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*United Nations Expert Group Meeting on Methods for the World
Population Prospects 2021 and Beyond, ~~Sierra~~ ~~Leone~~ ~~Accra~~*

Significance of HDSS in Demographic Evaluations

Allows for estimation of fertility, mortality & population indices

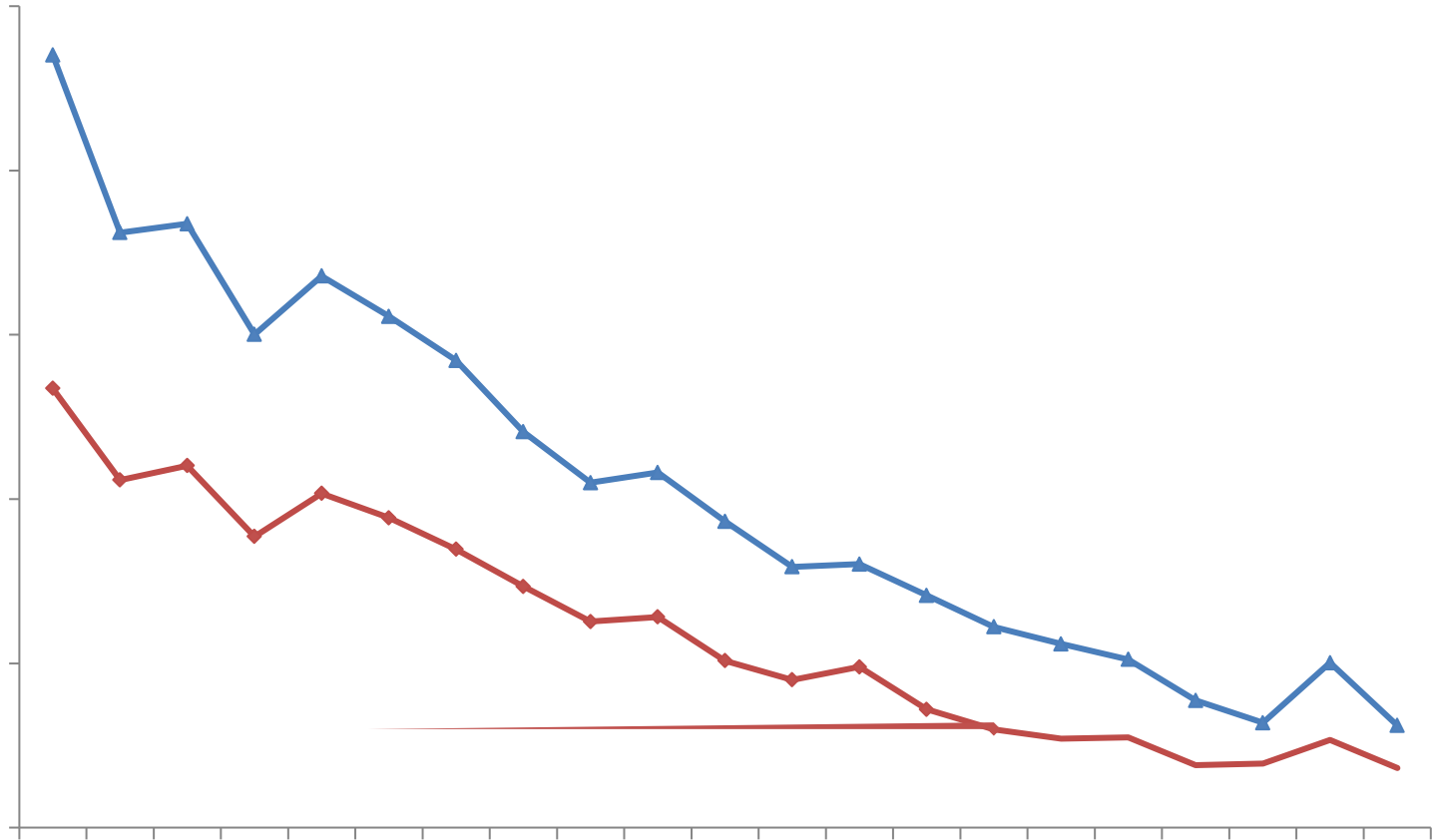
More importantly, allows for monitoring progress of some SDGs indicators

