SDOH in Pregnancy Outcomes

NNEPQIN AIM/ERASE Maternal Mortality Monthly Webinar

Trinidad Tellez, MD April 8, 2021



No Disclosures

Objectives

At the end of this session participants will be able to:

- Name at least one upstream contributor or determinant of health
- Identify at least one potential midstream point of intervention
- List at least one equity-promoting strategy we can implement



"It's common to blame women for their own deaths. Many scientific publications have cited that women are coming to pregnancy older (called advanced maternal age, or geriatric pregnancy), sicker (with hypertension, diabetes or other chronic illnesses) and fatter (that is, suffering from obesity)."

 $\underline{\text{https://www.scientificamerican.com/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-in-childbirth-first-stop-blaming-them/article/to-prevent-women-from-dying-them/article/to-prevent-women-from-dying-them/article/to-prevent-women-from-dying-the-firs$

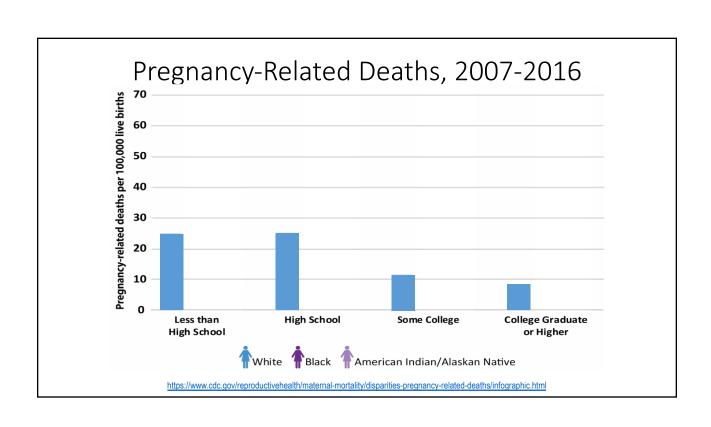
Health Disparities

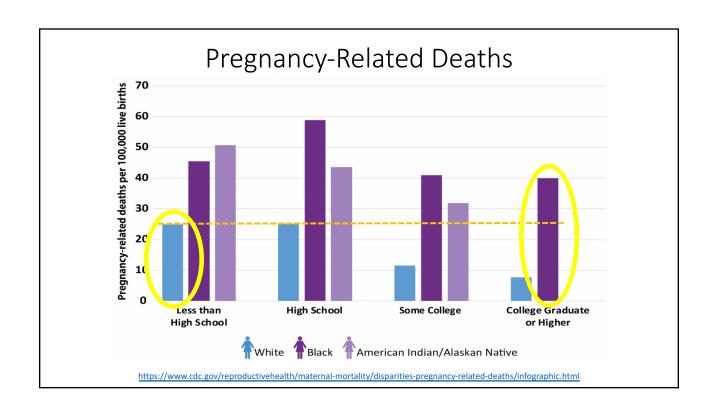


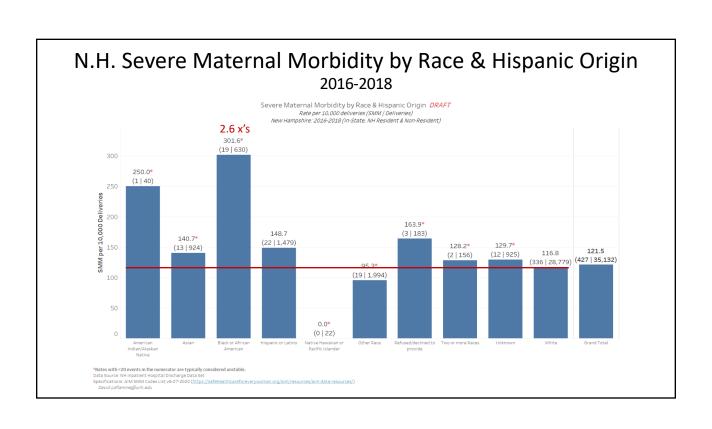
Health Disparities are the *metrics* we use to measure progress toward <u>achieving</u> health equity

