

VETERINARY CLINICAL CASE PROFILE OF BHUTAN 2016 – 2021



National Centre for Animal Health
Department of Livestock
Ministry of Agriculture and Forests
Royal Government of Bhutan





NCAH. (2022). *Veterinary Clinical Case Profile of Bhutan, 2016 – 2021*. National Centre for Animal Health, Department of Livestock, Ministry of Agriculture and Forests, Royal Government of Bhutan

FOREWORD

Dr RB Gurung
Program Director
National Centre for Animal Health

This report, Veterinary Clinical Case Profile of Bhutan, 2016 – 2021, compiled by the Disease Prevention and Control Unit (DPCU) of the National Centre for Animal Health (NCAH), provides an overview of veterinary clinical cases recorded in various animal health centres across the country since 2016, till 2021.

The report specifically presents a visual description of clinical cases recorded in various veterinary hospitals at National, Thromde and Dzongkhag levels; animal health extension centres spread across 205 gewogs; and government farms. This document provides a good retrospection of the seasonality of clinical case load in respective dzongkhags and regions, and it can be used as a tool to forecast and prepare for response.

The main purpose of this report is to provide an update and information sharing regarding the veterinary clinical case situations in the country to all relevant stakeholders, including the policymakers.

Firstly, I would like to thank the Director and the Chief Veterinary Officer, Department of Livestock for their support and guidance. I would also like to thank all the Regional Directors, Program Directors, Dzongkhag Livestock Officers and Farm Managers for their coordination and support for the delivery of veterinary clinical services under their respective jurisdictions.

My sincere acknowledgement also goes to all the Veterinarians and Veterinary paraprofessionals in the field for efficient delivery of various veterinary clinical services to the public and proper data management. Information in this document were extracted from the Veterinary Information System (VIS). Therefore, I urge all our field Veterinarians and Veterinary paraprofessionals to make utmost use of the database system to enhance the accuracy of veterinary clinical case records in our country.

Lastly, I would like to thank the Disease Prevention and Control Unit (DPCU), NCAH for taking the lead in compiling and producing this report.

The information contained in this report could also be used for developing preparedness and response plans by the concerned agencies responsible for veterinary clinical case management, prevention and control, and it can be used as baseline data for strategic animal health plan development, policy interventions and other related programs.

FOREWORD.....	I
TABLE OF CONTENTS	II
INTRODUCTION	1
COUNTRY STATUS.....	2
BUMTHANG DZONGKHAG	4
CHHUKHA DZONGKHAG	6
DAGANA DZONGKHAG	8
GASA DZONGKHAG.....	10
HAA DZONGKHAG.....	12
LHUEMSE DZONGKHAG	14
MONGAR DZONGKHAG	16
PARO DZONGKHAG.....	18
PEMA GATSHEL DZONGKHAG	20
PUNAKHA DZONGKHAG	22
SAMDRUP JONGKHAR DZONGKHAG	24
SAMTSE DZONGKHAG.....	26
SARPANG DZONGKHAG	28
THIMPHU DZONGKHAG	30
TRASHIGANG DZONGKHAG	32
TRASHI YANGTSE DZONGKHAG	34
TRONGSA DZONGKHAG.....	36
TSIRANG DZONGKHAG	38
WANGDUE PHODRANG DZONGKHAG.....	40
ZHEMGANG DZONGKHAG	42

TABLE OF CONTENTS

INTRODUCTION

This report presents a visual description of veterinary clinical cases attended and recorded in veterinary hospitals, government farms and gewog extension centres spread across 20 dzongkhags (district) and 205 gewogs (sub-district). It describes the spatial and temporal distribution of clinical cases; top ten clinical conditions; and species-specific distribution of cases recorded between July 2016 and December 2021. The data used for analyses and visualization were retrieved from the Veterinary Information System (VIS), the online animal health database management system of Bhutan to record data concerning various animal health services delivered: clinical cases, deworming, vaccination and sterilization.

Data extraction, analyses and visualization were based on the geographical jurisdictions; it is presented as the national and dzongkhag-specific status of clinical cases recorded in the respective jurisdictions.

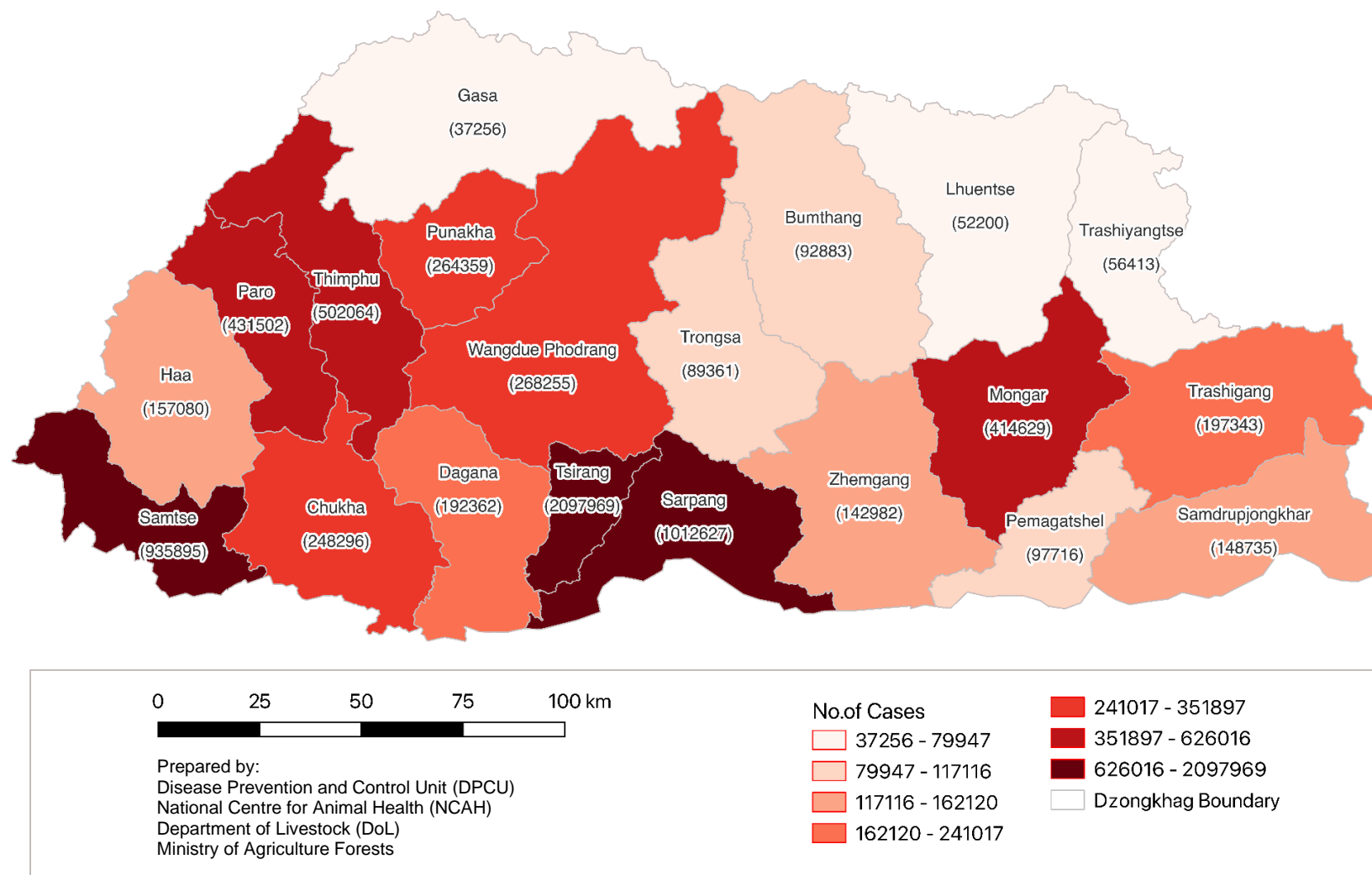
For this report, different animal types were grouped; thus, categorized into six animal types: large ruminant, small ruminant, pet animal, horse, pig and poultry. Large ruminants comprise cattle, yak and buffalo, small ruminants comprise sheep and goat; pet animals comprise dog and cat, and poultry comprises chicken and turkey.

The summary of the report in terms of geographical jurisdiction, data source and timeframe, and visualization tools is as follows:

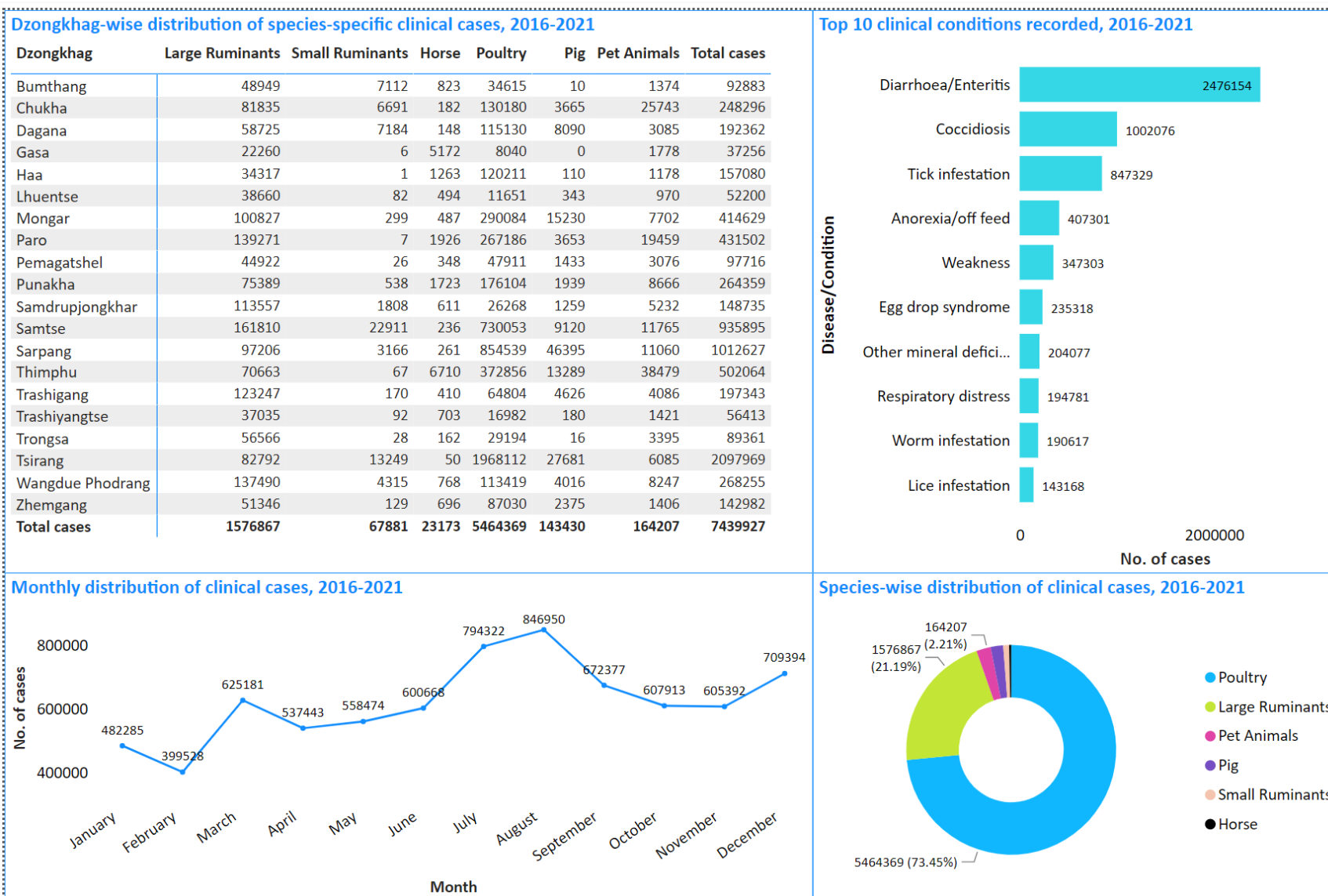
- Total number of dzongkhags: 20
- Total number of gewogs: 205
- Data source: Veterinary Information System (VIS)
- Data timeframe: July 2016 to December 2021
- Map production software: Quantum Geographic Information System (QGIS)
- Visualization tool: Microsoft Power Business Intelligence (BI)