Allows for district and local level planning

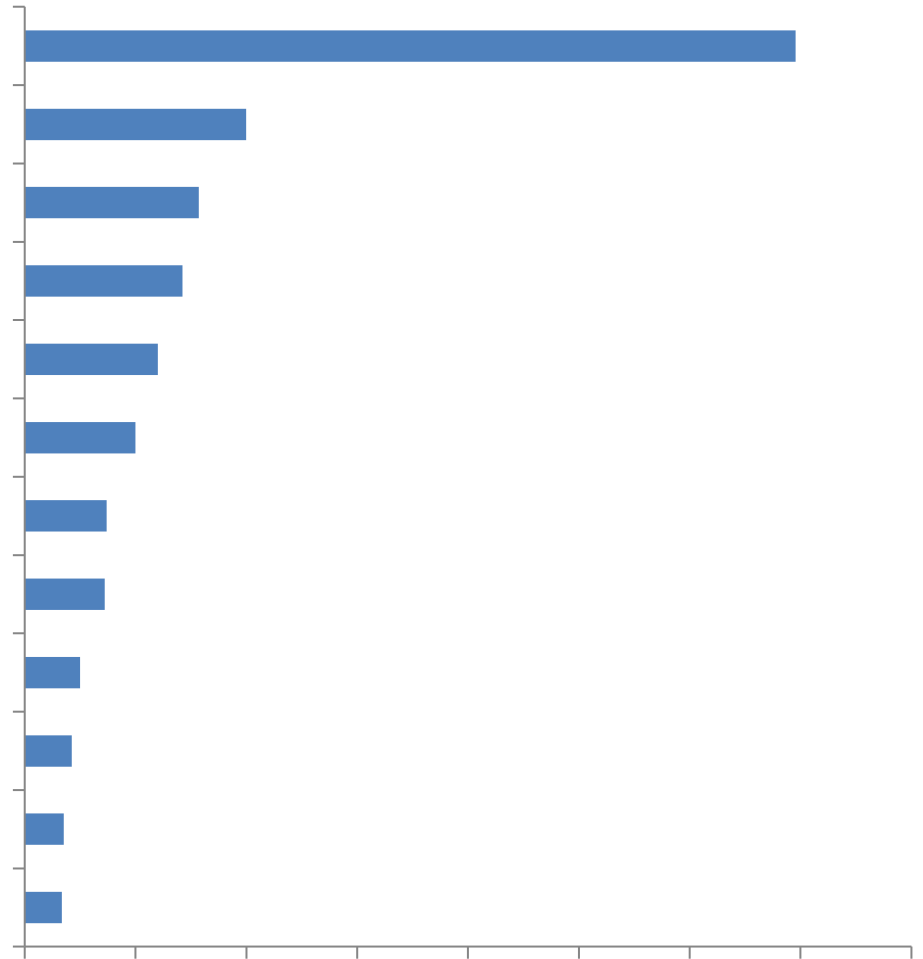
Can provide estimates of incidence rates of diseases at the population level

Next, will show a series of slides that show mortality estimates in selected HDSS sites

