

POULTRY DISEASES DIAGNOSED IN CANADIAN LABORATORIES
FOR THE YEAR 1974*

POULTRY DISEASES diagnosed in Canadian, federal, provincial and veterinary college laboratories have been reported in this Journal for the years 1971, 1972 and 1973 (1, 2, 3).

The accompanying table contains statistics for diseases reported for the period 1 January to 31 December 1974. Birds are classified as broilers - B, other chickens - O/C, turkeys - T and other species - O.

The figures for the Atlantic Provinces - Newfoundland, Nova Scotia, Prince Edward Island and New Brunswick - include diagnoses made at the federal laboratory at Sackville, New Brunswick.

Because the Animal Diseases Research Institute (East), A.D.R.I. (E), moved from Hull, Quebec to Ottawa, Ontario in July 1974, the data reported from Quebec include diagnoses made by A.D.R.I. (E) until the end of July, and those for Ontario from August to the end of December 1974. The report from Macdonald College has been added to the Quebec statistics.

The figures for Saskatchewan include diagnoses from the provincial laboratories plus those made at the Western College of Veterinary Medicine, Saskatoon and those from British Columbia reflect diagnoses from both the federal and provincial laboratories.

The data submitted by Ontario did not separate chickens into broilers and other chickens, and, since only one laboratory in Saskatche-

wan reported diseases in broilers, this group of birds is not reported on for these two provinces.

Newfoundland reported on numbers of individual birds examined; the figures for the other provinces are for consignments, hence more than one disease entity or condition may be reported for a single premises (flock).

The nomenclature used has been developed over a period of years by pathologists attending the annual Canadian Poultry Diseases Conference sponsored by the Animal Pathology Division of the Health of Animals Branch.

The report is an attempt to record all of the important poultry diseases diagnosed by the participating laboratories across Canada. It includes infectious and contagious diseases, nutritional deficiencies, degenerations, toxicoses, parasitic infections and miscellaneous conditions which reflect reasons for morbidity and mortality in poultry flocks in this country.

The compilation of this composite report depends upon the cooperation of many pathologists in Canada and their readiness to submit data is gratefully acknowledged.

REFERENCES

1. Poultry diseases diagnosed in Canadian laboratories for the year 1971. *Can. vet. J.* 14: 77-90. 1973.
2. Poultry diseases diagnosed in Canadian laboratories for the year 1972. *Can. vet. J.* 14: 272-276. 1973.
3. Poultry diseases diagnosed in Canadian laboratories for the year 1973. *Can. vet. J.* 16: 65-70. 1975.

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POULTRY DISEASES DIAGNOSED IN CANADIAN LABORATORIES 1974

Disease	Nfld.			P.E.I.			N.S.			N.B.			Qué.			Ont.			Man.			Sask.			Alta.			B.C.											
	B	O	C	B	O	C	B	O	C	B	O	C	B	O	C	B	O	C	B	O	C	B	O	C	B	O	C	B	O	C	B	O	C	T	O	T			
Acariasis				3						1			5																										
Air Sacculitis																1	4	1	1	1	1	11						2	2	1	2	2	1	10					
Amyloidosis																9	2	7	2	1	2	1	2	1	3	26	2	2	20	1	2	14	39	1	7	5	19	8	
Anatipestifer Infection																																							
Aneurysm, Dissecting Aortic																1	9	2	3	4					4														
Arizona Paracolon																3	1	1	1	30					2	3		5	8		16	8		1	2	1	11		
Arthritis, <i>E. coli</i>																2	4	1	1						4														
Arthritis, Staphylococcus										1						1	1	1	1	2	4	10			8			1	28	9	4	9	1	1	1	1	1	1	1
Arthritis, Unidentified										1						6	6	4	2	1	3	42	40	2	7			4	7	1	4	1	3	1	4	1	2	2	1
Ascariasis																24	5	5							7			10	4	5	18	5	12	19			2	1	2
Ascites	4															3	1					19	29	4				1	1	1	9	3	1	1	1	1			
Aspergillosis										1	1	15	4	12	27																								
Avitaminosis A																1						2																	
Bluecomb Complex																																							
(Monocytosis, Avian)	2															12																							
Botulism																																							
Bronchitis, Infectious										1						9	62		1			73			2			1	23	8	4	22	22						
Bronchitis, Quail																																							
Bumblefoot																																							
Bursal Disease, Infectious																																							
Candidiasis																																							
Cannibalism	2																																						
Capillariasis	15									1	1					4	6	23	4	6	21	2						1	2	3	7	3							
Cholera, Fowl	3															1	3	3	1	19	1	5	1	6	1			8	2	9	184	1		6	35	8			
Coccidiosis	7															4	7	6	23	30	5	6	2		6	2		18	7	8	6	11	5	6	7				
Colibacillosis	3									1	3	3	6	1	3	8	119	44	34	8	184	63	4	9	6	2	2	28	36	45	2	13	15	53	18				
Coli-Granuloma	1															61	11	80	32	319	190	13	3	1	10	2	12	7	54	56	15	13	25	23	9	33			
Coryza, Infectious																																							
Dermatitis, Infectious																																							
Dermatitis, Nutritional	1																																						
Encephalitis																																							
Encephalomalacia																																							
Encephalomyelitis, Avian																																							
(Epidemic Tremors)	2																																						

