



ANNUAL MEETING

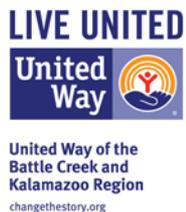
Thursday, November 16

Dr. Cathy Kothari, *Assistant Professor, WMed*

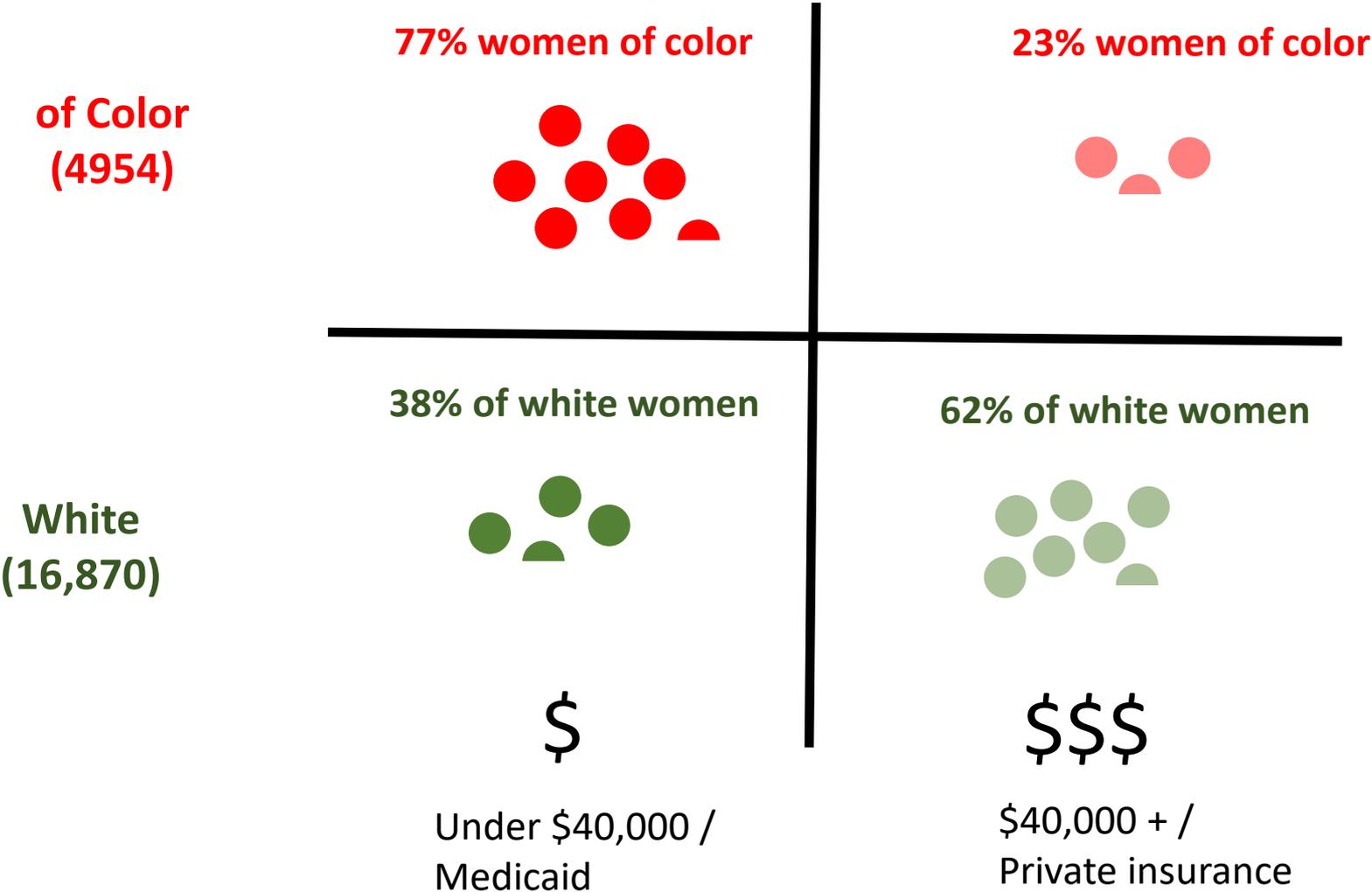


DAY-TO-DAY STRESSORS, INCLUDING DISCRIMINATION, IMPACTS HEALTH

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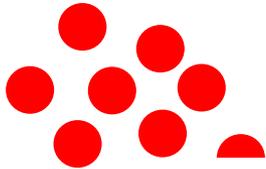
Kalamazoo County Birth Records, 2008-2014



Day-to-Day Income Stressors

(n=121 lower-income survey moms)

75% women of color



35% of white women



Under \$40,000 /
Medicaid

We....

