

1-2020

## A Needs Assessment of Screening of Non-Communicable Diseases in Prenatal Care at CHUK and Muhima District Hospital

Vaishali Mehta

*Thomas Jefferson University, vaishali.x.mehta@jefferson.edu*

Ilana Porges

*Thomas Jefferson University, ilana.porges@jefferson.edu*

Kaitlin Demarest

*Thomas Jefferson University, kaitlin.demarest@jefferson.edu*

Alex Rugamba

*Thomas Jefferson University*

Kelly Kaneza

Follow this and additional works at: [https://jdc.jefferson.edu/si\\_phr\\_2022\\_phase1](https://jdc.jefferson.edu/si_phr_2022_phase1)



Part of [Digital Commons](#) for additional authors, [Health Commons](#), and the [Obstetrics and Gynecology Commons](#)

[Let us know how access to this document benefits you](#)

### Recommended Citation

Mehta, Vaishali; Porges, Ilana; Demarest, Kaitlin; Rugamba, Alex; Kaneza, Kelly; and Irakoze, MD, Magnifique, "A Needs Assessment of Screening of Non-Communicable Diseases in Prenatal Care at CHUK and Muhima District Hospital" (2020). *Phase 1*. Paper 19.

[https://jdc.jefferson.edu/si\\_phr\\_2022\\_phase1/19](https://jdc.jefferson.edu/si_phr_2022_phase1/19)

This Article is brought to you for free and open access by the Jefferson Digital Commons. The Jefferson Digital Commons is a service of Thomas Jefferson University's [Center for Teaching and Learning \(CTL\)](#). The Commons is a showcase for Jefferson books and journals, peer-reviewed scholarly publications, unique historical collections from the University archives, and teaching tools. The Jefferson Digital Commons allows researchers and interested readers anywhere in the world to learn about and keep up to date with Jefferson scholarship. This article has been accepted for inclusion in Phase 1 by an authorized administrator of the Jefferson Digital Commons. For more information, please contact: [JeffersonDigitalCommons@jefferson.edu](mailto:JeffersonDigitalCommons@jefferson.edu).

---

**Authors**

Vaishali Mehta; Ilana Porges; Kaitlin Demarest; Alex Rugamba; Kelly Kaneza; and Magnifique Irakoze, MD

**SI/PHR Abstract**

**SKMC Class of 2022**

**Word count: 249**

**A Needs Assessment of Screening of Non-Communicable Diseases**

**in Prenatal Care at CHUK and Muhima District Hospital**

**Vaishali Mehta\*\*, Ilana Porges\*\*, Kaitlin Demarest, Alex Rugamba, Kelly Kaneza,**

**Magnifique Irakoze MD\***

**Introduction:** There has been a recent trend of women experiencing delays in management for high-risk pregnancies in Kigali, Rwanda. Physicians at the University Teaching Hospital of Kigali (CHUK) have observed a high incidence of women receiving obstetric care that were not screened appropriately. This points to an inconsistent screening method for non-communicable diseases (NCDs) prior to delivery and lack of streamlined care. The objective of this study is to assess the need for more robust screening of maternal NCDs.

**Methods:** This study, between June 2018-19, is a needs-assessment for the screening of NCDs among pregnant women (n=255) at CHUK. It consists of a retrospective chart review and qualitative interviews.

**Results:** Results thus far indicate that among a sample of pregnant women (n=255) at CHUK, 90.6% received an NCD diagnosis during their care. Almost ¼ (22.7%) of women had an NCD diagnosis during a previous pregnancy. At the time of admission, the average systolic BP was 155.1 (SD = 22.0) and the average diastolic BP was 100.6 (SD = 14.8). A majority of women presented to the district hospital with chief complaints related to preeclampsia or blood pressure.

## **SI/PHR Abstract**

**Conclusion:** Although analysis is ongoing, these results show that a significant proportion of women with previous high-risk pregnancies experienced delays in care. This leads to negative health outcomes in future pregnancies. Preliminary results indicate a trend of inappropriate management of anticipated possible risk from previously known diagnoses and the need for a streamlined process of referral for maternal NCD cases at CHUK.