COUNTRY STATUS

**Spatial (dzongkhag-wise) distribution of veterinary clinical cases recorded in Bhutan,
July 2016 – December 2021.**

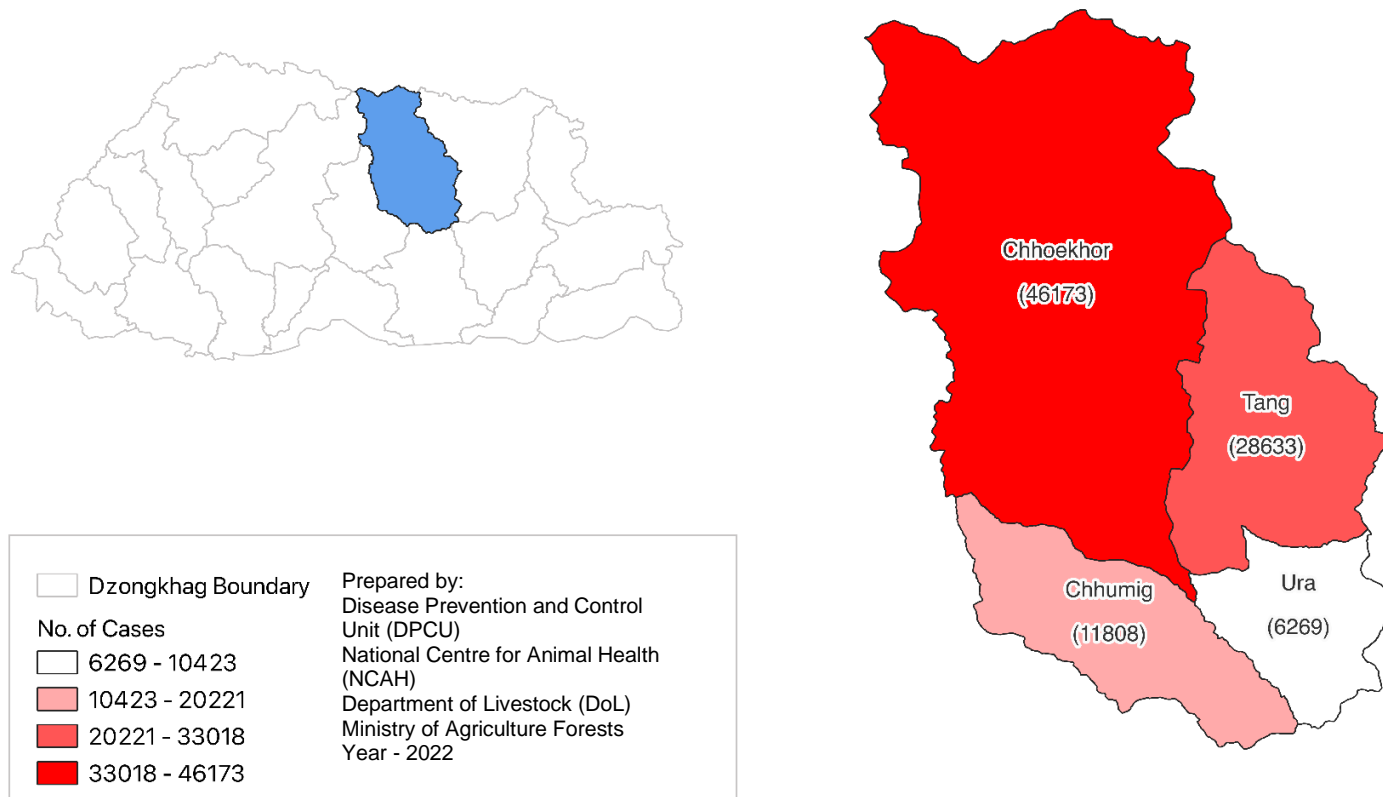


Dzongkhag, month and species-specific distribution and the commonly recorded veterinary clinical cases in Bhutan, July 2016 – December 2021.



BUMTHANG DZONGKHAG

Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.

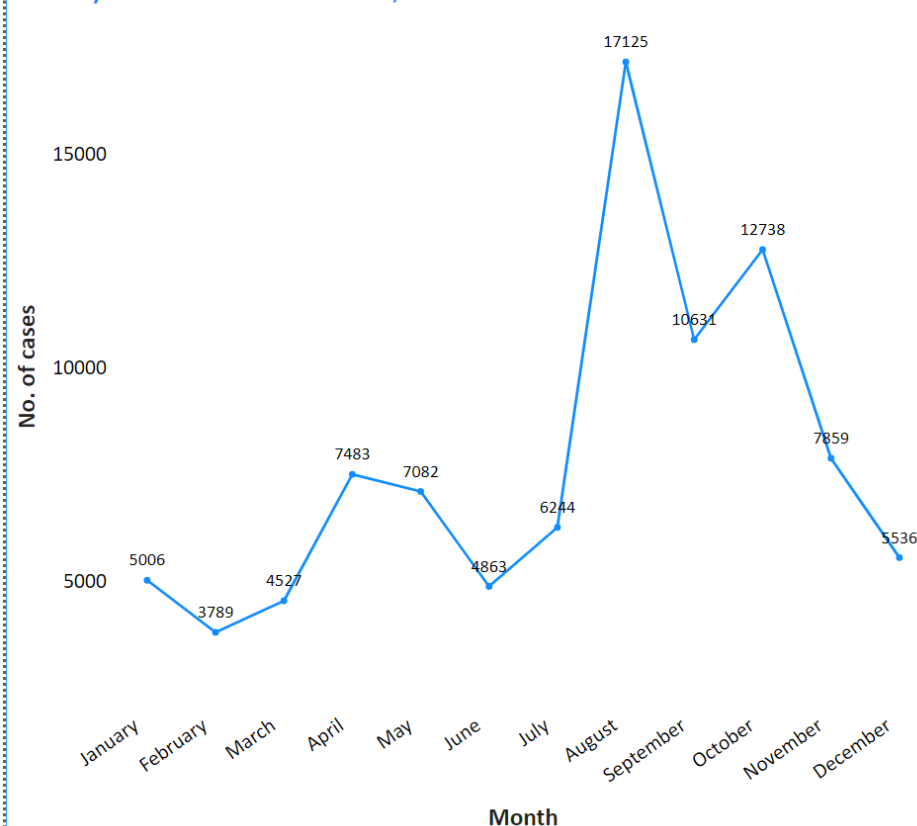


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

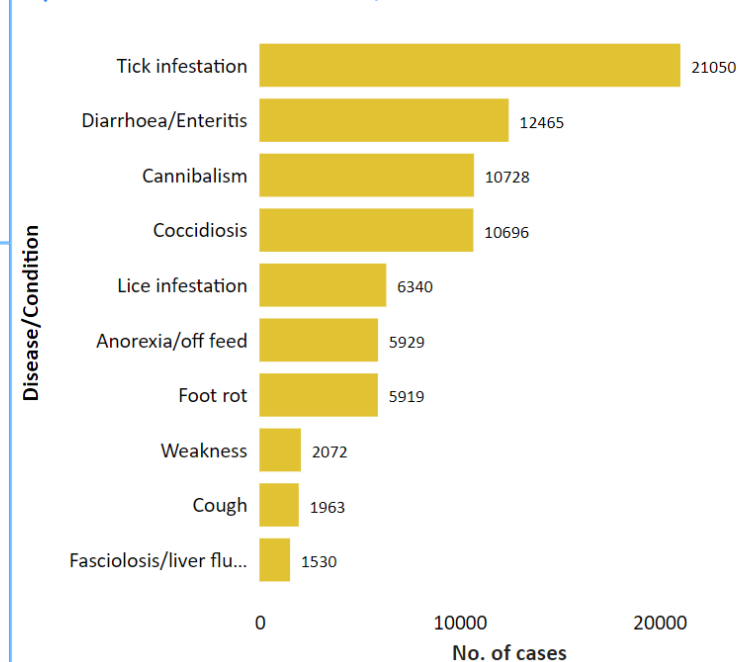
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Chhoekhor	20806	0	639	6	23819	903	46173
Chhumig	10824	260	25	4	553	142	11808
Tang	11331	6852	10	0	10243	197	28633
Ura	5988	0	149	0	0	132	6269
Total cases	48949	7112	823	10	34615	1374	92883

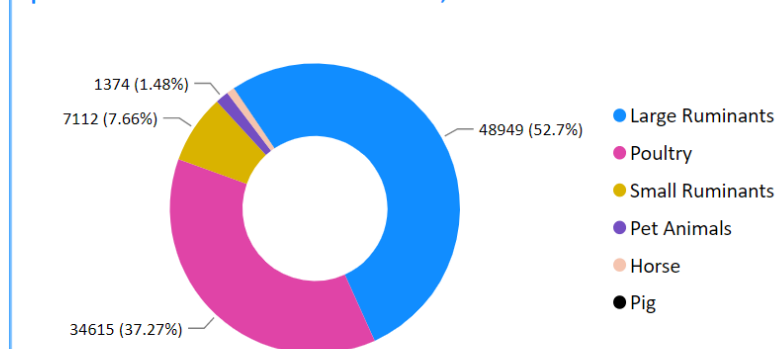
Monthly distribution of clinical cases, 2016-2021



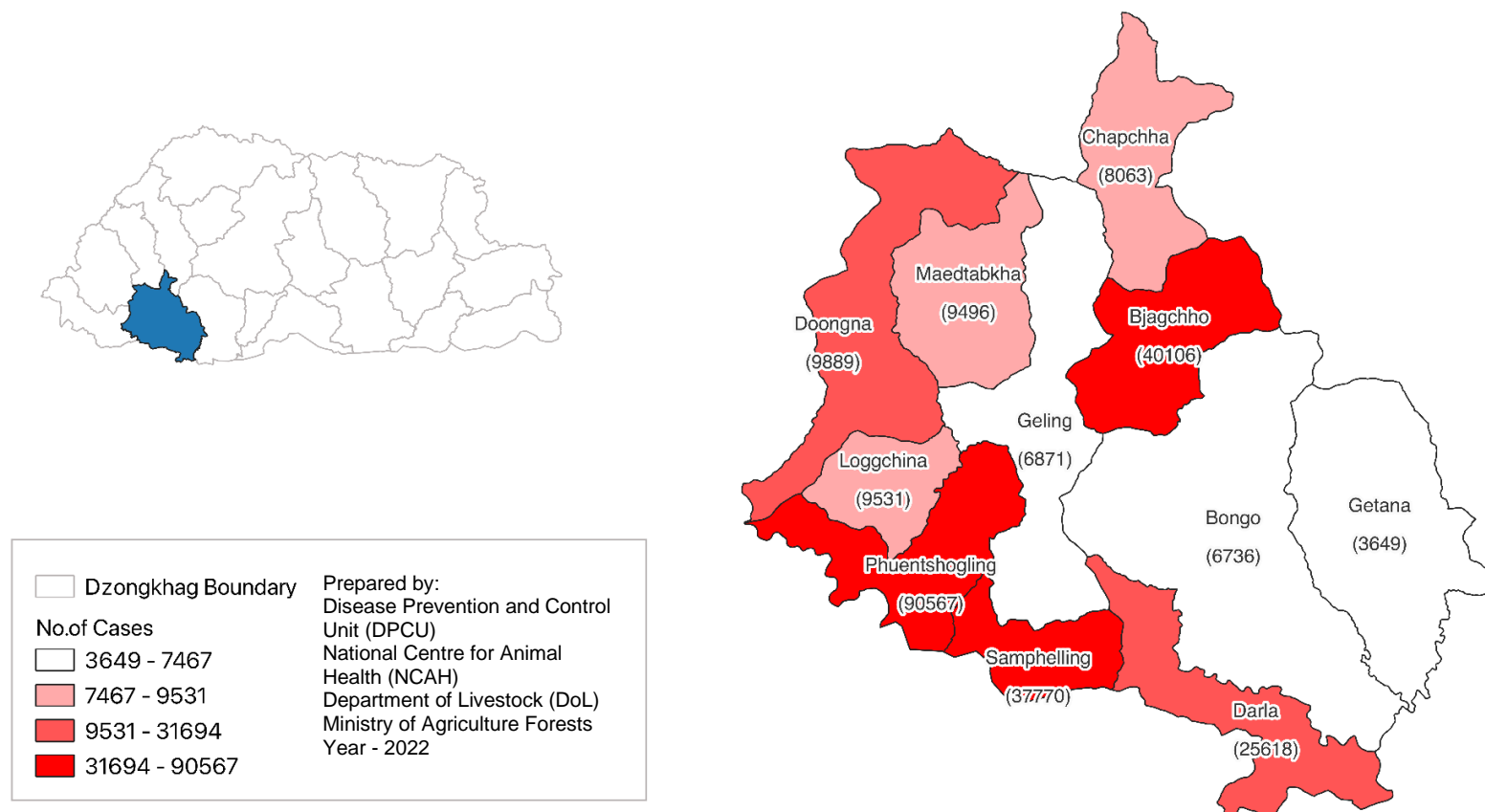
Top 10 clinical conditions recorded, 2016-2021



