



Penn Medicine

Advancing Health Equity in Complex Healthcare Systems

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Overview

- ♦ **Organizational Context**
- ♦ **Specific Actions to Advance Health Equity**
 - Addressing Maternal Morbidity and Mortality
 - Developing A Novel Model to Support Continuity of Critical Hospital Services in West Philadelphia
 - Diversifying the Workforce and Supporting Economic Mobility
 - Dismantling Structural Racism to Minimize Inequities in the Delivery of Care

Hospital of the University of Pennsylvania (HUP) Overview:



- ♦ HUP is Penn Medicine's largest hospital and the oldest teaching hospital in the country.
- ♦ HUP's new Pavilion serves as the University of Pennsylvania's largest capital project and is a 1.6 billion facility with a number of innovative approaches in staff training, design and construction, and technology.
- ♦ U.S. News and World Report ranked HUP #1 in Pennsylvania and the Philadelphia metro area. HUP has been on the USNWR "Honor Roll" list for 15 consecutive years.
- ♦ The total square footage of HUP is 4,686,753 which includes all space operating under the HUP license.
- ♦ Patient activity snapshot:
 - IP Admissions: 39,212
 - ER Visits: 105,167
 - IP Surgeries: 12,466
 - OP Surgeries: 15,344
 - Ambulatory Visits: 1,974,678



Ensuring Community Access to Care

PERSPECTIVE

THE DEATH THROES OF MERCY

The Death Throes of Mercy — Our Shared Responsibility When Hospitals Close

Austin S. Kilaru, M.D., M.S.H.P., and Kevin B. Mahoney, D.B.A.

Hospital closures disrupt communities. They also demand that we clarify our goals: Do we come together to support endangered hospitals, or do we support the patients and communities relying on them? Sometimes the second requires the first, but always.

For 245 years, the Philadelphia General Hospital served the city as a public institution. It closed in 1977, when the city could no longer afford escalating operating costs and capital expenses. The creation of Medicare and Medicaid also made it easier for patients to move to other hospitals.



Kilaru, A. S., & Mahoney, K. B. (2020) The death throes of mercy-our shared responsibility when hospitals close, *New England Journal of Medicine*, 383;8.



Penn Medicine

The PHMC Public Health Campus at Cedar Avenue

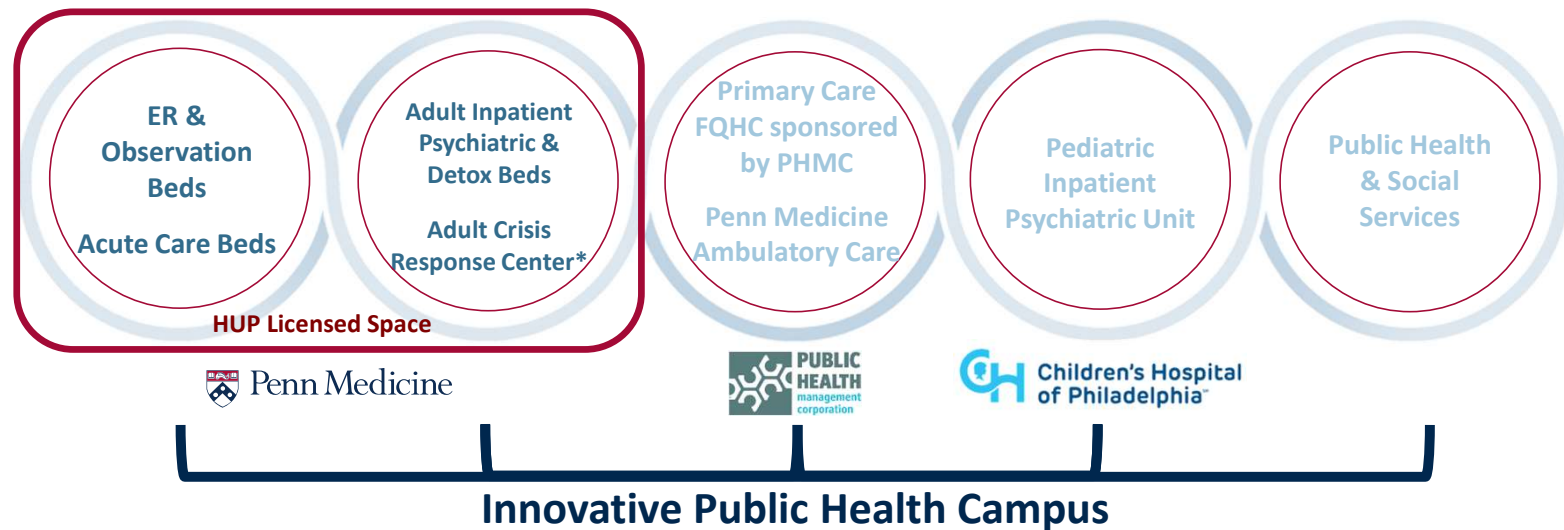
IT TAKES A VILLAGE

Provide **high-quality, community informed health care and services** that will **maintain community access to care**, while **retaining jobs** and ensuring the reimaged Mercy campus is a *thriving center of activity*.