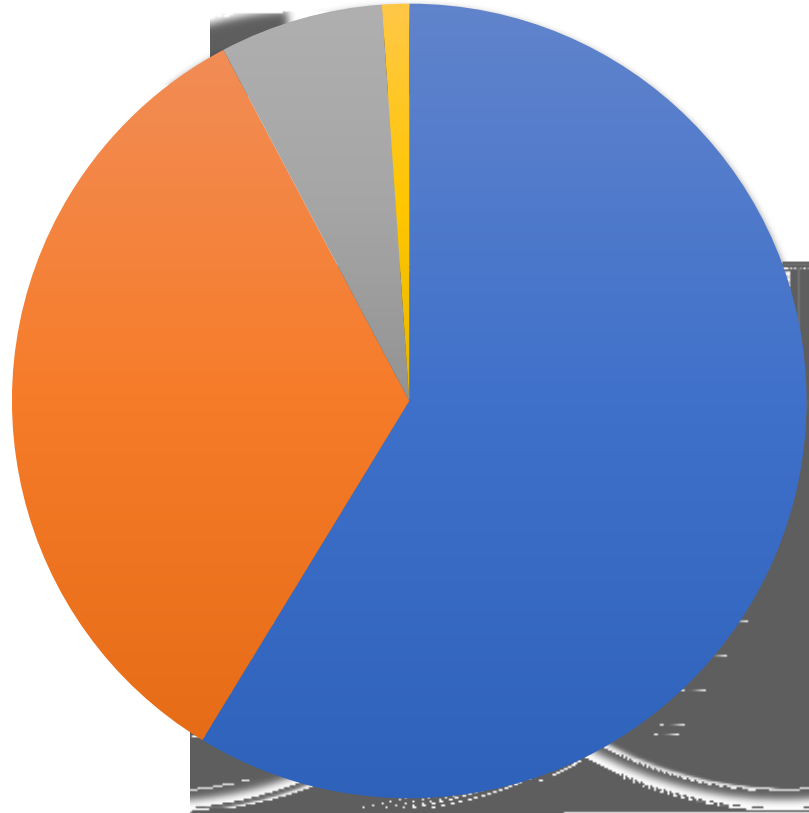




Causes of under-five deaths in Navrongo HDSS: 2008-2012 (n=1086)



Broad causes of adult deaths in Navrongo HDSS: 2007-2013 (n=7,730)



Changing patterns of mortality

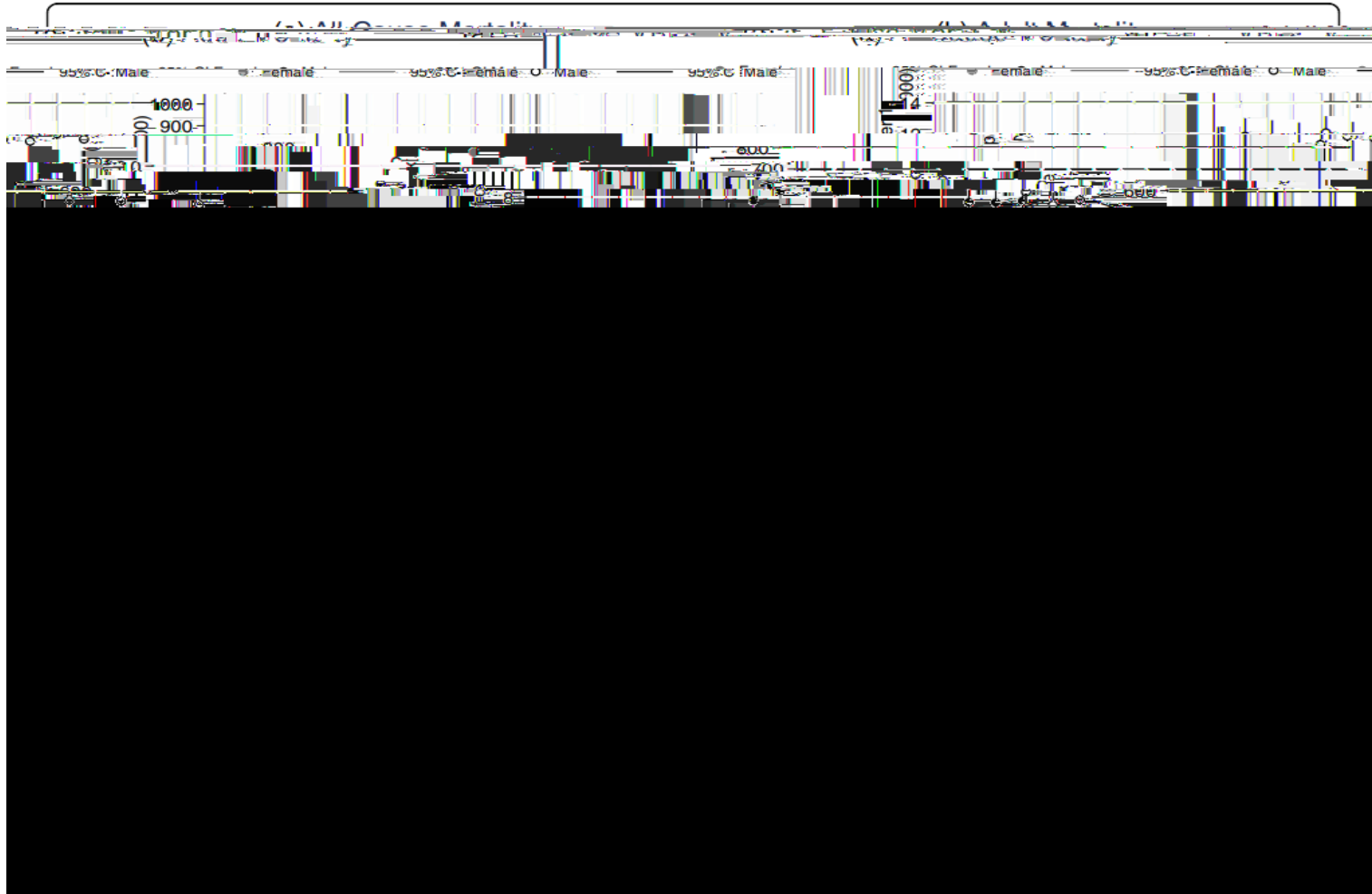
With limited data on causes of death in LMICs, HDSS provide us opportunities to observe changing patterns of mortality