Species-wise distribution of clinical cases, 2016-2021



**Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.**

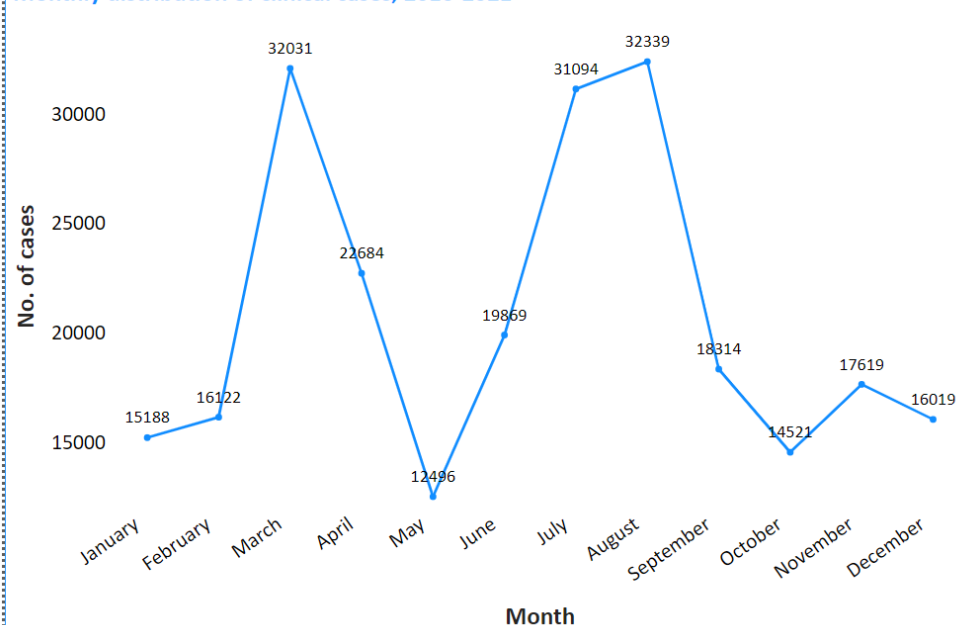


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

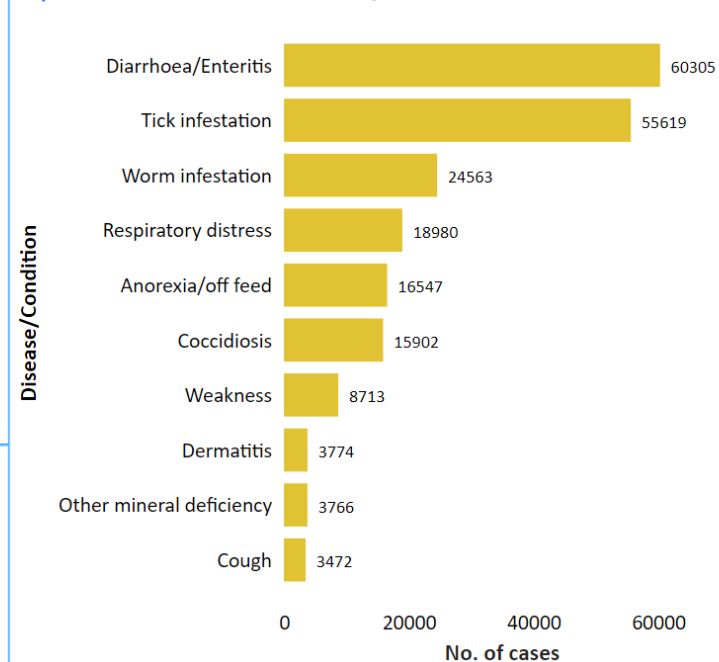
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Bjagchho	11110	131	5	256	27396	1208	40106
Bongo	5015	0	0	33	1551	137	6736
Chapchha	3092	0	0	2	4713	256	8063
Darla	8277	514	0	354	16145	328	25618
Doongna	7530	256	8	367	1460	268	9889
Geling	6541	157	2	63	14	94	6871
Getana	3272	11	80	168	114	4	3649
Loggchina	5429	1067	8	378	2581	68	9531
Maedtabkha	9347	8	13	0	58	70	9496
Phuentshogling	17215	3477	47	948	46540	22340	90567
Samphelling	5007	1070	19	1096	29608	970	37770
Total cases	81835	6691	182	3665	130180	25743	248296

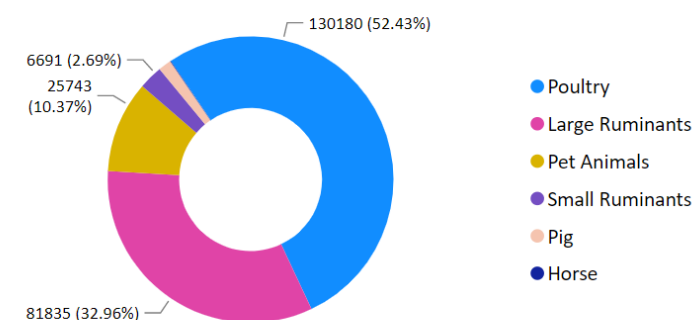
Monthly distribution of clinical cases, 2016-2021



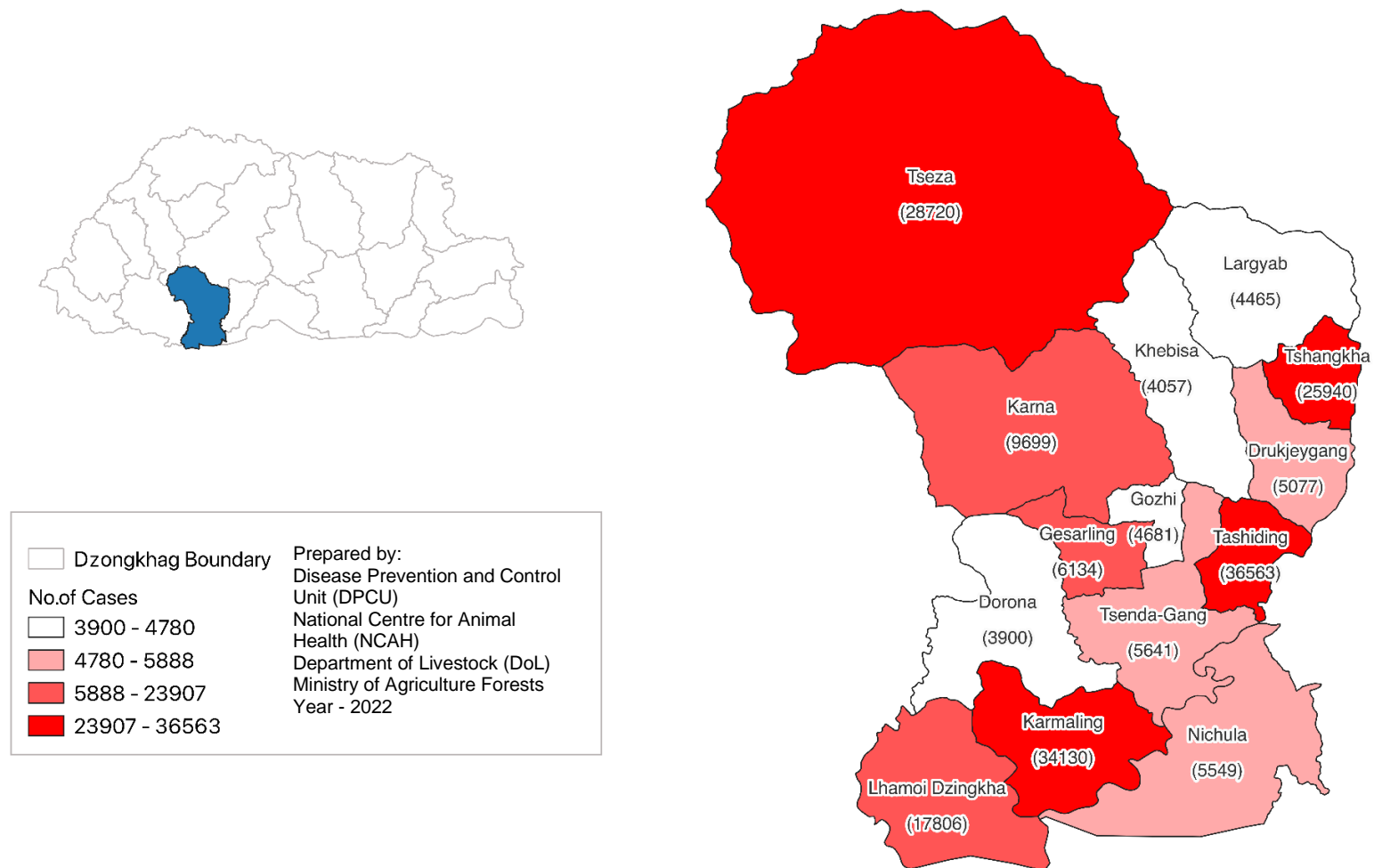
Top 10 clinical conditions recorded, 2016-2021



Species-wise distribution of clinical cases, 2016-2021



**Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.**



Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

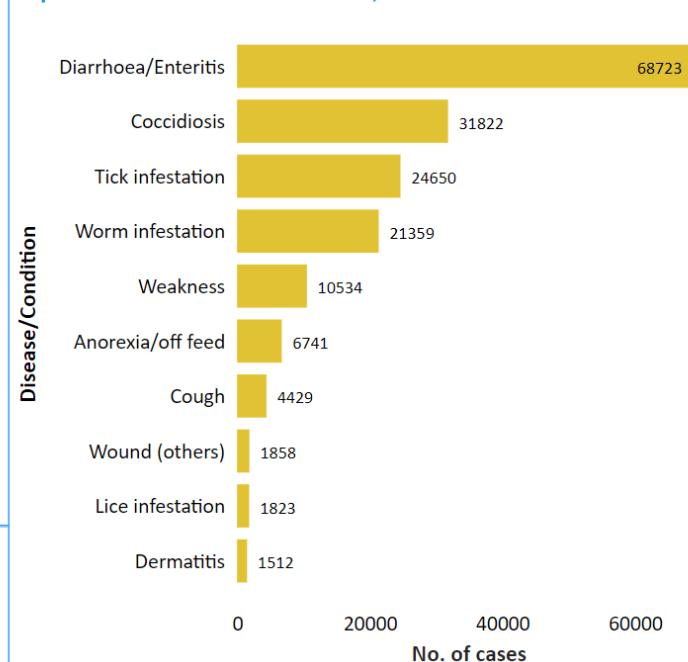
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Dorona	1462	234	52	192	1785	175	3900
Drukjeygang	4296	120	1	339	193	128	5077
Gesarling	2421	376	0	205	2922	210	6134
Gozhi	2201	73	0	212	2084	111	4681
Karmaling	4066	1558	2	453	27826	225	34130
Karna	8639	67	0	94	881	18	9699
Khebisa	2779	93	41	135	910	99	4057
Largyab	2957	140	1	150	992	225	4465
Lhamoi Dzingkha	3906	1019	0	322	12285	274	17806
Nichula	4555	301	0	15	634	44	5549
Tashiding	2089	244	0	2808	31238	184	36563
Tsenda-Gang	1344	135	0	332	3691	139	5641
Tseza	9178	159	30	802	18131	420	28720
Tshangkha	8832	2665	21	2031	11558	833	25940
Total cases	58725	7184	148	8090	115130	3085	192362

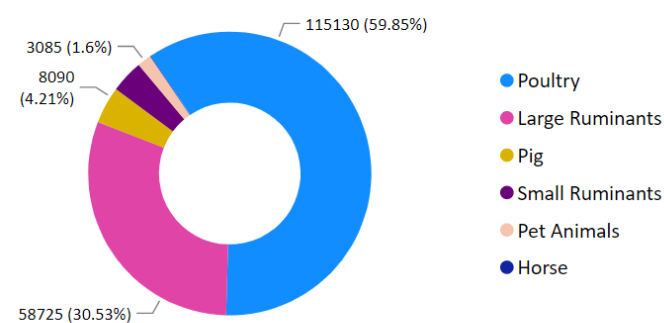
Monthly distribution of clinical cases, 2016-2021



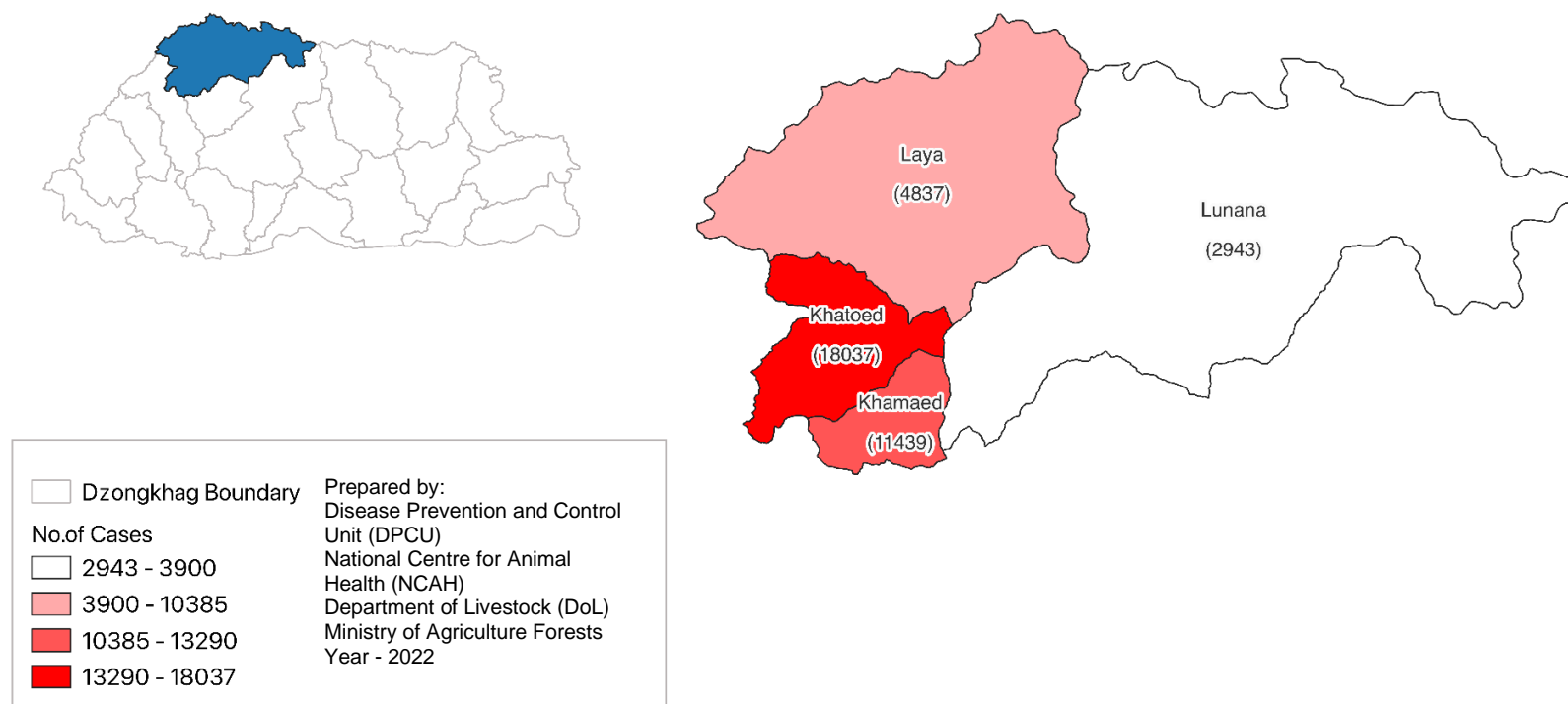
Top 10 clinical conditions recorded, 2016-2021



