



Heeding the Bleeding

J. Joelle Donofrio, DO, FAAP, FACEP, FAEMS

Associate Medical Director, San Diego Fire-Rescue

EMS Medical Director Rady Children's Hospital of San Diego

Assistant Professor, University of California, San Diego

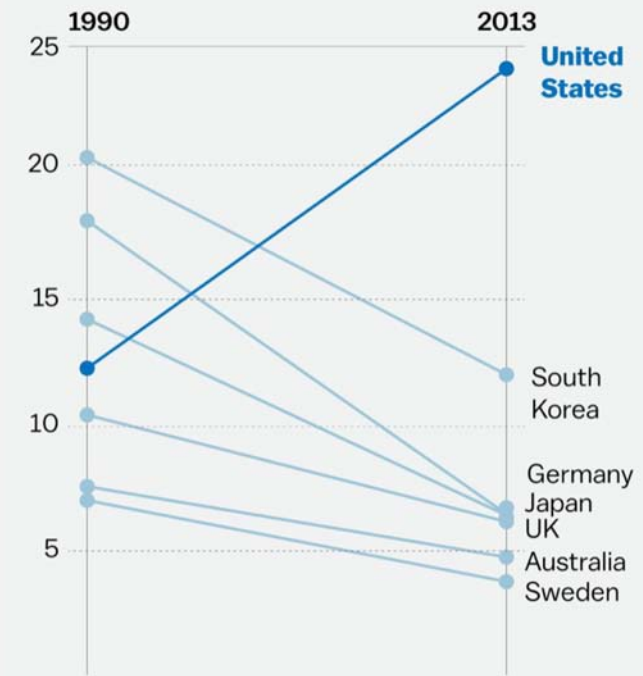
California decided it was tired of women bleeding to death in childbirth

The maternal mortality rate in the state is a third of the American average. Here's why.

By Julia Belluz | @juliaoftoronto | julia.belluz@voxmedia.com | Jun 29, 2017, 9:20am EDT

The US is an outlier. In most wealthier nations, the maternal mortality rate is dropping

Pregnancy-related death per 100,000 live births

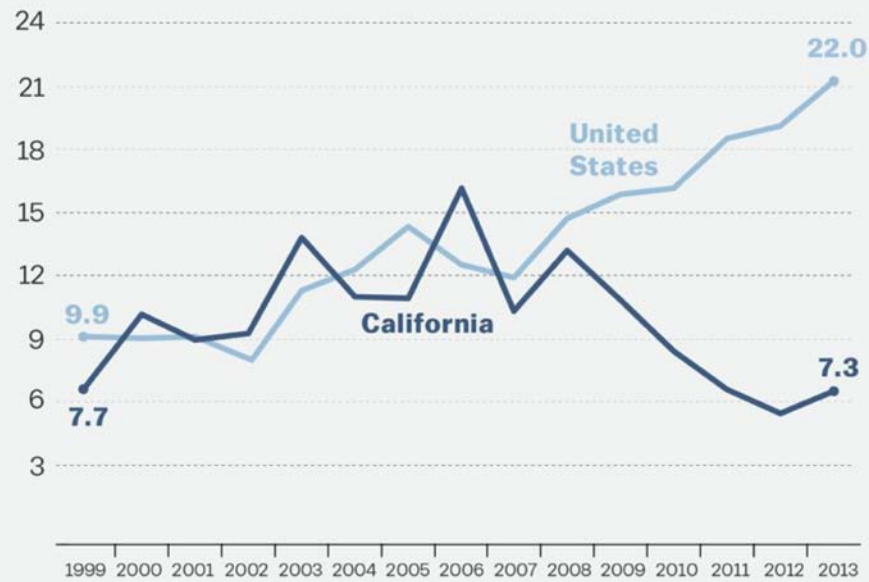


SOURCE: Institute for Health Metrics and Evaluation and Journal of Obstetrics & Gynecology

Vox

California has bucked America's maternal mortality trend

Maternal deaths per 100,000 live births



SOURCE: California Department of Public Health

Vox



Trauma Triad of Death

- Coagulopathy
- Metabolic Acidosis
- Hypothermia

NOT unique to trauma

California L&D Centers

- Early and aggressive staging of bleed
- Prepared steps to stop the bleed
- Early pRBC and massive transfusion protocols



CMQCC
California Maternal
Quality Care Collaborative

<https://www.cmqcc.org>

Starts in the field

1. Perfusion matters
2. Oxygenate
3. Keep Warm
4. Stop the bleed
5. Early blood and TXA
(pending on scope of practice)
6. Diesel to definitive care
(ie OBSTETRICS)



SAVE A LIFE



California has bucked America's maternal mortality trend

Maternal deaths per 100,000 live births



SOURCE: California Department of Public Health

Vox



And so can you

Thank you

Joelle

@PEMEMS

jdonofrio@ucsd.edu