1. Code: B—broilers; O/C—other chickens; T—turkeys; O—other species of birds.
 2. Newfoundland reported on numbers of individuals; all other figures are for consignments.
 3. Quebec data include A.D.R.I. (E) figures for January 1, 1974 to July 31, 1974.
 4. Ontario data include A.D.R.I. (E) figures for August 1, 1974 to December 31, 1974.
 5. Data for the four Atlantic Provinces include Provincial plus Sackville diagnoses.
 6. Saskatchewan data include Provincial diagnoses plus those made at the Western College of Veterinary Medicine.
 7. Figures for Ontario and Saskatchewan do not separate chickens into broilers and other chickens since only one laboratory in Saskatchewan provided these data.
 8. Report covers the period from January 1, 1974 to December 31, 1974.

POULTRY DISEASES DIAGNOSED IN CANADIAN LABORATORIES (concluded)

Disease	Nfld.		P.E.I.		N.S.		N.B.		Qué.		Ont.		Man.		Sask.		Alta.		B.C.							
	B	O/C	T	O	B	O/C	T	O	B	O/C	T	O	B	O/C	T	O	B	O/C	T	O	B	O/C	T	O		
Nephritis	44	8							10	33	3	4				2	1								5	
Newcastle Disease								10	1	7	1	1													4	
No Diagnosis	7							1	28	49	18	47	310	64	45	14	9	15	1	72	51	11	46	60	118	32
Normal	39	20						1	44	51	20	26	308	69	1	3	1	4	3	16	3	27	24	9	3	
Omphalitis									77	3	13	1	72	9	2	1				5	3	1	81	23	29	
Ornithosis																									4	
(Psittacosis, Chlamydiosis)									21	10	1	1	27	3	1					8	6	1	6	3	3	
Osteochondrodystrophy																				4	2	2				
Osteomyelitis																				3					4	
Osteoporosis																										
Parasites, Miscellaneous	4								4	7	2	5	5	4	3	2	10							1	6	
Pediculosis									7				4	2	1									8	1	
Peritonitis	4							1	2	30	3	9	49	11	4	1	1			6	1	4	22	1	4	
Perosis									33	2	1		39	2	3	1				9	3	1	17	4	3	
Pox	28								1				16	10	1										1	
<i>Proteus</i> spp.									1	4		3	12	7											1	
Protozoa, Miscellaneous																										
<i>Pseudomonas</i> spp.									4	16	6	24	3	2						1					2	
Reprod. Disorders (incl. yolk peritonitis and impacted oviduct)	6								2	82	19	12	24	2	7	1				5	1	2	1	77	1	
Respiratory Disease, Unidentified	17								3	3			275	12	4	3	2	5	1	5	2	1	6	4	5	
Riboflavin Deficiency									12	2	1	1	30	3									1		4	
Rickets and Osteomalacia									13	5	17		85	20	2	3	1			21	5	2	33	2	7	
Round Heart Disease													44			4				2		3	1	18	8	
Salmonellosis, <i>S. pullorum</i>									5																	
Salmonellosis, Fowl Typhoid									17	5	18	15	14	12	5					3	2	2	3	8	15	
Salmonellosis, Paratyphoid																									3	
Sarcosporidiosis																									1	
Staphylococcosis									4	3	6	3	39	20	3	1				4	3	1	14	15	7	
Starve-Outs	32	30							46	42	25	16	99	77	17	4	5	2	4	4	1	15	5	22	2	
Streptococcosis									8	6	8	6								1			3	6	2	
<i>Syngamus trachea</i>																									1	
Taeniasis																									1	
Tendon, Ruptured, Gastrocnemius	4	1							2	1	1									1		2			1	
Toxicity									4	2	3	38	4							1	1	4	4	6	4	
Transient Paralysis																									1	
Trichomoniasis									1	5	3	1	2	3	1										8	
Tuberculosis, Avian	5								5	5	3	7								21	1	3	8	20	5	
Tumors	3								16	1	3	20	6							5		12	5	29	9	
Xanthomatosis	8																								6	

*Imported birds in quarantine

SUMMARY OF POULTRY DISEASES REPORTS
CANADIAN LABORATORIES
1974

	Nfld.	P.E.I.	N.S.	N.B.	Qué.	Ont.	Man.	Sask.	Alta.	B.C.
					CONSIGNMENTS					
Broilers	23	40	56	41	1,391		158		729	558
Other Chickens	36	199	98	52	1,151	3,997 ^c	161	581 ^c	1,177	1,392
Turkeys		1	23	5	594	1,352	145	189	312	282
Other Species		25	23	9	415	248	93	176	272	233
Total	59	265	200	107	3,551	5,597	557	946	2,490	2,465
					INDIVIDUALS					
Broilers	165	250			5,138					1,861
Other Chickens	168	150			3,695			1,306 ^c	6,432*	4,098
Turkeys		6			1,707			482	1,729	1,046
Other Species		50			533			218	381	221
Total	333	456			11,073	30,473**	1,972**	2,006	8,542	7,226

^cSee footnote No. 7

*Total chickens only reported.

**Total individual birds only reported.