Species-wise distribution of clinical cases, 2016-2021



**Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.**

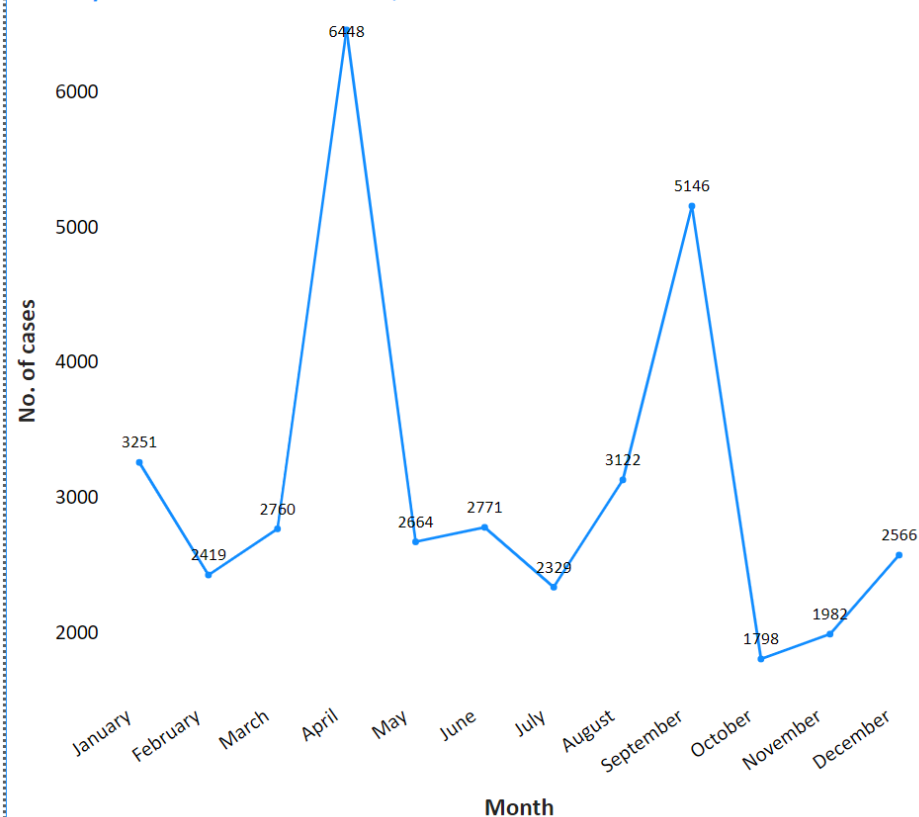


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

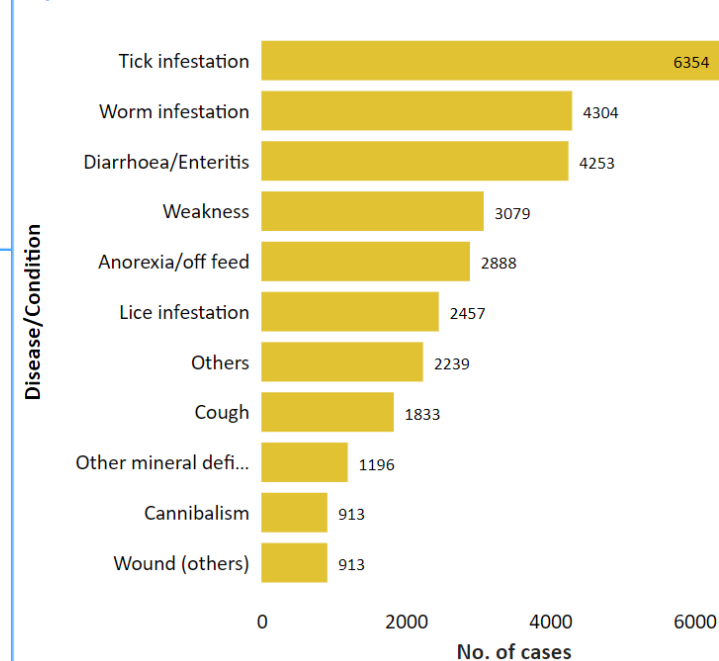
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Khamaed	10082	1	419	0	543	394	11439
Khatoed	7258	1	2851	0	7497	430	18037
Laya	2044	4	1842	0	0	947	4837
Lunana	2876	0	60	0	0	7	2943
Total cases	22260	6	5172	0	8040	1778	37256

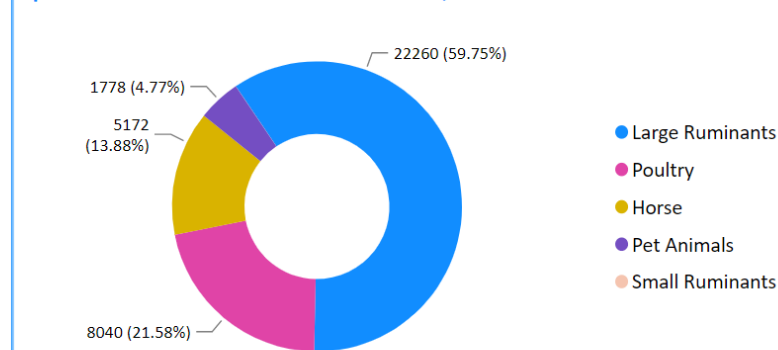
Monthly distribution of clinical cases, 2016-2021



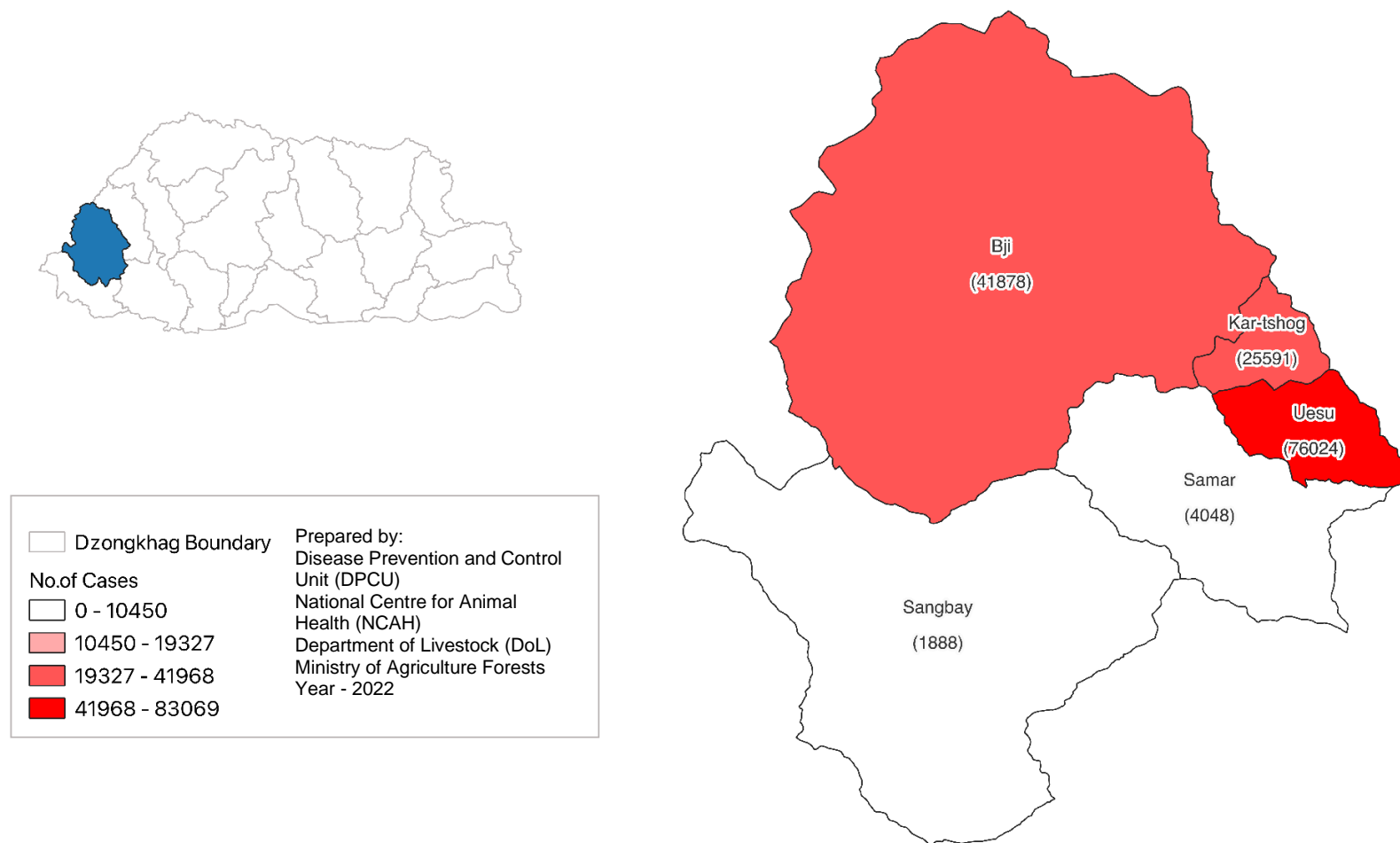
Top 10 clinical conditions recorded, 2016-2021



Species-wise distribution of clinical cases, 2016-2021



Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.

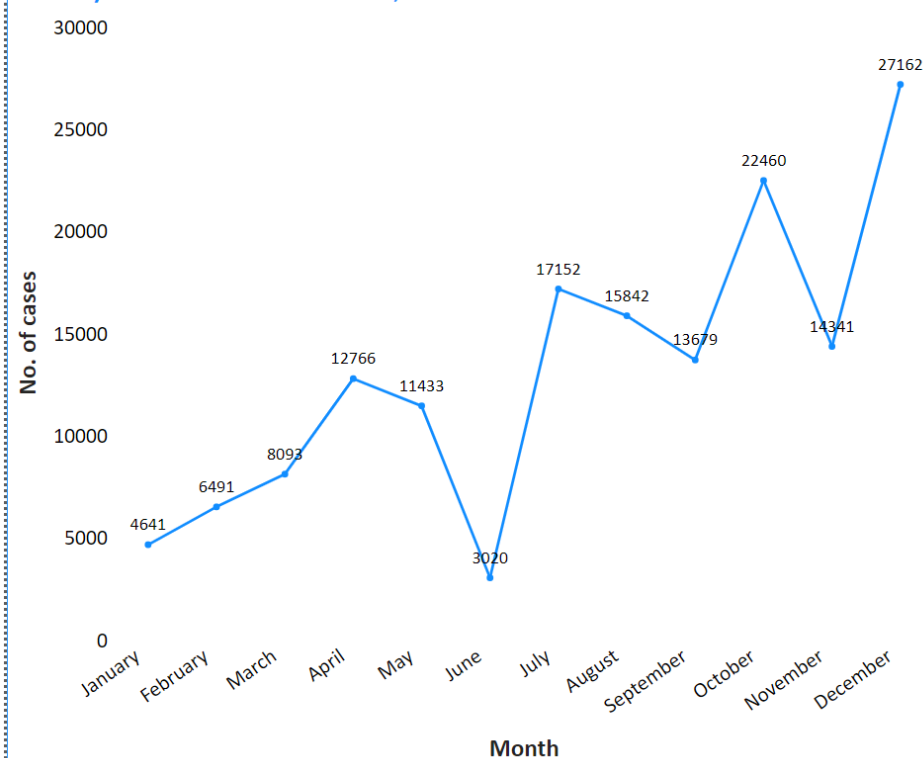


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

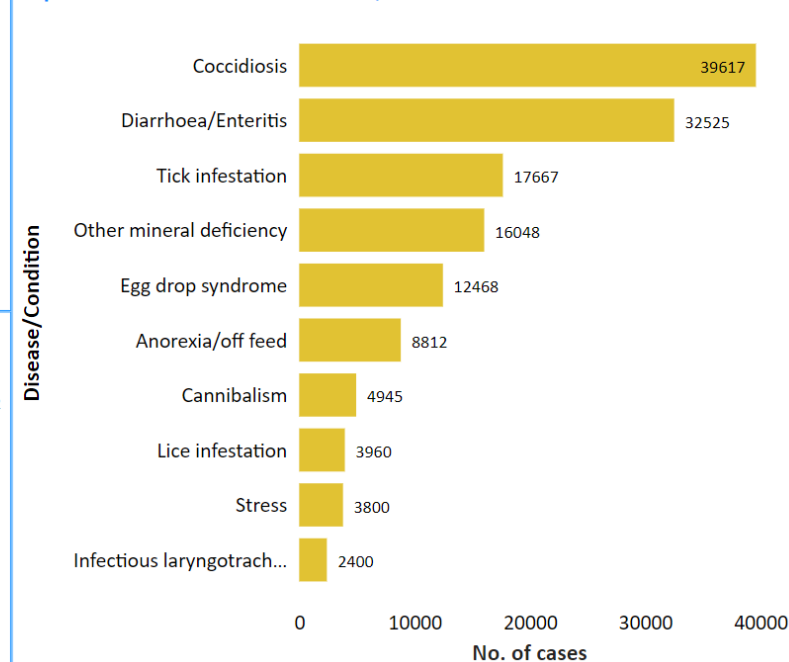
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Bji	5300	0	533	0	36006	39	41878
Gaki-ling	2033	1	29	55	5476	57	7651
Kar-tshog	8053	0	476	17	16853	192	25591
Samar	4036	0	4	0	0	8	4048
Sangbay	1762	0	30	1	47	48	1888
Uesu	13133	0	191	37	61829	834	76024
Total cases	34317	1	1263	110	120211	1178	157080

