Trend of mortality in Medical Wards of Aminu Kano Teaching Hospital, Kano State from 2009-2013

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Background

- World Health Organization (WHO) in February 2007 reviewed the ten leading causes of Mortality
- Most developing regions of the world are undergoing gradual epidemiological transition
- The knowledge of the pattern mortality in a given country is very important
Objectives

• To assess distribution of mortality in male and female medical wards of Aminu Kano Teaching Hospital from 2009-2013
• To identify the causes of mortality in male and female medical wards of Aminu Kano Teaching Hospital
• To determine the trend of mortality in male and female medical wards of Aminu Kano Teaching Hospital
Methods

• We conducted a 5-year retrospective review of mortality data at Aminu Kano Teaching Hospital from year 2009 to 2013
• Data was collected from records department of the Hospital
• We line listed all death and described them by age, sex, diagnosis, cause of death, month and year of death
• Microsoft excel was used to analyze for proportions, percentages and graphs
Results

• A total of 1,256 deaths were documented during the five year period among whom 729 (58%) were males.
• In males, mortality rate was highest in those aged 30-39 years while females aged 60-69 years suffered most death.
• Identified causes of death were cardiovascular diseases (CVD), respiratory diseases, kidney diseases among others.
• CVD mortality was higher in females (35.4%) than in males (23.1%).
Results

• Mortality decreased progressively in the male ward while the trend in female ward appeared irregular
• The combined mortality for both wards was 17.2%, 22.3%, 21.5%, 18.2%, 18.3% in 2009, 2010, 2011, 2012, and 2013 respectively
Conclusion

• The total mortality is higher in males
• Proportion of deaths from cardiovascular diseases progressively increased between years 2009 to 2012 but marginally reversed in 2013
• However it remained a major contributor to mortality in the population studied
Recommendations

• To improve on identifying the actual cause of death in patients
• To include patients address in the mortality record register
Thank you

- Please join me at my stand for detailed information