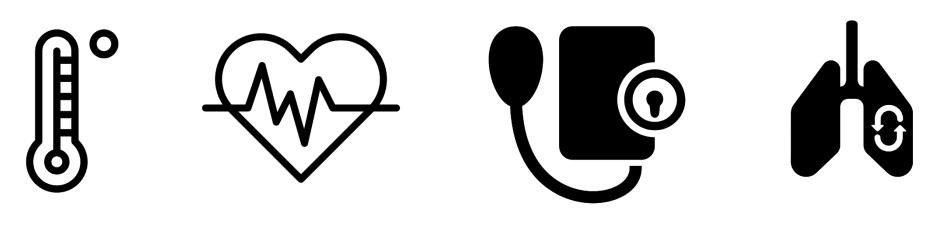
Prospective Validation of the Universal Vital Assessment (UVA) Score to Predict the In-hospital Mortality of Patients with Acute Illness Admitted to a Government District Hospital in KwaZulu-Natal, South Africa

INTRO

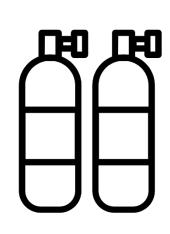
- Critical illness is a frequent cause of mortality in resourcelimited settings.
- Improved triage on admission could improve mortality.
- The UVA score can risk-stratify patients using easily available clinical data

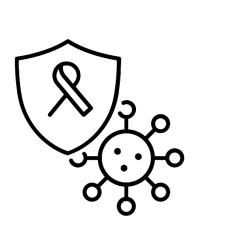
METHODS

- **Prospective** study conducted from February-**March 2020**
- 61 adults admitted to medical wards were enrolled, prior to interruption by COVID-19
- **30-day mortality** outcome available for 56 patients
- The following clinical parameters were collected within 24h of admission as part of routine care:







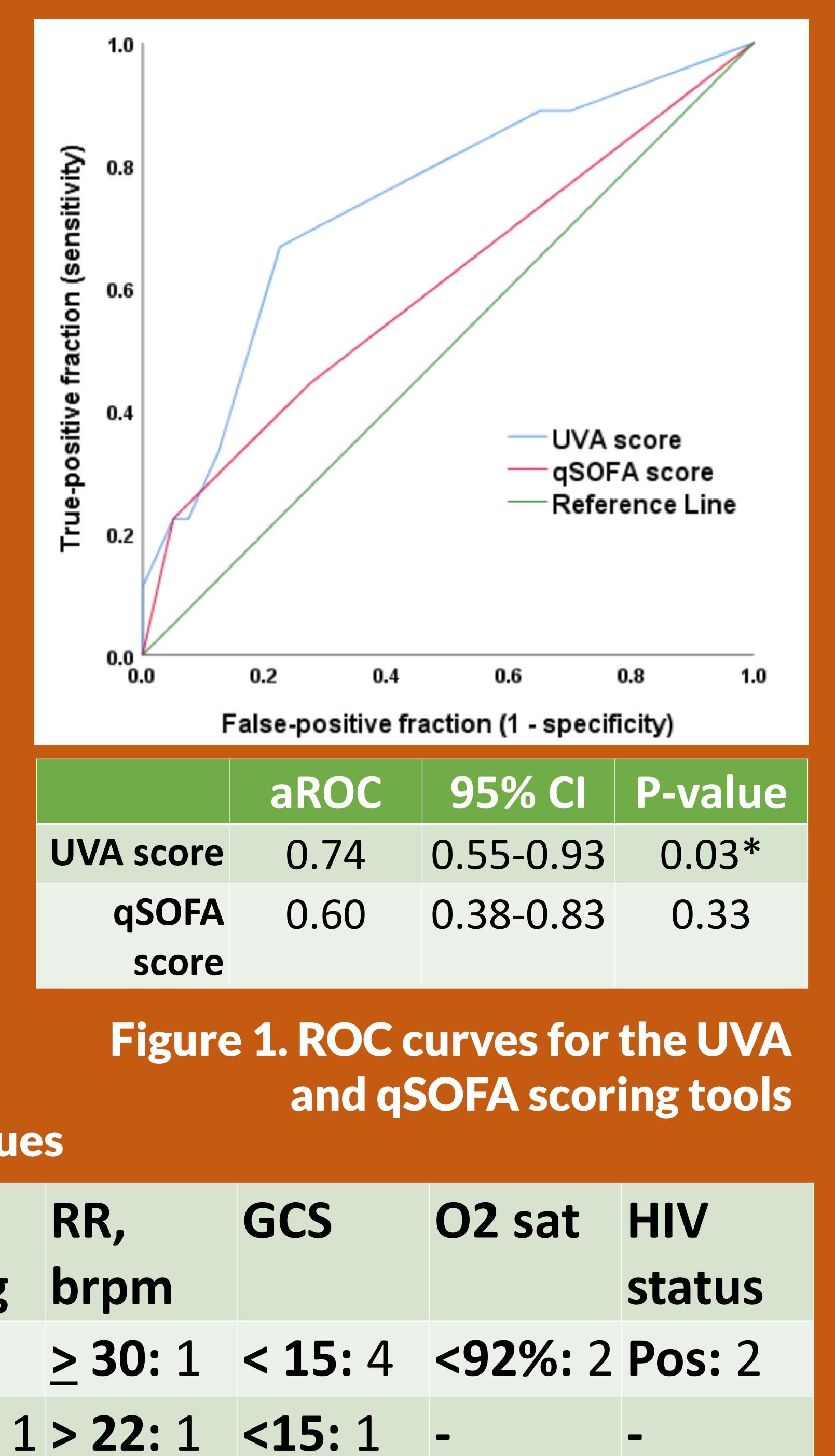


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The UVA score predicted mortality better than the qSOFA score in a resource-imited, HIV-prevalent setting.

Table 1. Comparison of qSOFA and UVA components & associated values

	Τ, °C	HR, bpm	SBP, mmHg
VA	<36: 2	> 120: 1	<90: 1
SOFA			<u>< 100:</u>



RESULTS

- Mean (+SD) age 52 (+17) years, 51% women, & 46% HIV-infected.
- 30-day mortality was 16.1%.
- Median (+IQR) UVA score was $2(\pm 3)$.
- UVA score >3 was significantly associated with 30-day mortality (aOR 6.2; 95% CI 1.2-33.1).

DISCUSSION

 A moderate-risk UVA score (>3) was predictive of **30-day mortality**, though needs to be confirmed in larger studies.