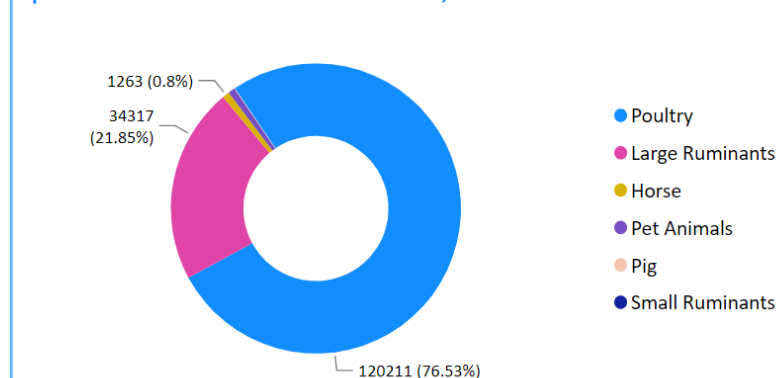
Monthly distribution of clinical cases, 2016-2021



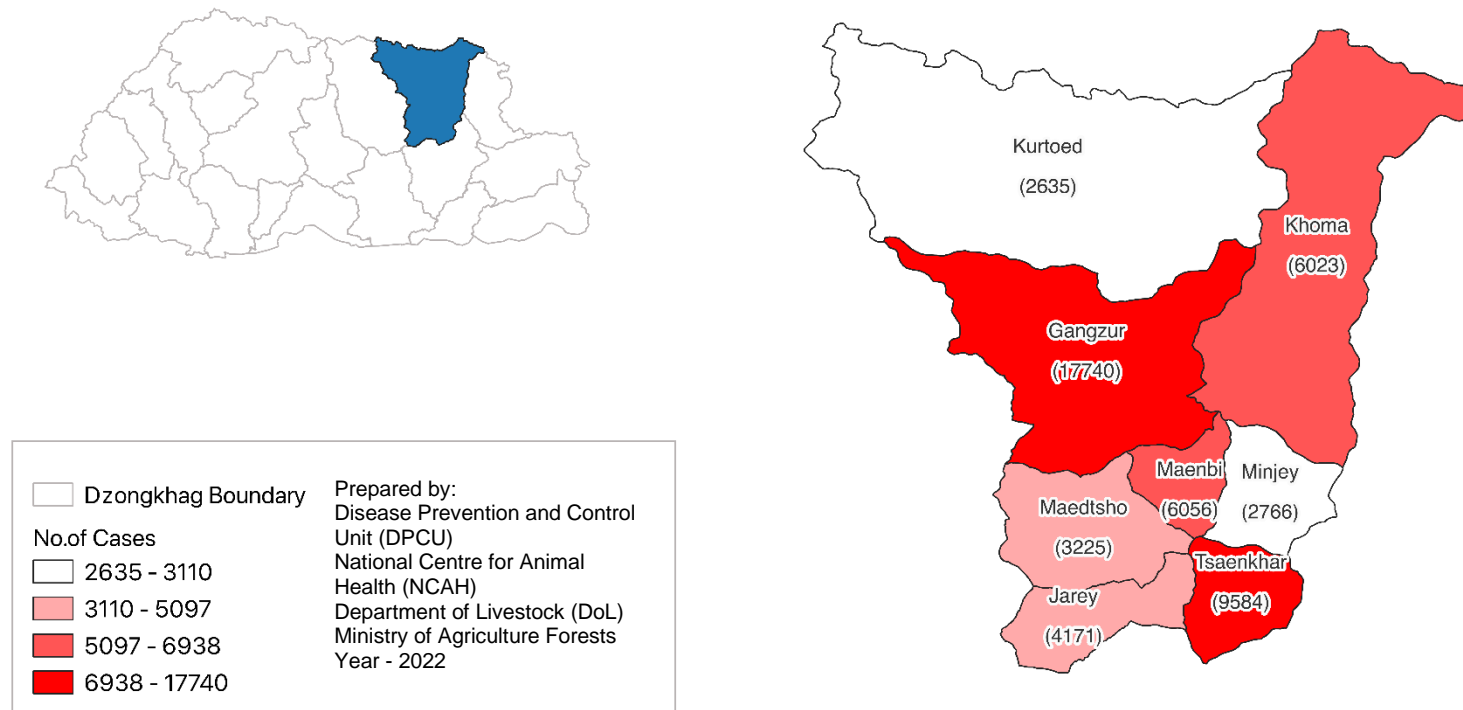
Top 10 clinical conditions recorded, 2016-2021



Species-wise distribution of clinical cases, 2016-2021



Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.

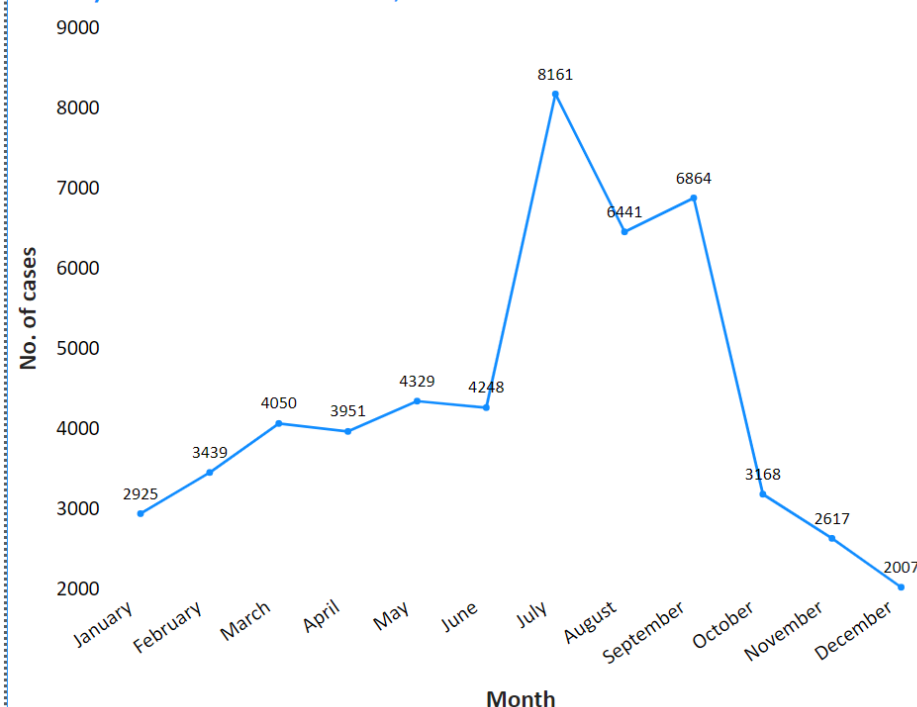


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

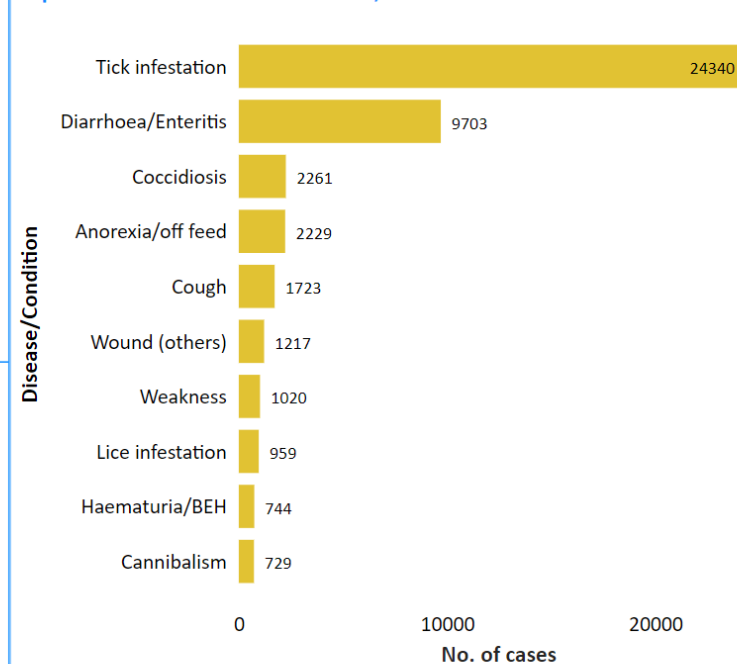
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Gangzur	11642	3	83	157	5475	380	17740
Jarey	3559	0	16	12	558	26	4171
Khoma	5455	0	202	0	336	30	6023
Kurtoed	2377	1	13	2	229	13	2635
Maedtsho	2880	20	28	64	169	64	3225
Maenbi	4694	29	16	80	981	256	6056
Minjey	2503	0	4	11	247	1	2766
Tsaenkhar	5550	29	132	17	3656	200	9584
Total cases	38660	82	494	343	11651	970	52200

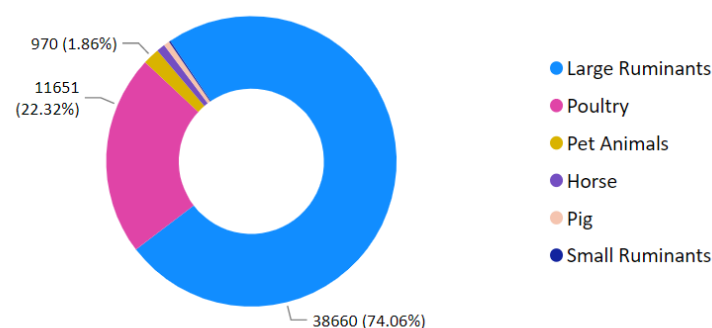
Monthly distribution of clinical cases, 2016-2021