- Paula Braveman and Laura Gottlieb

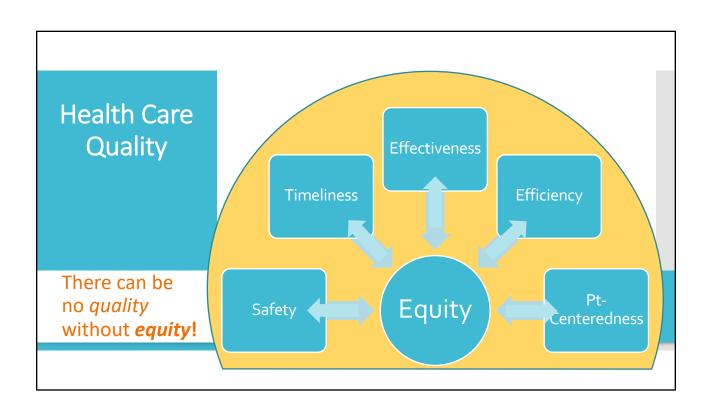
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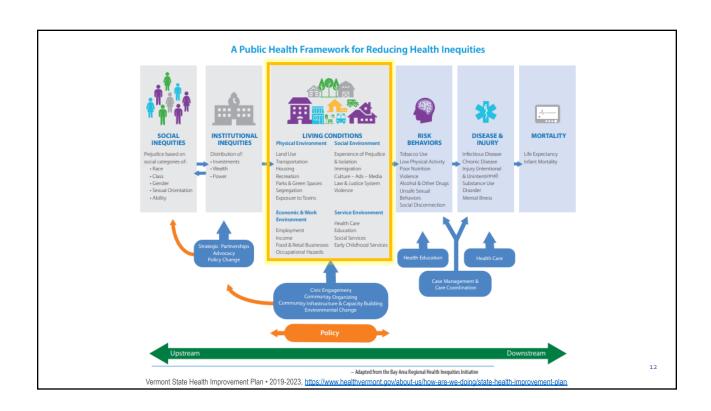
Health Care Should Be: Safe Effective Patient Centered Timely Efficient Equitable



Health equity means that everyone has a fair and just opportunity to be as healthy as possible.

Braveman P, Arkin E, Orleans T, Proctor D, and Plough A. What Is Health Equity? And What Difference Does a Definition Make?
Princeton, NJ: Robert Wood Johnson Foundation, 2017
https://www.nwif.org/en/library/research/2017/05/what-is-health-equity-.html

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Health equity means that everyone has a fair and just opportunity to be as healthy as possible.

To achieve this, we must remove obstacles to health such as poverty, discrimination, and deep power imbalances — and their consequences, including lack of access to good jobs with fair pay, quality education and housing, safe environments, and health care.

Human Impact Partners' HealthEquityGuide.org https://healthequityguide.org/about/defining-health-equity/

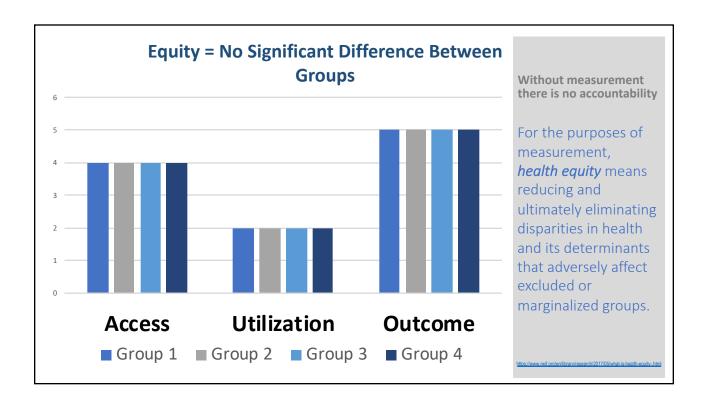
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What Is Health Equity?

The following should be added when the definition is used to guide measurement; without measurement there is no accountability:

For the purposes of measurement, health equity means reducing and ultimately eliminating disparities in health and its determinants that adversely affect excluded or marginalized groups.

Braveman P, Arkin E, Orleans T, Proctor D, and Plough A. What Is Health Equity? And What Difference Does a Definition Make?
Princeton, NJ: Robert Wood Johnson Foundation, 2017



Capacity to disaggregate data to identify disparities depends on our *collection* of those demographic/SES/SDOH identifiers!

...by age
...by geography
...by insurance status
...by sexual orientation
...by gender identity
...by race/ethnicity
...by language
...by veteran status

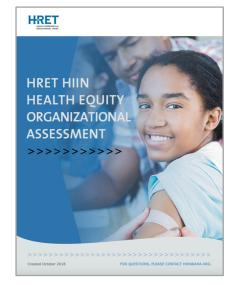
...by disability status
...by migrant status
...by access to housing
...by income
...by employment status
...by education level
...by incarceration history
...by distance to service

And those identifiers need to be collected correctly and consistently!