- Don't have enough to eat (8%)
- Rent (66%) or live with other family (22%)
- Do not have good childcare (19%)

Neighborhood...

- Neighbors don't help each other (25%)
- Isn't welcoming (17%)
- Isn't safe (12%)

Larger community...

- Does not take good care of my neighborhood (54%)

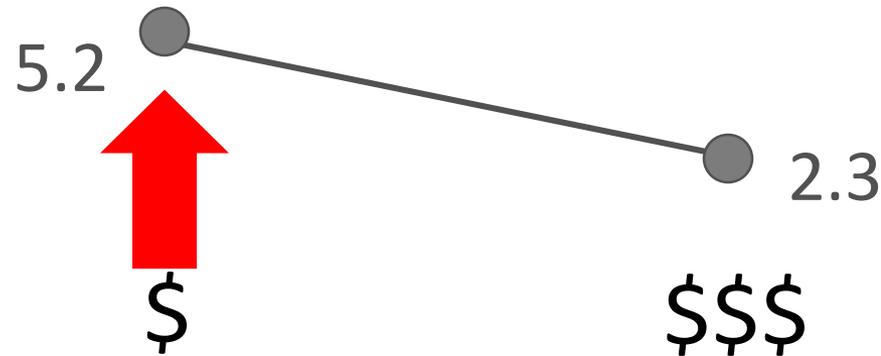
Stress Changes Biology (Ong et al, 2017)

- Increases cortisol levels
- Increases blood pressure
- Changes metabolism (lipid / glucose)
- Increases Inflammatory response
- Agitates the sympathetic nervous system

Ong, AD, Nwizu, U., Williams DR, Gruenewald, TL. (2017). Everyday Unfair Treatment & Multisystem Biological Dysregulation in African American Adults. *Cultural Diversity & Ethnic Minority Psychology*. Vol 23., no 1, p27-35.

