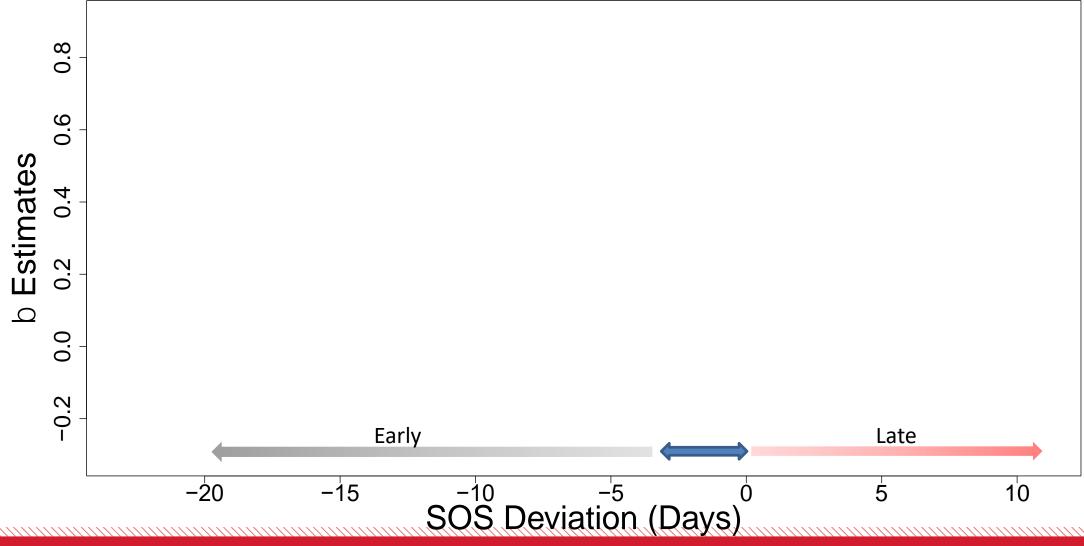


Risk of Mortality from Extreme Heat Among End-Stage Renal Disease Patients





Changes in Timing of Spring Onset and Asthma Hospitalization





Moving Forward

- Paradigm shift: Anticipate hazard and prepare for it.
- Enhance community resilience Early warnings, with seasonal to sub seasonal lead time.
- Example : AWARD-APR

Enhancing community resilience against threats of diarrheal diseases in the Asia Pacific Region