Health Equity [Data] Organizational Assessment

HRET 2018

- 1) Data collection: self-reporting methodology
- 2) Data collection training
- 3) Data validation
- 4) Data stratification
- 5) Communicate findings: equity dashboard
- 6) Address and resolve gaps in care: implement interventions
- 7) Organizational infrastructure and culture: cultural and linguistic competence, leadership, policies



http://www.wsha.org/wp-content/uploads/Health-Equity-Metric-Guidance_WSHA.pd

Potential Quality Metrics: Sample Dashboards

Clinical

Figure 2. Dashboard displaying race and ethnicity associated with 30-day readmissions

30-day Readmissions	White	Hispanic	African- American	American Indian	Asian	Unknown/ Other	Overall
Overall rate	##.#%	##.#%	##.#%	##.#%	##.#%	##.#%	##.#%
Overall volume	#	#	#	#	#	#	#
Heart failure rate	##.#%	##.#%	##.#%	##.#%	##.#%	##.#%	##.#%
Heart failure volume	#	#	#	#	#	#	#
AMI rate	##.#%	##.#%	##.#%	##.#%	##.#%	##.#%	##.#%
AMI volume	#	#	#	#	#	#	#
Pneumonia rate	##.#%	##.#%	##.#%	##.#%	##.#%	##.#%	##.#%
Pneumonia volume	#	#	#	#	#	#	#
COPD rate	##.#%	##.#%	##.#%	##.#%	##.#%	##.#%	##.#%
COPD volume	#	#	#	#	#	#	#

Patient Satisfaction

Figure 4. Template dashboard displaying race and ethnicity by HCAHPS score

HCAHPS (Inpatient)	Non- Hispanic White N=	Hispanic N=	Black/ African- American N=	Asian N=	American Indian N=	Pacific Islander N=	Multiple Races N=
Overall rating	#	#	#	#	#	#	#
Overall hospital recommendation	#	#	#	#	#	#	#
Nurse communication	#	#	#	#	#	#	#
Doctor communication	#	#	#	#	#	#	#
Quiet at night	#	#	#	#	#	#	#
Room cleanliness	#	#	#	#	#	#	#
Pain control	#	#	#	#	#	#	#
Medication information	#	#	#	#	#	#	#
Discharge information	#	#	#	#	#	#	#
Staff responsiveness	#	#	#	#	#	#	#

Equity of Care: A Toolkit for Eliminating Health Care Disparities 2015, p. 35, http://www.hpoe.org/Reports-HPOE/equity-of-care-toolkit.pdf

Potential Respectful Maternity Care Indicators for Quality Improvement

Dignified care

- 1. Women treated with respect (subject to women's/local interpretation)
- 2. Providers introduce themselves to women
- 3. Women treated in a friendly manner (subject to women's/local interpretation)
- 4. Women called by name

Privacy and confidentiality

- 5. Physical privacy ensured (e.g., examined behind screens or curtains and other physical visual barriers)
- 6. Auditory privacy ensured (Private patient health information not heard by others)
- 7. Patient records and medical files are kept confidential (not accessible to people not involved in care provision)

No abuse

- 8. No verbal abuse (insults, intimidation, shouting, scolding, threatening)
- 9. No physical abuse (slapping, hitting, pushing, pinching, restraining, or otherwise beating the patient)
- 10. No episiotomy given or sutured without anesthesia

Autonom

- 11. Providers explain to women what to expect and any medications administered, or procedures performed
- 12. Women give informed consent prior to procedures and examinations
- 13. Women and family involved in care (e.g., decision making on treatment and procedures)
- 14. Women allowed to assume position of choice during labor and delivery

Communication

- 15. Women encouraged to and able to ask questions
- 16. Providers speaks to women in a language and at a language-level that they understand

Supportive care

- 17. Women allowed to have choice of companion during labor and delivery
- 18. Not denying women care (e.g., refusing care for any reason)
- 19. Not abandoning women during labor and delivery (e.g., not responding to woman's call for help) $\,$
- 20. Providers ask about emotional feelings and concerns of women
- 21. Women trust staff (subject to women's interpretation)1

A Rapid Review of Available Evidence to Inform Indicators for Routine Monitoring and Evaluation of Respectful Maternity Care https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7108935/



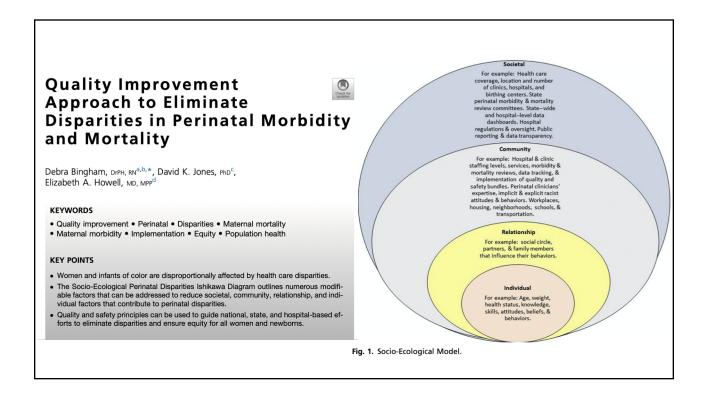
Focus on better understanding underlying contributors, including:

