□Overall 100% and 95.8% of the birds in the wet season and dry season respect specific antibody titers against NDV (>1:8) □Overall, there was a statistically significant higher (P<0.05) titer during the we 65.85) (Table 1) compared to the dry season (GMT 31.08) (Table 2). □In the wet season, titers ranging from 1:16 (2⁴) to 1:256 (2⁵) (Fig 1) while in the titer ranging from 1:4 (2²) to 1:128 (2⁻) □Chicks and adult birds had a statistically significant higher titer (P<0.05) in the season. For growers, the titers were higher in the dry season, but the difference statistically significant.
Table 1: Newcastle disease virus antibody titers in the wet season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Titer Age Sample 12 1:4 1:8 1:16 1:32 1:64 1:128 1:256 CATT distribution Chicks 7 1 1 - 4 1 1 1 70.66 Grovers 8 1 1 2 4 1 1 50.51 Grovers 8 1 1 5 3 3 - 74.65 Adults 9 1 5 5 3 - 74.65 To 124 0 0 1 3 6 4 6 4 - 31.88 Where G. Gomeric mean titrody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season Table 2: Newcastle disease virus antibody titers in the dry season virus antib
Conclusion
Based on the findings it can be concluded that: In all seasons birds had high titers, the antibodies waned off during the dry season. The results are comparable to those of Njagi et al (2010). The presence of antibodies in the chicken indicate endemicity of ND virus in Mb district.
Recommendations
☐ Vaccination is recommended during the start of dry season to maintain high levand prevent outbreaks.
Acknowledgment
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References

□Njagi, L.W., Nyaga, P.N., Mbuthia, P.G., Bebora, L.C., Michieka, J.N., and Min retrospective study of factors associated with Newcastle disease outbreaks in village

Results