

## 7. Measuring Population Health

7.1. The candidate will have **sound knowledge** of measuring population health.

7.2. The candidate will be able to do the following with **sound expertise**:

7.2.1. calculate and interpret the following measurements from information provided:

7.2.1.1. measures of disease frequency — crude mortality or morbidity, prevalence, attack rate, incidence risk, incidence rate

7.2.1.2. measures of association — odds ratio, relative risk based on attack rate, prevalence ratio, incidence risk ratio, incidence rate ratio

7.2.1.3. measures of effect – attributable risk, attributable fraction, population attributable risk, population attributable fraction

7.2.1.4. measures of production and productivity — provide examples relevant to specific livestock production systems.

7.2.2. describe objectives of standardisation of measures of disease frequency.