Poverty doubles chances of infant dying

Estimated Infant Mortality Rate:
Kalamazoo County, 2010-2016*

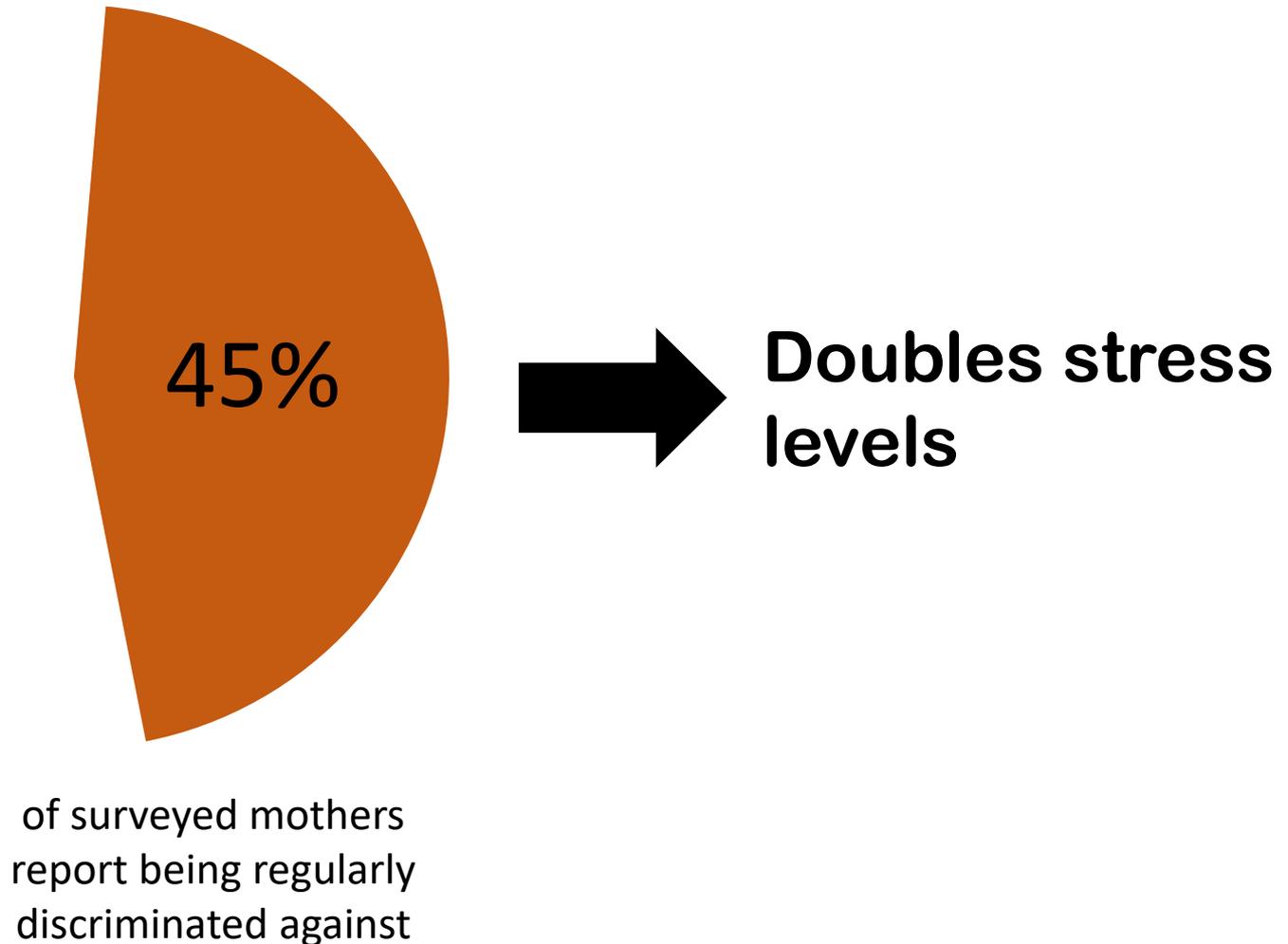


*Unofficial Rates: # deaths per 1,000 births (N=128).

NOTE: Income was defined by whether delivery was paid by Medicaid (\$) or private insurance (\$\$\$).

