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Keywords:Prevalence; ND; IBD; Kishoreganj; Poultry

## Introduction

Meat and eggs are the two major source of animal protein, at present chicken contributes 51% of total meat production of the Bangladesh though the share of broiler is not separated. Per capital annual consumption of meat in the country is 5.9 kg which is only 7.38 kg of universal standard. e consumption of eggs annually per head in the country is against the maximum requirement of 104 eggs [1]. About 5 million people of the country are directly or indirectly related with poultry sector and. Bangladesh has experienced a silent revolution in the economy with about 4.5%growth rate of which is one of the highest of all 0.289

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on enlarged and necrosed bursa of fabricious. Pin point hemorrhagecording to strain where the occurrence of ND and IBD was more in found on breast and thigh muscle [2].

### Data collection and analysis

case of layer birds (30.8%) and broiler birds (48.3%) respectively. e frequency distribution of ND in case of broiler is showed in Table 3 where broiler birds from day 30 to the selling day is more susceptible

Data were collected by questionnaire. e questionnaire was(43.8%). In Table 3 it is clear that layer birds age range from 41 days developed a er reviewing several published paper to gather knowledte 252 days is very much susceptible (54.1%) for ND. e frequency about ND and IBD at national level. e questionnaire was administered distribution of IBD in case of broiler is showed on Table 4 where following a 'face to face' method. Farm owners/managers who brough foiler birds from day 19 to day 26 are more susceptible (50.5%). In the birds at the hospital were interviewed to collect data at bird, ockable 4 it may be noted that layer birds age more than 26 are very much and farm level. All data were entered into a spreadsheet program susceptible (66.6%) for having IBD. Among 300 farms total 53 and 102 Microso Excel 2010 for data summary and analysis. 95% Con denderms were recorded for ND and IBD respectively. interval (CI) was calculated by using Graph pad Quickcalcs so ware. Discussion

# Results

ND was recorded 17.67% in the study population. In case of e present pathological investigation detected that New castlebroiler and layer it was 8.9% and 30.8%, respectively which are disease and Infectious bursal diseases are mainly responsible for similar to Charlton [3]. IBD was recorded in 34% (n=102) farms of morbidity and mortality of chickens in Kishoreganj Sadar area. Birdthe study population. In case of broiler and layer it was 48.3% and were examined for diagnosis of diseases on the basis of history, clinica5%, respectively. Pathological investigation and prevalence of IBD signs and post-mortem ndings. e occurrence of New castle disease was reported by Anjum [4] and Kim et al. [5] as 3.1% and 27.3%, and Infectious bursal disease in case of broiler and layer is presented pectively.

in Table 1 where higher occurrence was recorded in case of IBD (34%) Among the ND a ected broilers 43.8% were more than 30 days old. prior to ND (17.67%). In Table 2 this occurrence was categorized by broiler birds were not vaccinated in the study population. 62%

Total Farms (N)	Disease	Broiler (n)	Layer (n)	Total (n)	Percentage	95% CI
300	ND					
300						

J Vet Med Health Volume 2 • Issue 2 • 1000108 Citation: Das A, Ghosh P, Sen A, Das A, Chowdhury S (2018) A Retrospective Analysis of Prevalence of Newcastle Disease and Infectious Bursal Disease in Poultry at Kishoreganj, Bangladesh. J Vet Med Health 2: 108.

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immunization process specially maintaining the cool chain in case of <code>.LP +- .RQJ 0, &KXQJ 8. .DQJ 0, &KXQJ 8, vaccination</code> and testing speci c antibody titer level at particular period <code>FKLFNHQV .RUHDQ - 9HWHULQDU\ 5HV</code> of time interval.

6 X U Y

'DV 30 5DMLE '00 1RRU 0 ,VODP 05 \$QWLERG' GLVHDVH YDFFLQHV LQ FRPPHUFLDO OD\HU FKLFNH

#### Acknowledgements

7KH DXWKRUV DUH KLJKO\ JUDWHIXO WR WKH 9HWHODLKCPDDLC) 6%U61月内QRがたいがいにおりないをおけることである。 +RVSLWDO .LVKRUHJDQM IRU KLV FRUGLDO FRRSHUD1801上保存DW147以下は14月150MK141後、2221数分で、P7454HW15026W146RULVQ FR GHFODUH QR FRQÀLFWV RI LQWHUHVW %DQJOD - 9HW 0HG

\*LDVXGGLQ 0 6LO %. \$ODP .RLNH , ,VODP 05 F 3RXOWU\ 'LVHDVHV LQ %DQJODGHVK ,QGLDQ - 3RX 'DV 6& &KRZGKXU\ 6' .KDWXQ 0\$ 1LVKLERUL 0 ,VREH 1 HW DO 3RXOWU\ SURGXFWLRQ SUR¿OH DQG H[SHFWHG IXWXUH SURMOHDFW 1.5R Q'DLXQ %%LD QX 15ND\G H6V KOR:\RWIDD\G 15\) \* \$ 6 W 3RXOWU\ 6FL -3RXOWU\ 'LVHDVHV LQ 6\OKHW 5HJLRQ RI %DQJODG

OHUFN 9HWHULQDU\ ODQXDO 5 H W U L H Y H G 7DOKD \$)60 +RVVDLQ 00 &KRZGXU\ (+ %DUL \$60 

J Vet Med Health Volume 2 • Issue 2 • 1000108