Top 10 clinical conditions recorded, 2016-2021

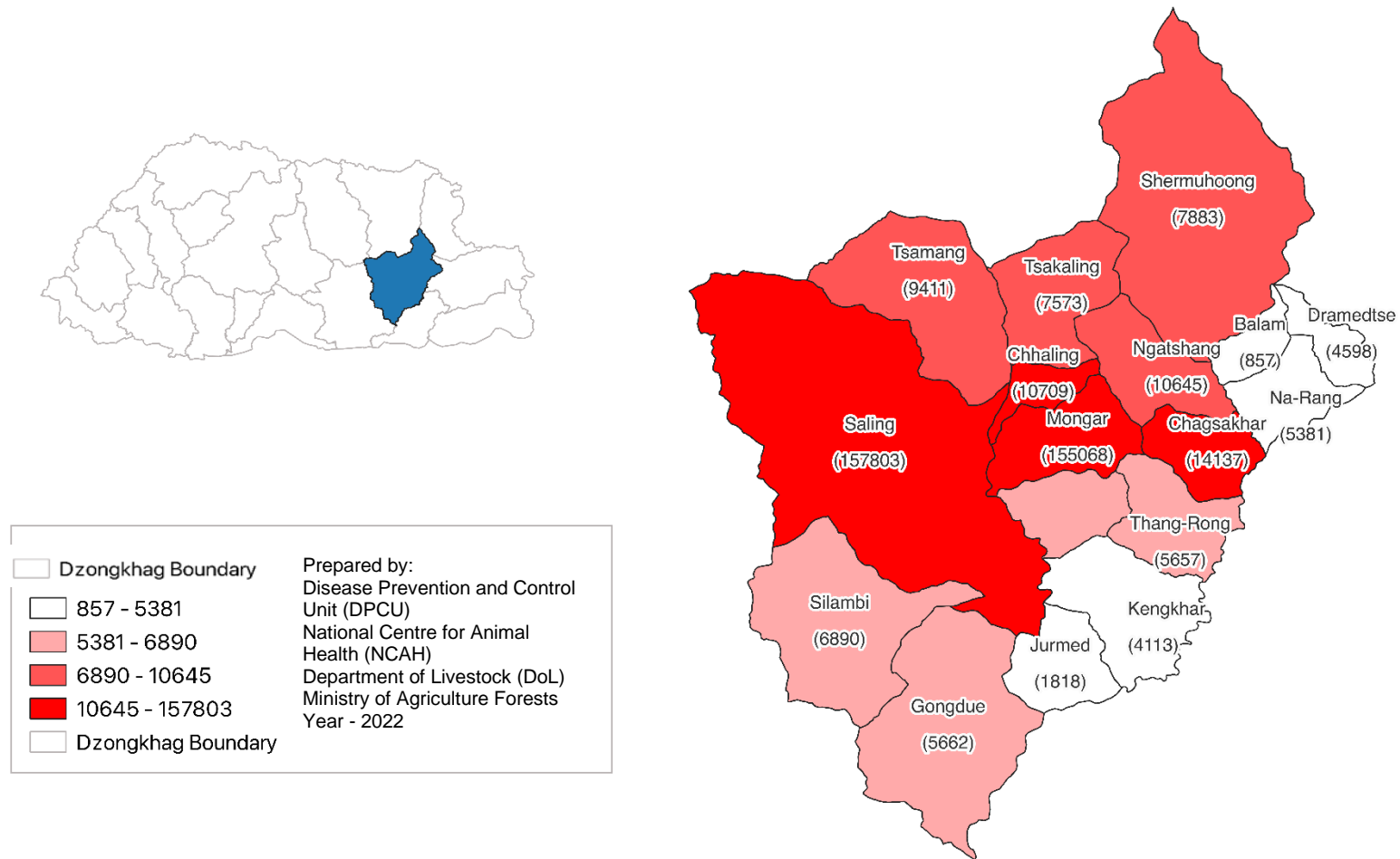


Species-wise distribution of clinical cases, 2016-2021



MONGAR DZONGKHAG

**Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.**

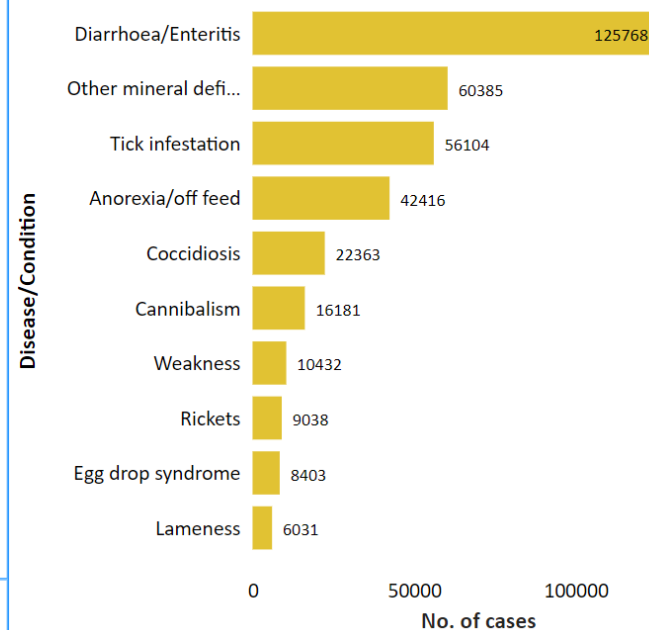


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

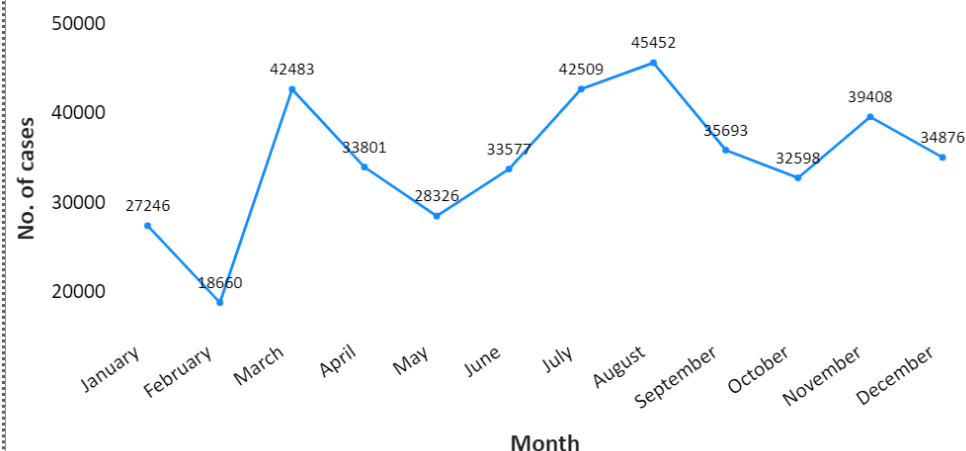
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Balam	831	0	0	0	14	12	857
Chagsakhar	13054	1	1	14	663	404	14137
Chhaling	3306	0	3	30	7297	73	10709
Dramedtse	4394	0	83	1	13	107	4598
Drepoons	3549	0	0	9	2793	73	6424
Gongdue	4231	4	93	474	791	69	5662
Jurmed	1695	0	106	0	11	6	1818
Kengkhar	3120	0	26	8	876	83	4113
Mongar	17568	197	10	234	134493	2566	155068
Na-Rang	5195	0	34	0	86	66	5381
Ngatshang	8302	2	0	26	1939	376	10645
Saling	8704	92	16	14301	131128	3562	157803
Shermuhoong	7610	0	34	35	111	93	7883
Silambi	5161	0	40	25	1583	81	6890
Thang-Rong	4378	3	1	67	1188	20	5657
Tsakaling	3865	0	22	0	3638	48	7573
Tsamang	5864	0	18	6	3460	63	9411
Total cases	100827	299	487	15230	290084	7702	414629

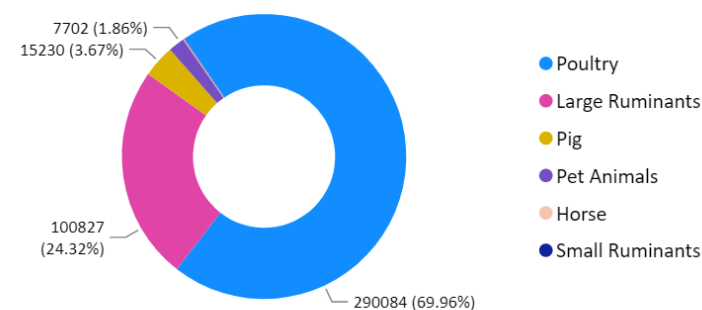
Top 10 clinical conditions recorded, 2016-2021



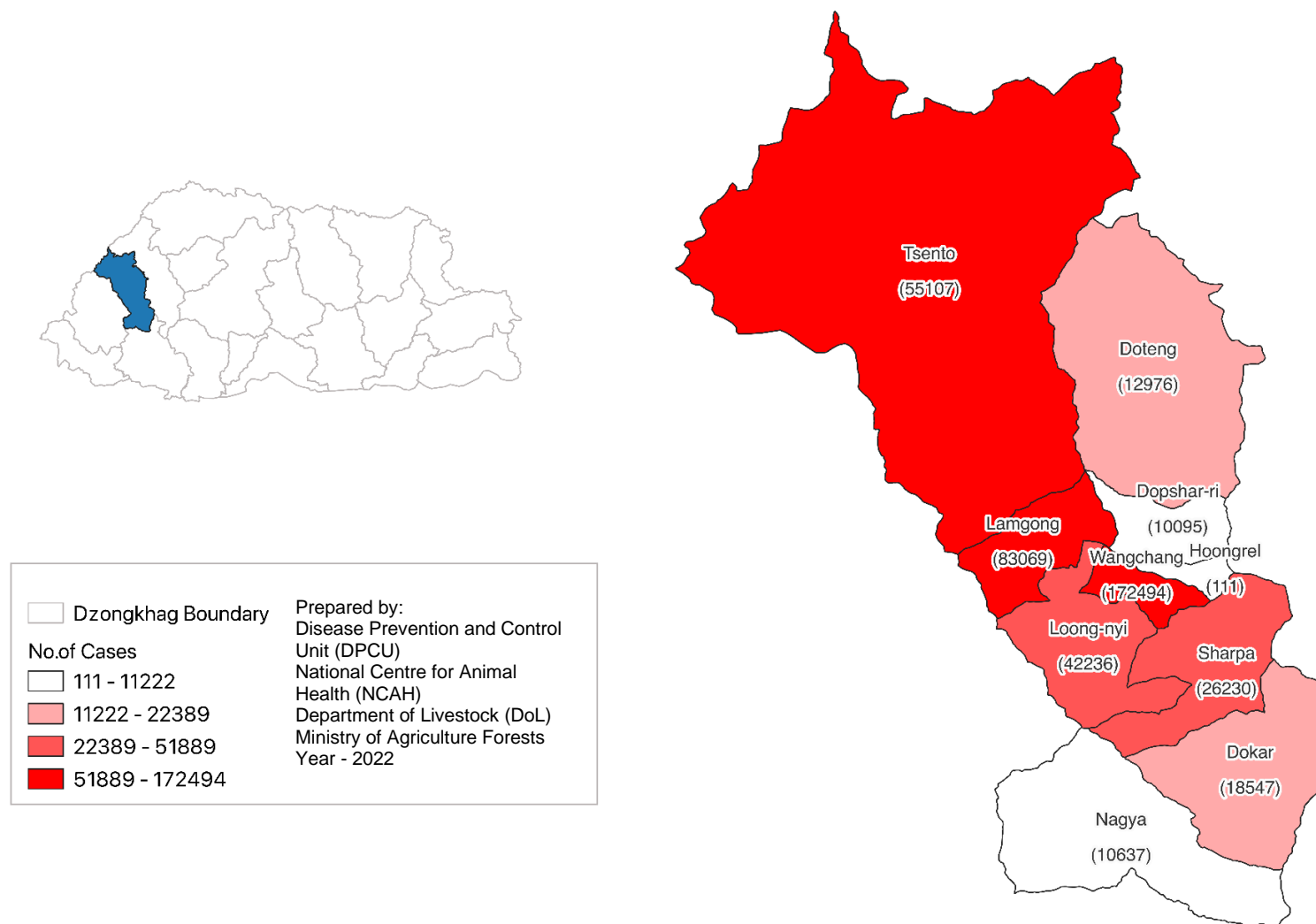
Monthly distribution of clinical cases, 2016-2021



Species-wise distribution of clinical cases, 2016-2021



Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.

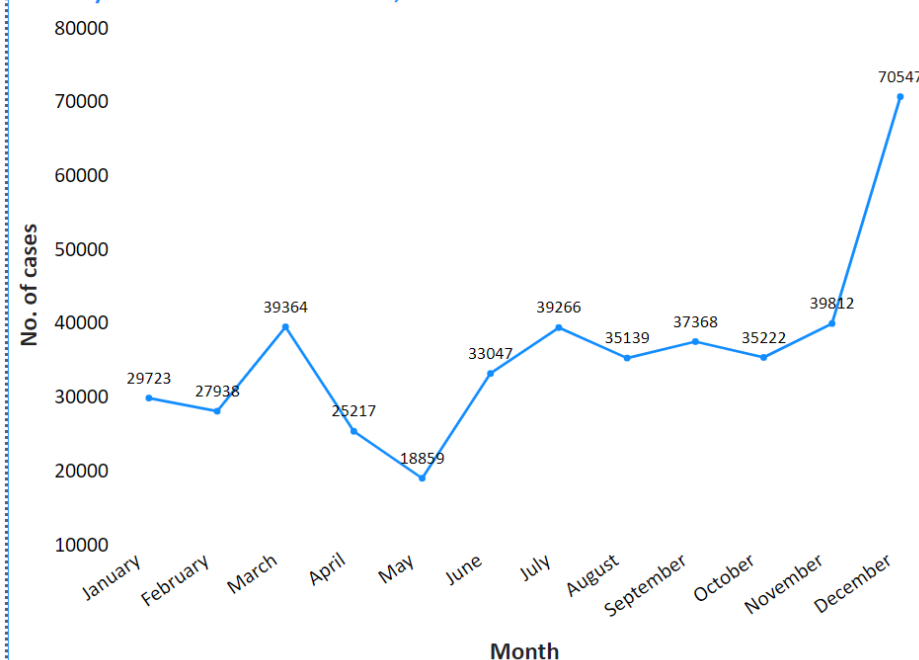


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

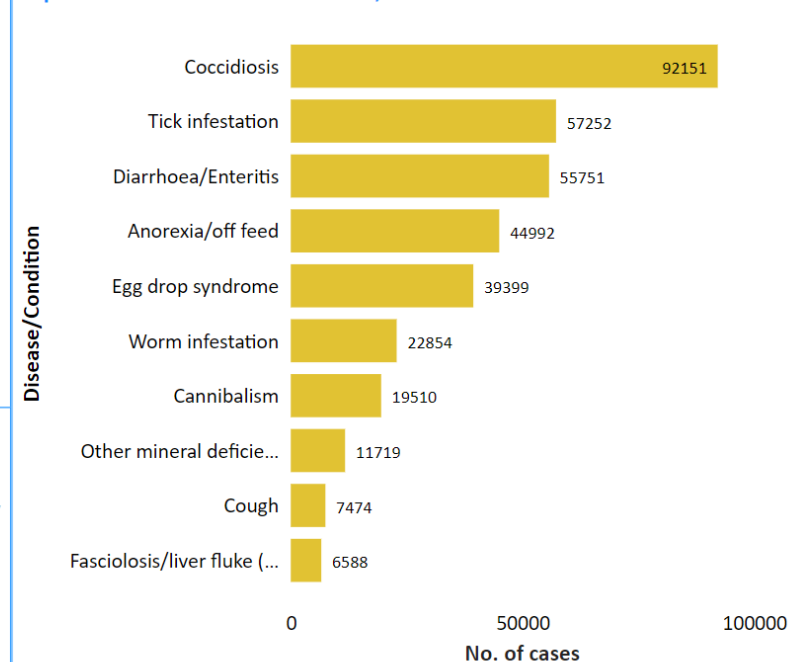
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Dokar	13813	0	23	0	3539	1172	18547
Dopshar-ri	5593	0	100	95	3921	386	10095
Doteng	8866	3	189	529	3032	357	12976
Hoongrel	78	0	0	6	0	27	111
Lamgong	17910	0	54	170	63450	1485	83069
Loong-nyi	24895	0	0	200	16791	350	42236
Nagya	9643	0	18	4	850	122	10637
Sharpa	10677	2	10	1133	13840	568	26230
Tsento	9745	0	1033	53	43766	510	55107
Wangchang	38051	2	499	1463	117997	14482	172494
Total cases	139271	7	1926	3653	267186	19459	431502