Research from HDSS sites show that NCDs are assuming increasing share of the death burden

The evolving demographic/epidemiological transition in Africa seem unique

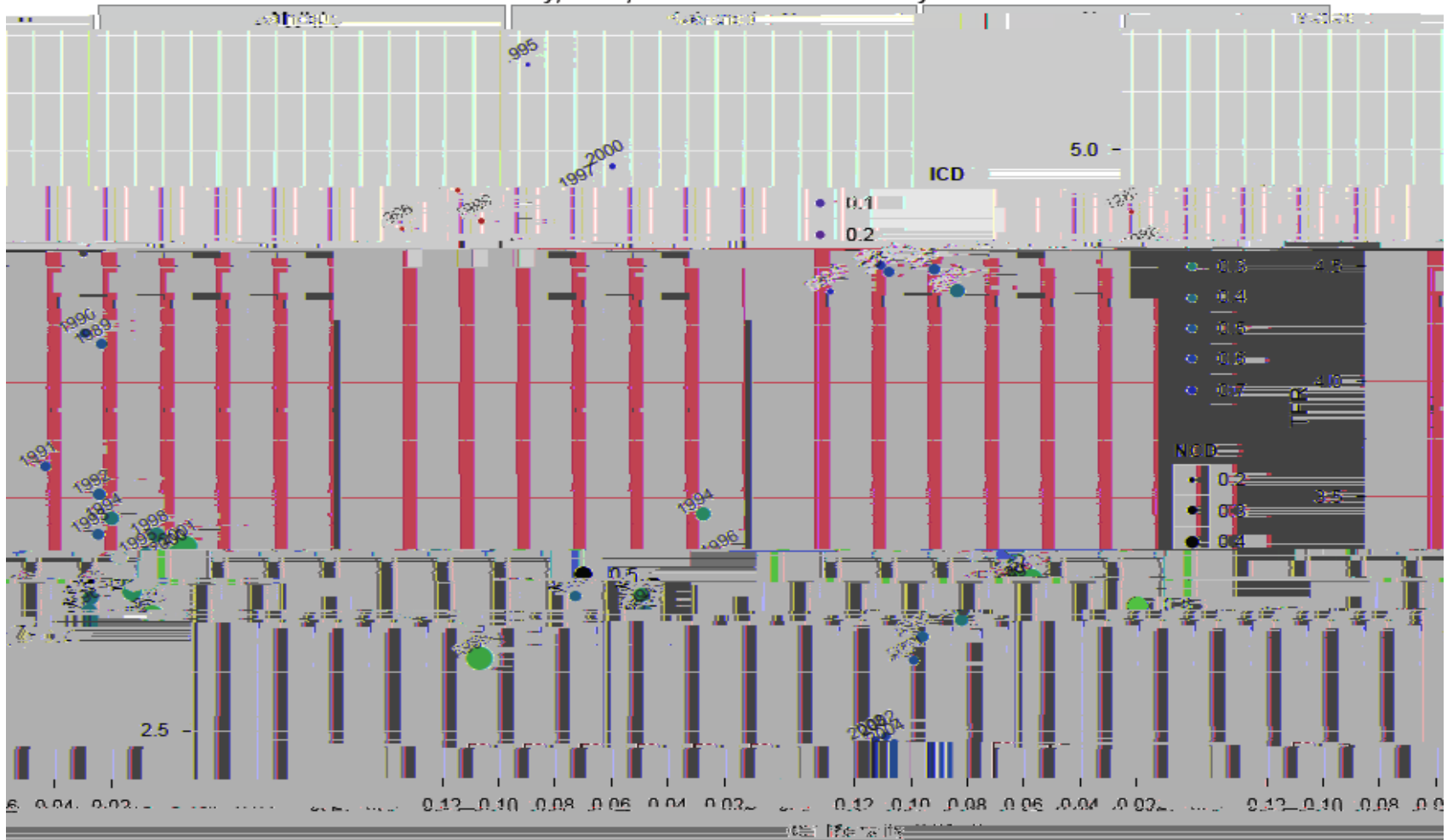


Trends in all-cause mortality and cause of death

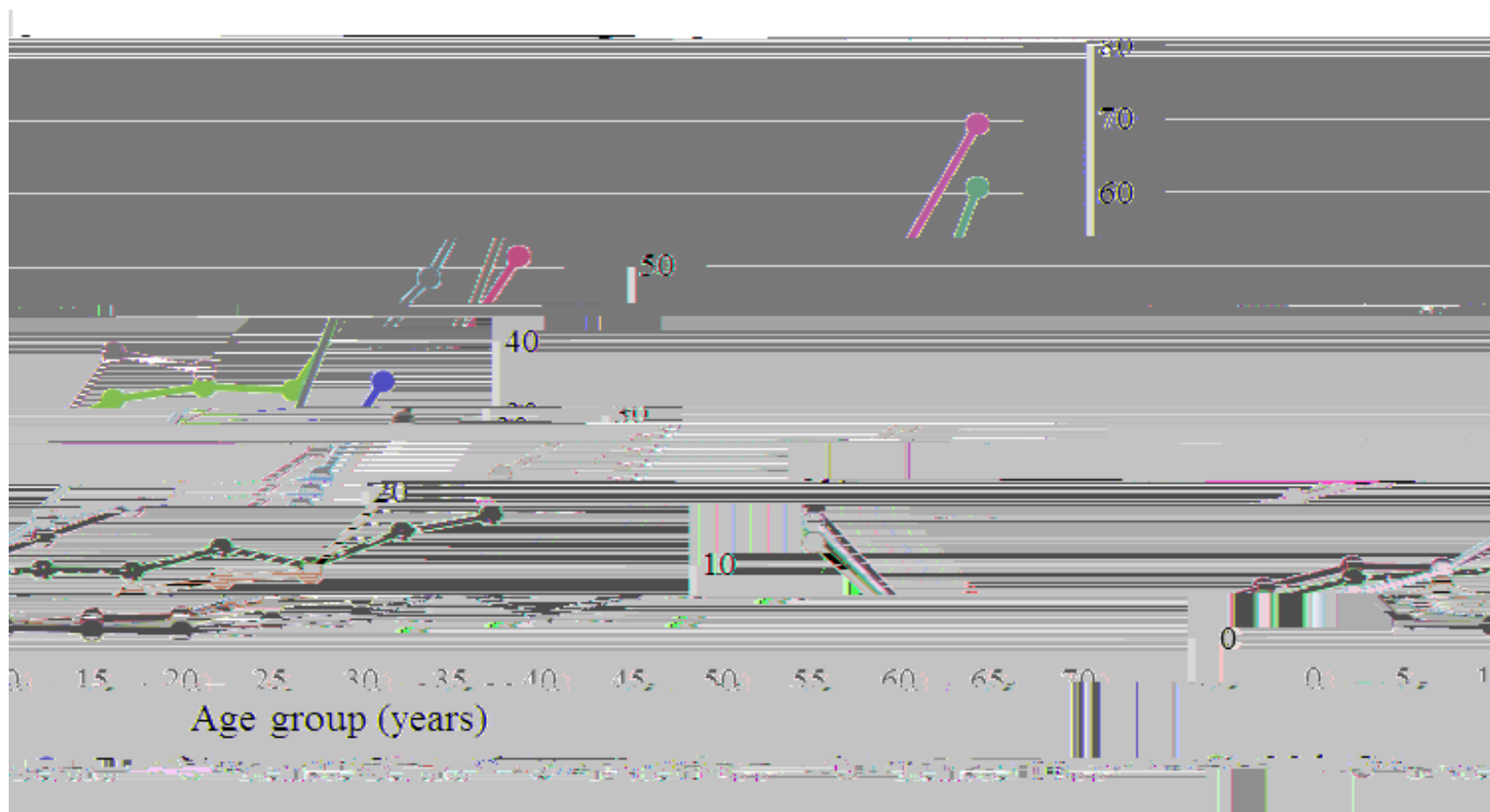


Relationship between fertility, infant mortality and cause-of-death over time

Relation of 0-1 Mortality, TFR, and Cause of Death by Site Over Time



How much confidence should we have on HDSS data? HDSS compared with Census data



Wak et al. (2017), *Population Review*



Concluding reflections

HDSS provides critical information in data-deficient settings for measuring demo & health events

Sites could be positioned as sentinel sites to generate population level data within countries

Can provide input parameters for projections in settings where national level data are unavailable