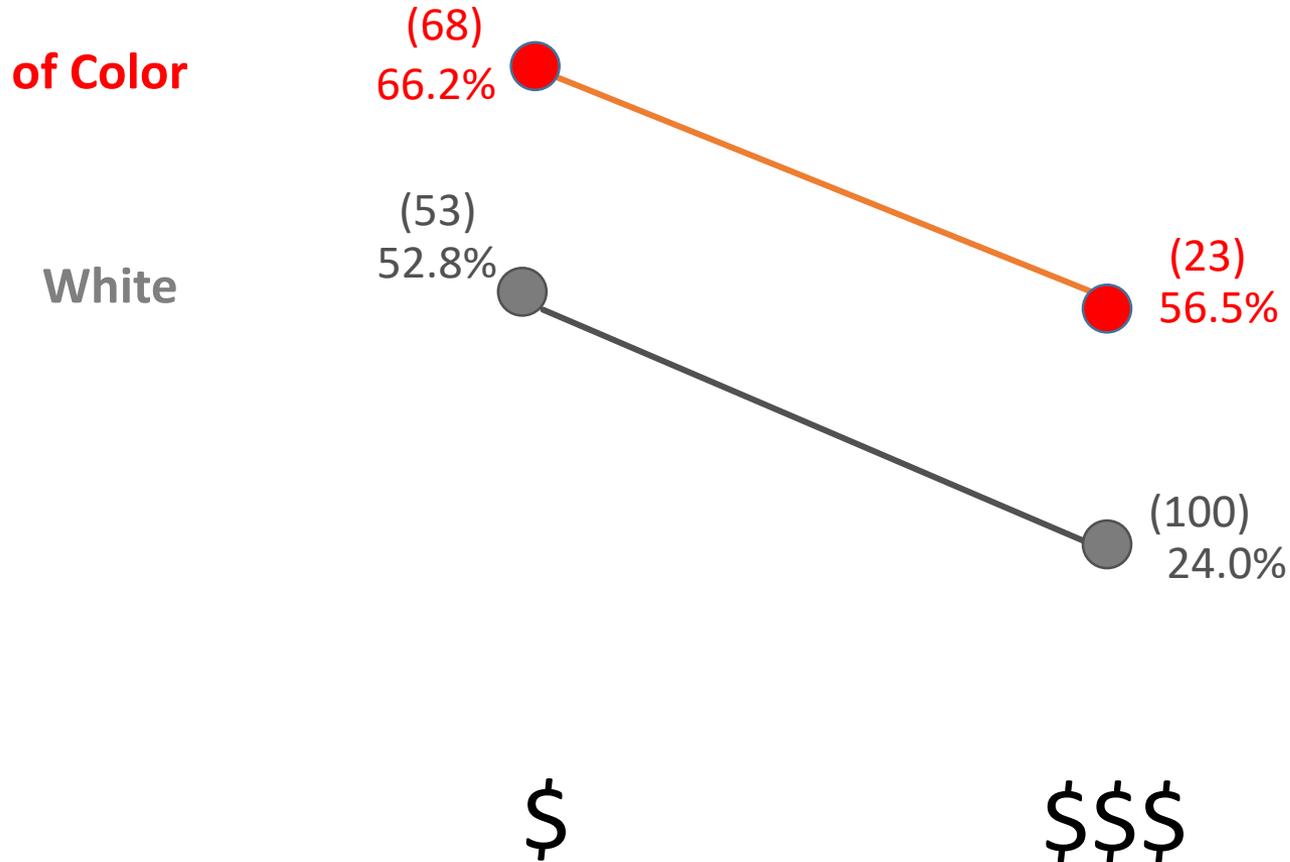
Unfair treatment is a stressor

(n=254 survey moms)

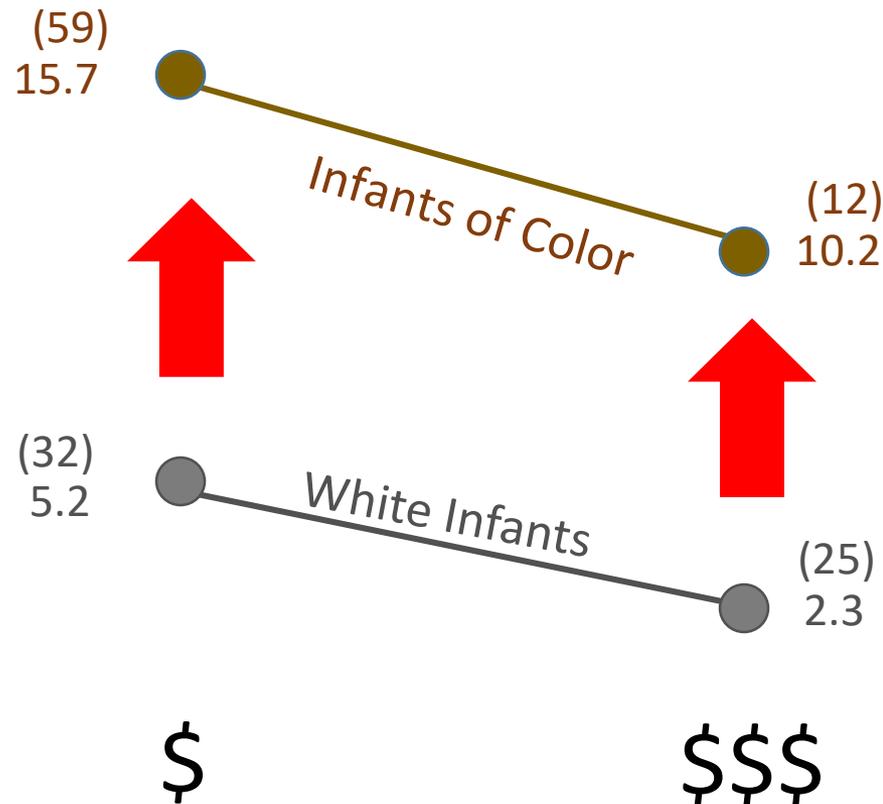


Survey Moms Reporting Unfair Treatment

-% with monthly or more frequent-



Living in Kalamazoo as a person of color triples chances of infant dying



*Unofficial Rates: # deaths per 1,000 births (N=128).

NOTE: Income was defined by whether delivery was paid by Medicaid (\$) or private insurance (\$\$\$).

Every baby lost is a future lost....

...they are also a
marker for child health
& community well-
being

