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Predictors of anaemia prevalence in antenatal care among pregnant women in urban Ghana

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Anaemia during pregnancy is a major public health concern. The prevalence is life threatening due to the involvement of foetus the pregnant mother carries. Despite its wide scope and adverse effects, extensive interventions using the upstream approaches to public health have not been realised. The study investigated the prevalence and associated factors of anaemia on pregnant women in four health facilities in the Kwabre East Municipality of Ghana. Using the cross-sectional design with a two-stage sampling technique on 220 pregnant women, structured questionnaires were used. Anemia (hemoglobin $b < 11$ g/dL) was present in 25 (11.45), and iron deficiency in 19 (8.6%) pregnant women. The multiple regression analyses indicate 95% CI on ANC in current pregnancy, taking fruits after meals and folic acid intake in present pregnancy. The bivariate analyses revealed 1% significance on age and household size on anaemia prevalence. with beta co-efficient, marginal

effect, z statistic, likelihood ratio chi-square as 0.523 and 1.722, 0.041 and 0.195, 11.84 and 7.75, and 93.80 and 55.06 respectively. The adjusted odds ratio (AOR) for anemia was 2.4 and 3.2 if pregnant women were ≥ 36 weeks of pregnancy. Though anaemia prevalence has been low in urban areas as previously reported, collaborated healthcare measures that aim at eradicating the menace are encouraged.

Speaker Biography

Jones Asafo Akowuah has his expertise from the area of social determinants of health with key emphasis on the use of upstream approach to maternal health and a broader perspective of sustainable and integrated rural development using the broader spectrum of stakeholder engagement. Based on his research prowess, he is a joint-founder of Write Well Research Club, a non-profit organisation that helps to guide young and amateur research tertiary students on how to develop research skills towards a paradigm shift in research. His future research interest is to work with organisations to map out clear-cut policy directives on broader health systems using the social determinants of health. He has been serving as editor to the Journal of Advances in Medicine and Medical Research.

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