Innovative Model of Care

Penn Medicine, key stakeholders and the community will work together to form an innovative health care delivery model.



* Under consideration

Maternal Healthcare Crisis

Nothing Protects Black Women From Dying in Pregnancy and Childbirth

Not education. Not income. Not even being an expert on racial disparities in health care.

by **Nina Martin**, ProPublica, and **Renee Montagne**, NPR, Dec. 7, 2017, 8 a.m. EST

Opinion

If Americans Love Moms, Why Do We Let Them Die?



By **Nicholas Kristof**

New York Times

July 29, 2017



Black women represent more than 70% of Philly's pregnancy-related deaths, report shows

Philly's maternal mortality rate is falling but remains higher than the national figure



BY **HANNAH KANIK**
PhillyVoice Staff



Hospitals know how to protect mothers. They just aren't doing it.

Alison Young, USA TODAY
4:54 p.m. EDT July 27, 2018



System-wide goal setting

- ▶ Obstetric goal to reduce maternal morbidity and mortality included as a PMTG
- ▶ Articulation of vision from top leaders
 - One of a small number of health system wide goals
 - Linked to compensation of highest health system leaders
 - Accountability
- ▶ Clear goal setting-metric with clear definition and thresholds of performance

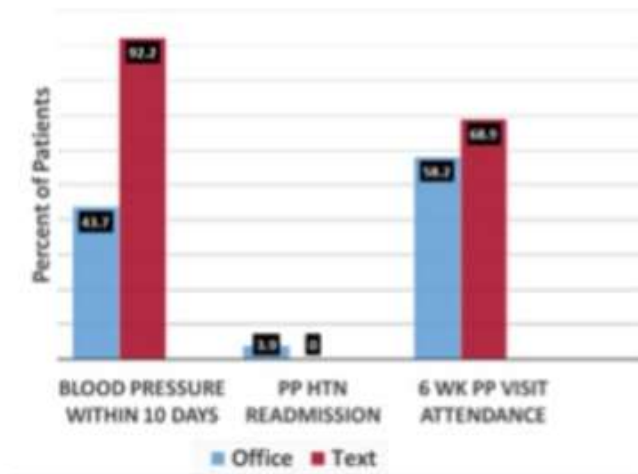


Heart Safe Motherhood



- ▶ At home postpartum blood pressure monitoring program that leverages technology

RCT Findings



Results

- Increased BP measurement in 1st 10 days PP
- Reduced ED visits and readmissions
- Decreased disparities
- Increased postpartum visits

Implementation

- Penn Medicine (all 5 delivery hospitals)
- Philadelphia downtown delivery hospitals

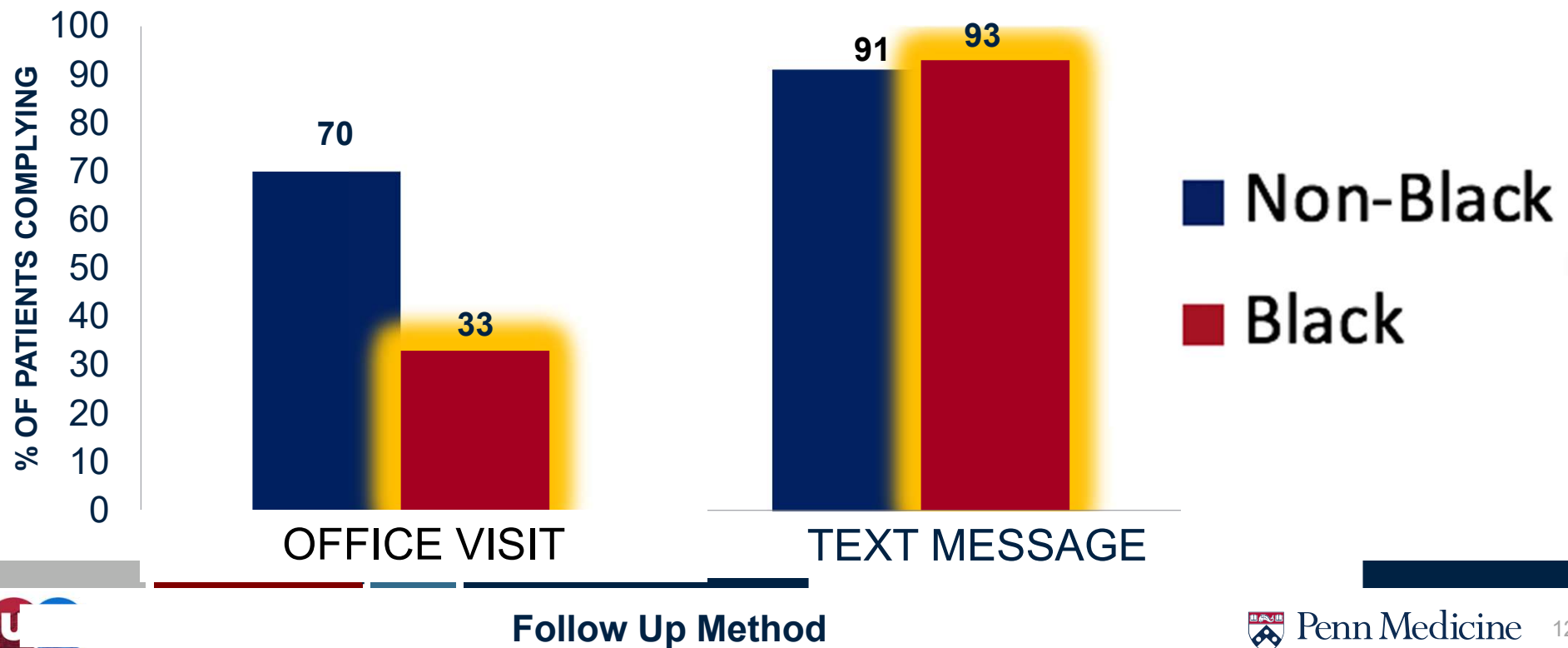
Hirshberg BMJ Qual Saf. 2018 Nov;27(11):871-877
Hirshberg et al. AJOG 2019 Sep;221(3):283-285