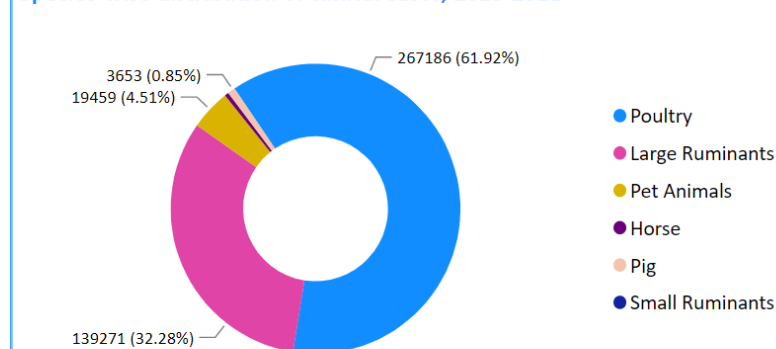
Monthly distribution of clinical cases, 2016-2021



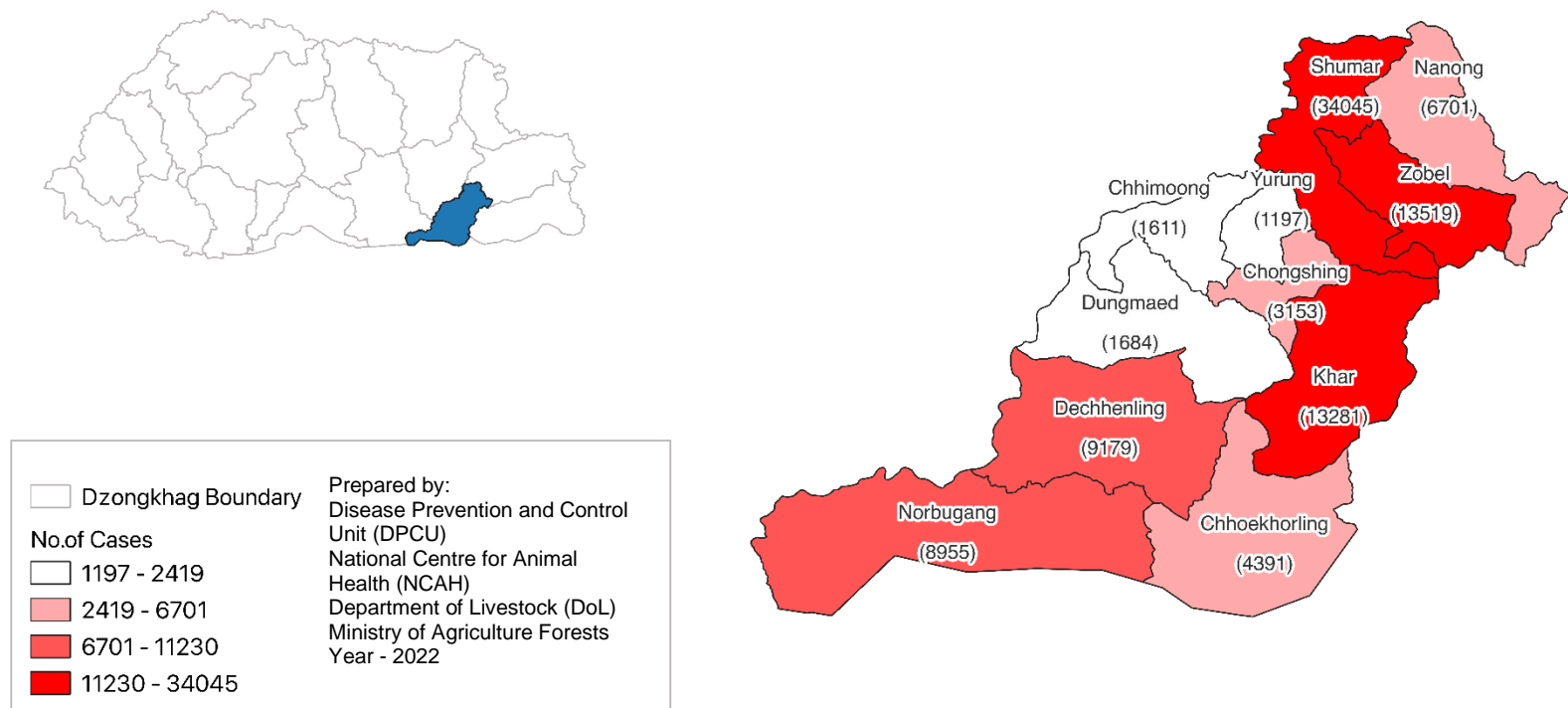
Top 10 clinical conditions recorded, 2016-2021



Species-wise distribution of clinical cases, 2016-2021



**Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.**

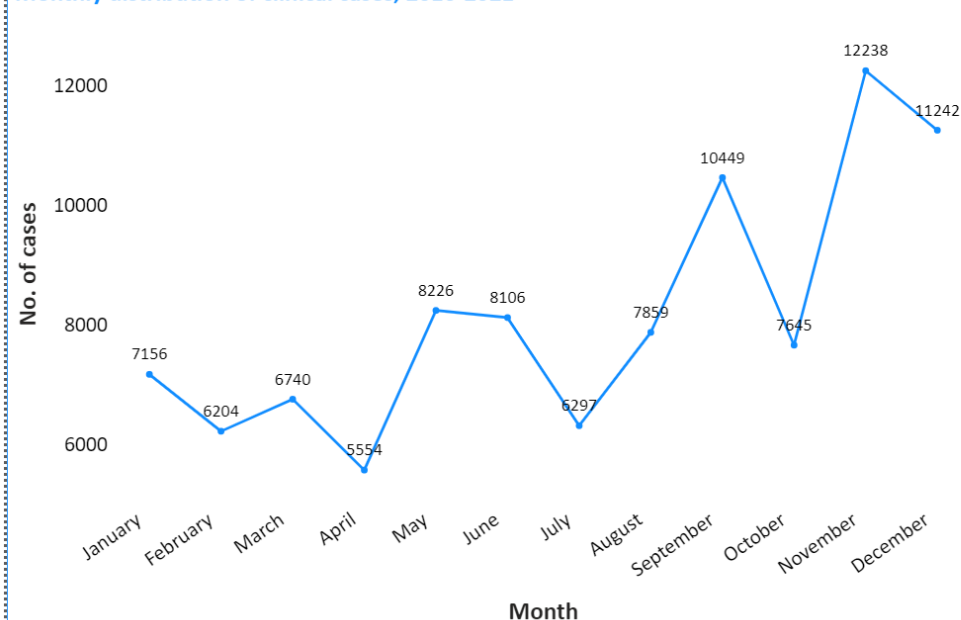


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

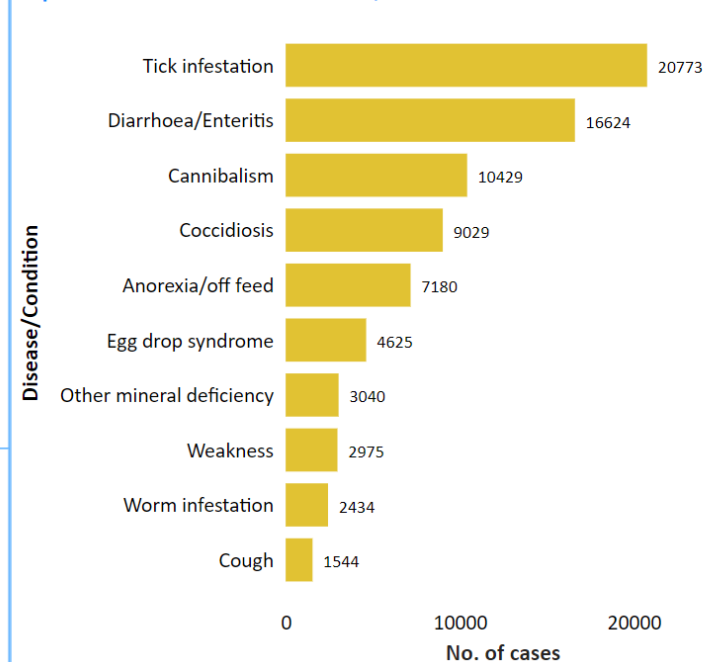
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Chhimoong	1162	0	22	151	254	22	1611
Chhoekhorling	3385	0	0	20	924	62	4391
Chongshing	1463	2	0	12	1634	42	3153
Dechhenling	1763	0	239	55	6757	365	9179
Dungmaed	1329	0	6	59	212	78	1684
Khar	1661	0	6	3	11552	59	13281
Nanong	5122	2	48	368	889	272	6701
Norboo-gang	6095	0	12	33	2004	811	8955
Shumar	12580	3	2	267	20280	913	34045
Yurung	1087	0	0	82	20	8	1197
Zobel	9275	19	13	383	3385	444	13519
Total cases	44922	26	348	1433	47911	3076	97716

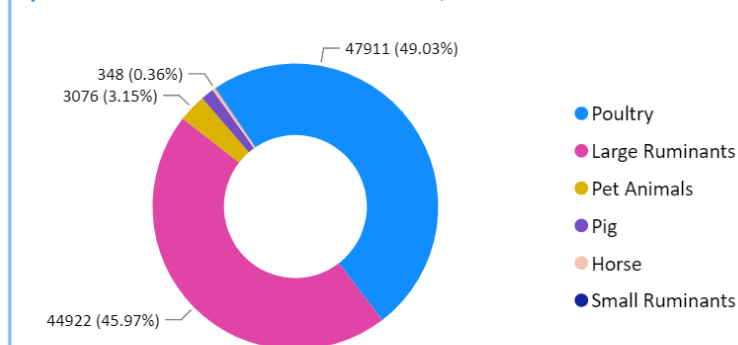
Monthly distribution of clinical cases, 2016-2021



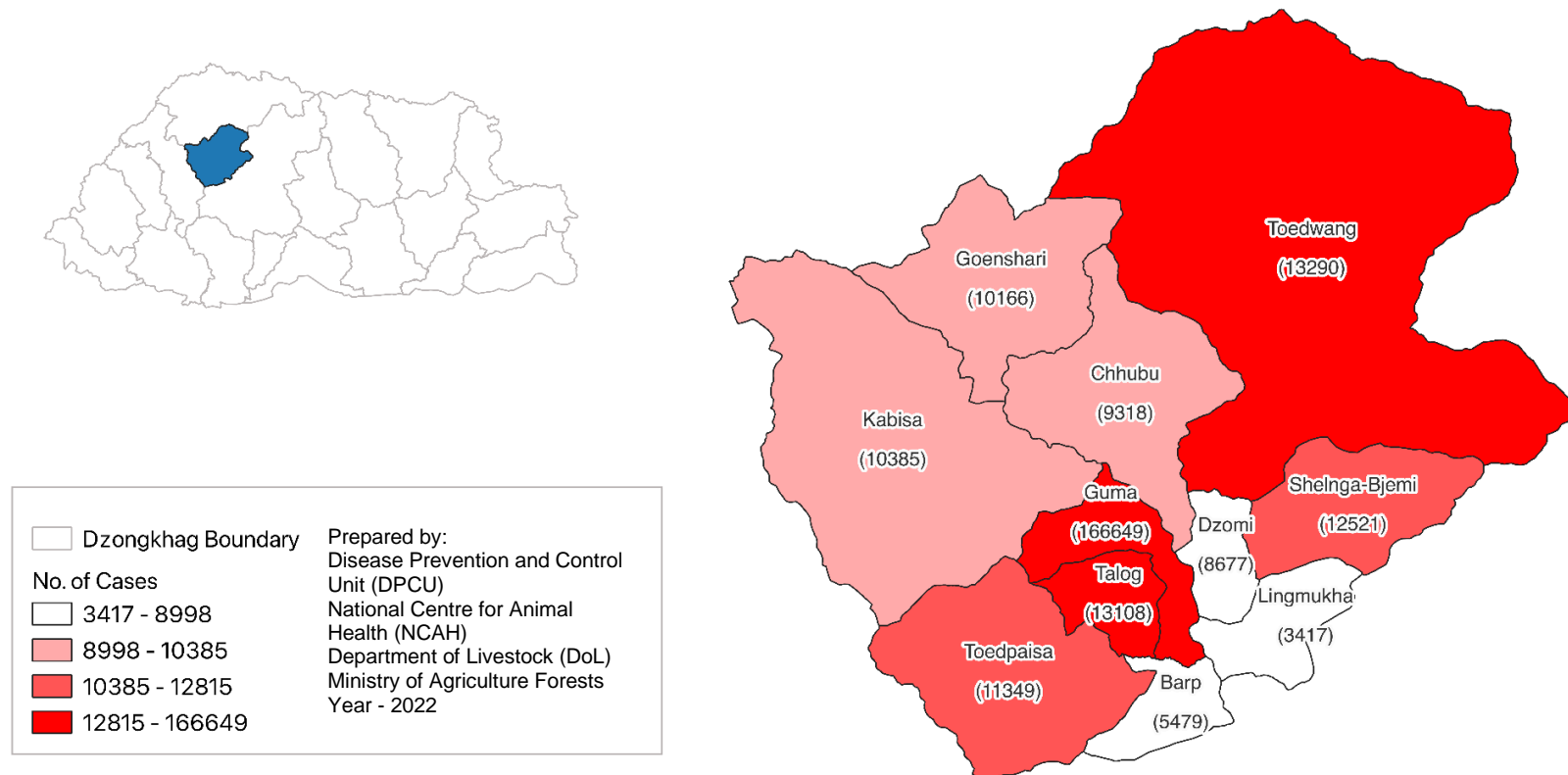
Top 10 clinical conditions recorded, 2016-2021