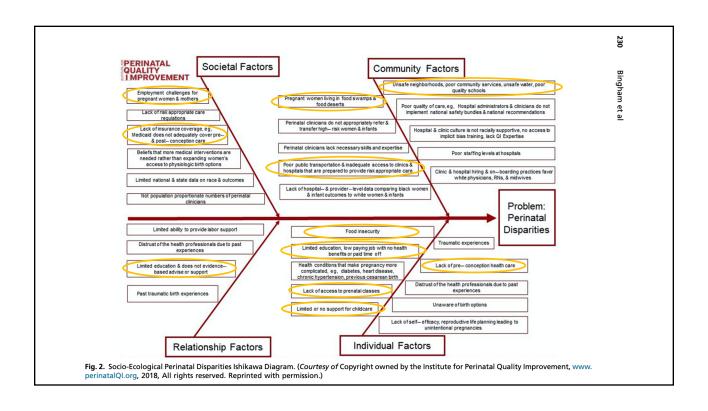
- Lack of data
- Not educating pts about signs and sx's -and not believing them when they speak up
- Errors made by health care providers
- Poor communication among different health care teams

Interventions effective in improving maternal health outcomes, such as:

- Midwifery
- Group prenatal care
- Social and doula support

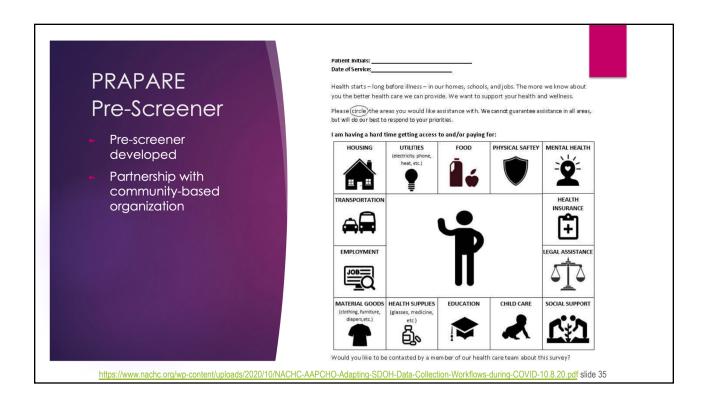
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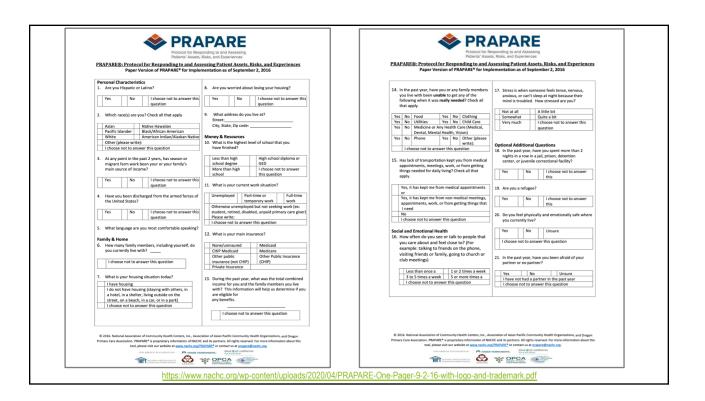


Where can we intervene?

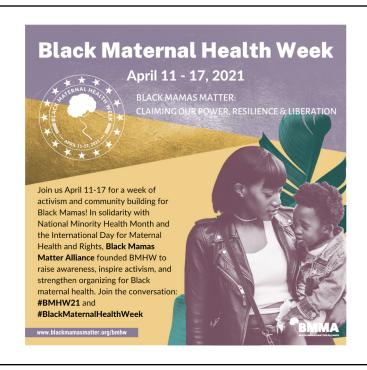
Operationalizing SDOH Screening



What questions are in PRAPARE? Core **Optional** 3. Domestic 1. Incarceration 1. Race* 10. Education History **Violence** 2. Ethnicity* 11. Employment 2. Safety 4. Refugee Status 3. Veteran Status* 12. Material Security 4. Farmworker Status* 13. Social Isolation **Optional Granular** 5. English Proficiency* 14. Stress 1. Employment: How 3. Insurance: Do you 6. Income* 15. Transportation many hours worked get insurance through per week your job? 7. Insurance* 16. Housing Stability 2. Employment: # of 4. Social Support: Who 8. Neighborhood* jobs worked is your support 9. Housing Status* network? * UDS measures are automatically populated into PRAPARE EHR templates. You do NOT need to ask those questions multiple times! Find the tool at www.nachc.org/prapare 23 https://www.nachc.org/wp-content/uploads/2020/10/NACHC-AAPCHO-Adapting-SDOH-Data-Collection-Workflows-during-COVID-10.8.20.pdf slide 23



Take Action!



Thank you!

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[Health] Equity Strategies

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