Developed by Penn Medicine Faculty – Drs. Adi Hirshberg and Sindhu Srinivas



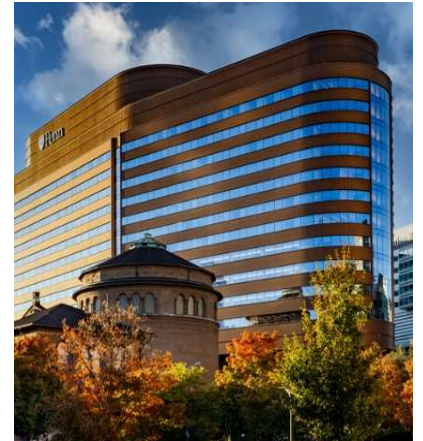
Heart Safe Motherhood

Postpartum blood pressure ascertainment by race and follow up method



ASPIRE Program at HUP: Program Description

- ▶ The ASPIRE Program at Hospital of the University of Pennsylvania (HUP) sponsored by the Howley Foundation in partnership with La Salle University, **is an enrichment program designed for high school juniors interested in pursuing a career in nursing.**
- ▶ ASPIRE Scholars will participate in a number of interactive experiences designed to expose and introduce them to the profession of nursing.
 - ASPIRE Scholars will receive a stipend of \$500 after successful completion of enrichment program.
- ▶ ASPIRE Scholars may return senior year for enrichment and mentorship, pursue application to La Salle University's BSN program, and receive scholarship funding to attend La Salle while maintaining part-time employment at HUP.



ASPIRE Program: Mission

- ▶ We provide economically disadvantaged and/or first generation students with dedicated education, support, mentorship and economic mobility in pursuit of a career in nursing.
- ▶ We commit to building a diverse workforce and offer a dynamic, direct education pathway and employment opportunity for underrepresented students interested in professional nursing career.

Goals:

- ▶ Stimulate academic excellence and intellectual curiosity
- ▶ Emphasize personal development
- ▶ Foster mentoring relationships and socialization
- ▶ Provide academic, peer, social and financial access and support

Eliminating Race From eGFR Calculations

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New Creatinine- and Cystatin C–Based Equations to Estimate GFR without Race

L.A. Inker, N.D. Eneanya, J. Coresh, H. Tighiouart, D. Wang, Y. Sang, D.C. Crews, A. Doria, M.M. Estrella, M. Froissart, M.E. Grams, T. Greene, A. Grubb, V. Gudnason, O.M. Gutiérrez, R. Kalil, A.B. Karger, M. Mauer, G. Navis, R.G. Nelson, E.D. Poggio, R. Rodby, P. Rossing, A.D. Rule, E. Selvin, J.C. Seegmiller, M.G. Shlipak, V.E. Torres, W. Yang, S.H. Ballew, S.J. Couture, N.R. Powe, and A.S. Levey, for the Chronic Kidney Disease Epidemiology Collaboration*

ABSTRACT

BACKGROUND

Current equations for estimated glomerular filtration rate (eGFR) that use serum creatinine or cystatin C incorporate age, sex, and race to estimate measured GFR.

The authors' full names, academic degrees, and affiliations are listed in the