

### BACKGROUND

The Southeastern United States (U.S.) is home to some of the poorest and least healthy states in the country. Social determinants of health have been shown to significantly influence health outcomes, particularly for members of impoverished and underserved populations. Student-run free clinics (SRFCs) contribute to the social safety net for these populations and play an important role in their health management.

### OBJECTIVE

The purpose of this study is to evaluate clinical management and longitudinal outcomes of hypertension, hyperlipidemia, and diabetes among patients at SRFCs in the Southeastern U.S. who employ different care models: The Jackson Free Clinic (JFC) in Jackson, MS, and Shade Tree Clinic (STC) in Nashville, TN. And, to examine how each of these distinct models compare to one another and national standards.

### METHODS

A retrospective analysis of patients' charts who carry a diagnosis of hypertension, hyperlipidemia, or diabetes and presented to JFC or STC from January 1, 2016 through December 31, 2019.

### RESULTS

Table 1. Clinic metrics:

	Total Patients	Total Visits
<b>Shade Tree Clinic</b>	<b>273</b>	<b>2002</b> (1125 primary care, 545 meds/labs and 332 specialty care )
Jackson Free Clinic	760	1345 (acute care only)

Table 2. Clinic Output

	Medications/month	Labs/month
<b>Shade Tree Clinic</b>	<b>420</b>	<b>195</b>
Jackson Free Clinic	51	85

Table 3. Clinic Outcomes

	Average A1c	Overdue A1c
<b>Shade Tree Clinic</b>	<b>8.37</b>	<b>20.4%</b>
Jackson Free Clinic	8.27	8.5%

### CONCLUSIONS

STC and JFC are SRFCs with similar patient demographics, but significantly different operational models. JFC operates on a walk-in basis and provides predominantly acute and some chronic care to an uninsured population. STC, on the other hand, provides chronic primary and specialty care to a closed panel of uninsured patients. No analysis or study on the efficacy of distinct care models at SRFCs on disease management and patient outcomes has been conducted to our knowledge. Overall, this data highlights distinct areas for improvement in patient care and serves as a model for the adoption of successful patient care practices at SRFCs.

### REFERENCES

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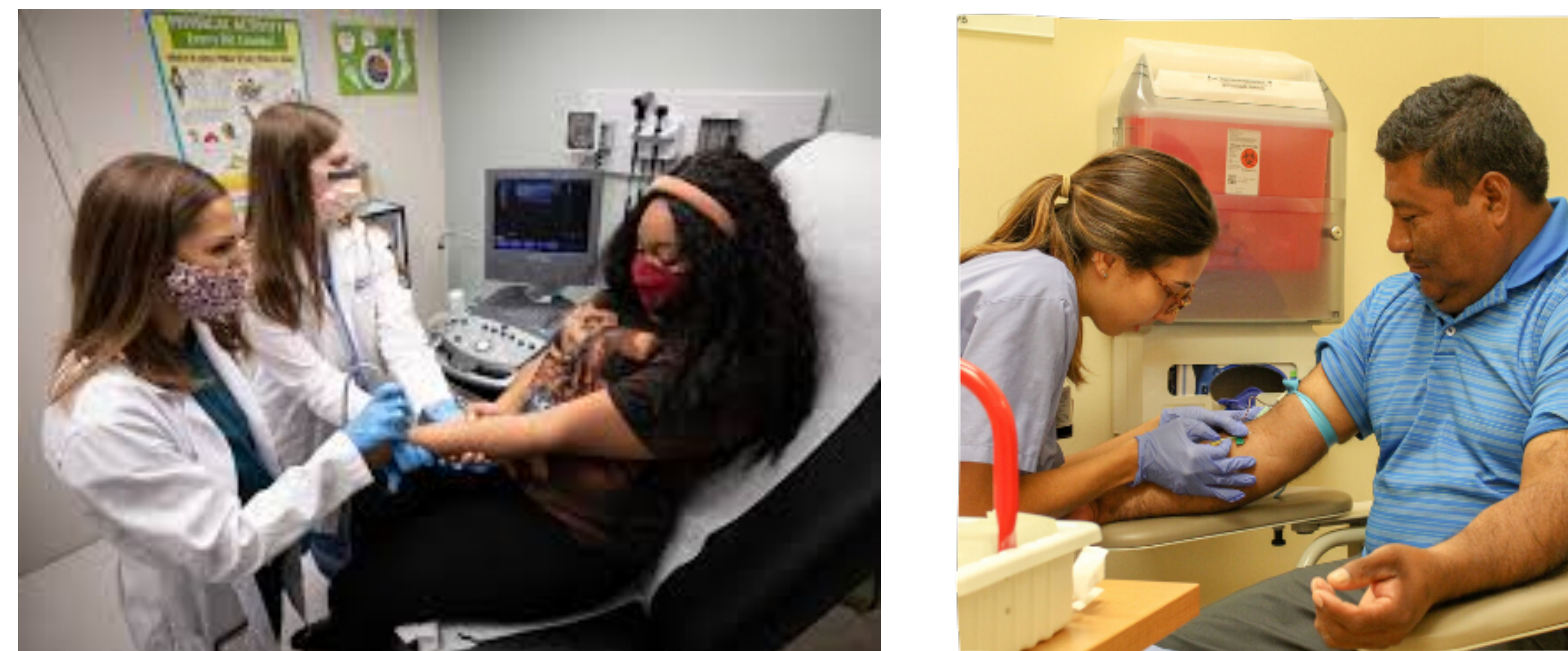


Figure 1. Students drawing labs at JFC (left ) and STC (right)