Species-wise distribution of clinical cases, 2016-2021



**Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.**

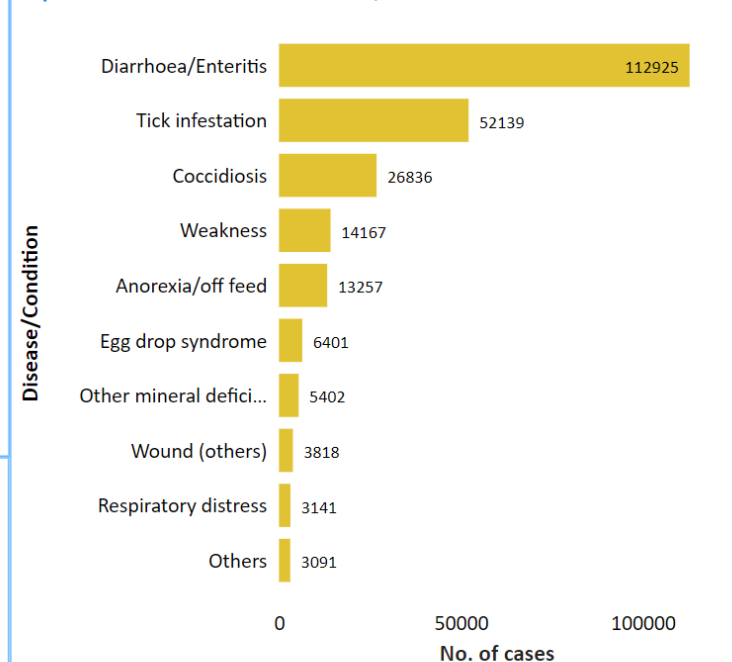


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

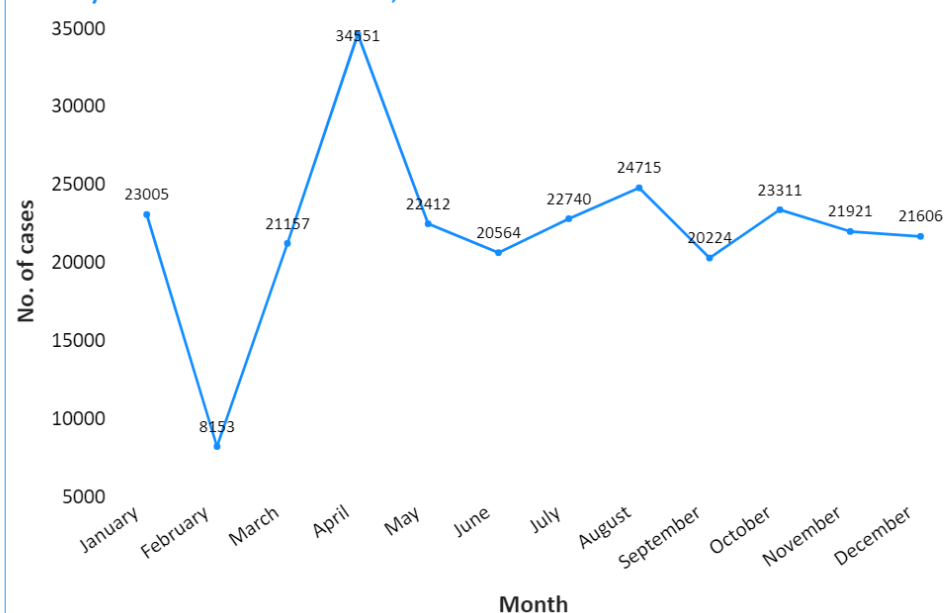
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Barp	2265	26	2	185	2590	411	5479
Chhubu	5605	9	130	24	3279	271	9318
Dzomi	5132	0	20	53	2935	537	8677
Goenshari	6920	240	69	85	2595	257	10166
Guma	19963	179	1158	1175	139010	5164	166649
Kabisa	8302	39	88	138	1504	314	10385
Lingmukha	2876	6	9	0	255	271	3417
Shelnga-Bjemi	5153	24	12	86	7065	181	12521
Talog	5231	4	12	154	7216	491	13108
Toedpaisa	5583	0	0	0	5403	363	11349
Toedwang	8359	11	223	39	4252	406	13290
Total cases	75389	538	1723	1939	176104	8666	264359

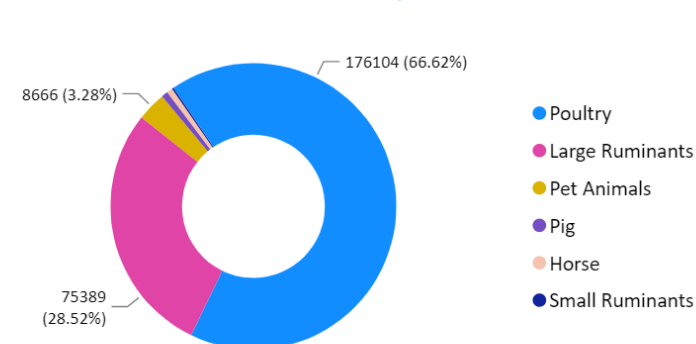
Top 10 clinical conditions recorded, 2016-2021



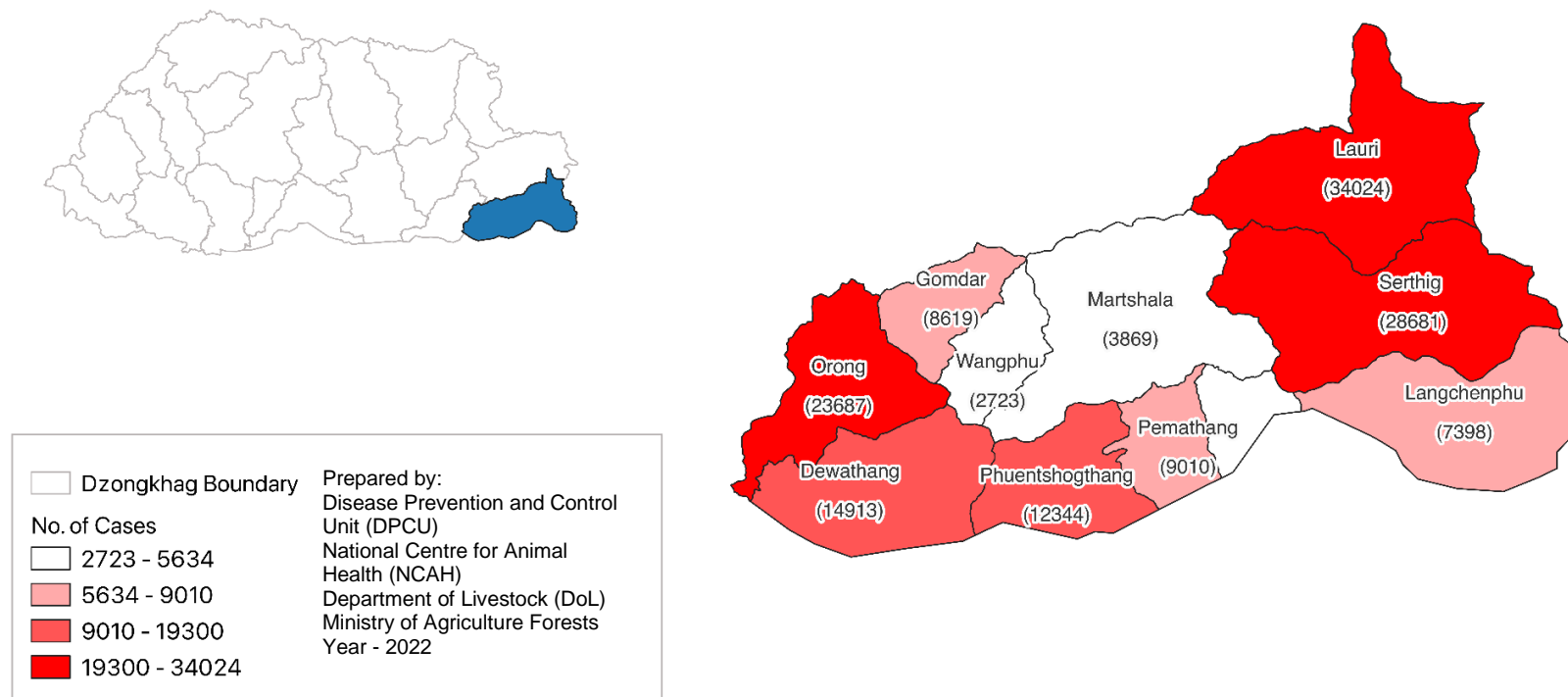
Monthly distribution of clinical cases, 2016-2021



Species-wise distribution of clinical cases, 2016-2021



**Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.**



Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

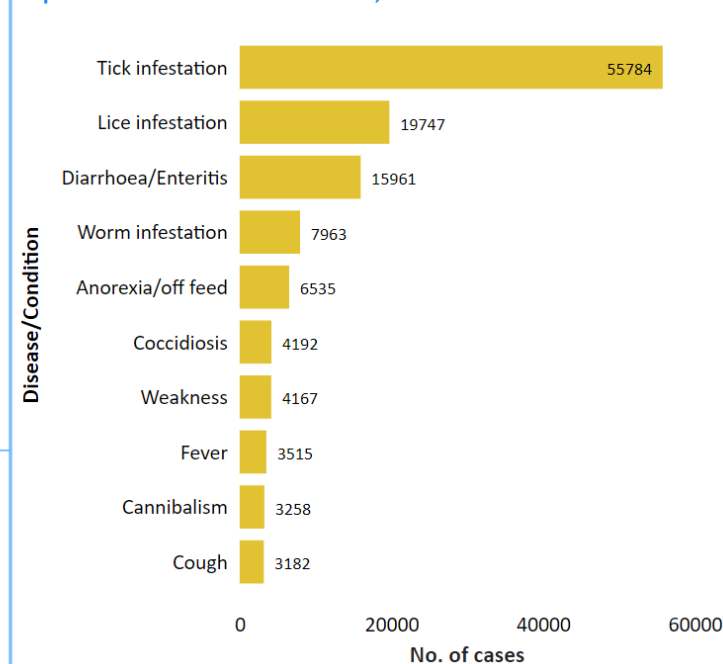
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Dewathang	6884	1	6	13	5600	2409	14913
Gomdar	7973	0	70	188	322	66	8619
Langchenphu	6537	70	1	11	582	197	7398
Lauri	30452	12	335	0	2207	1018	34024
Martshala	3694	0	37	4	43	91	3869
Orong	18060	0	0	0	5565	62	23687
Pemathang	3268	458	0	362	4850	72	9010
Phuentshogthang	7706	1040	0	446	2456	696	12344
Samrang	422	225	0	100	2660	60	3467
Serthig	26147	0	61	135	1929	409	28681
Wangphu	2414	2	101	0	54	152	2723
Total cases	113557	1808	611	1259	26268	5232	148735

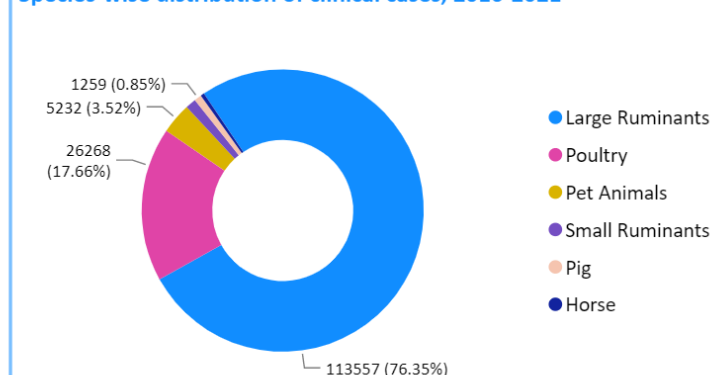
Monthly distribution of clinical cases, 2016-2021



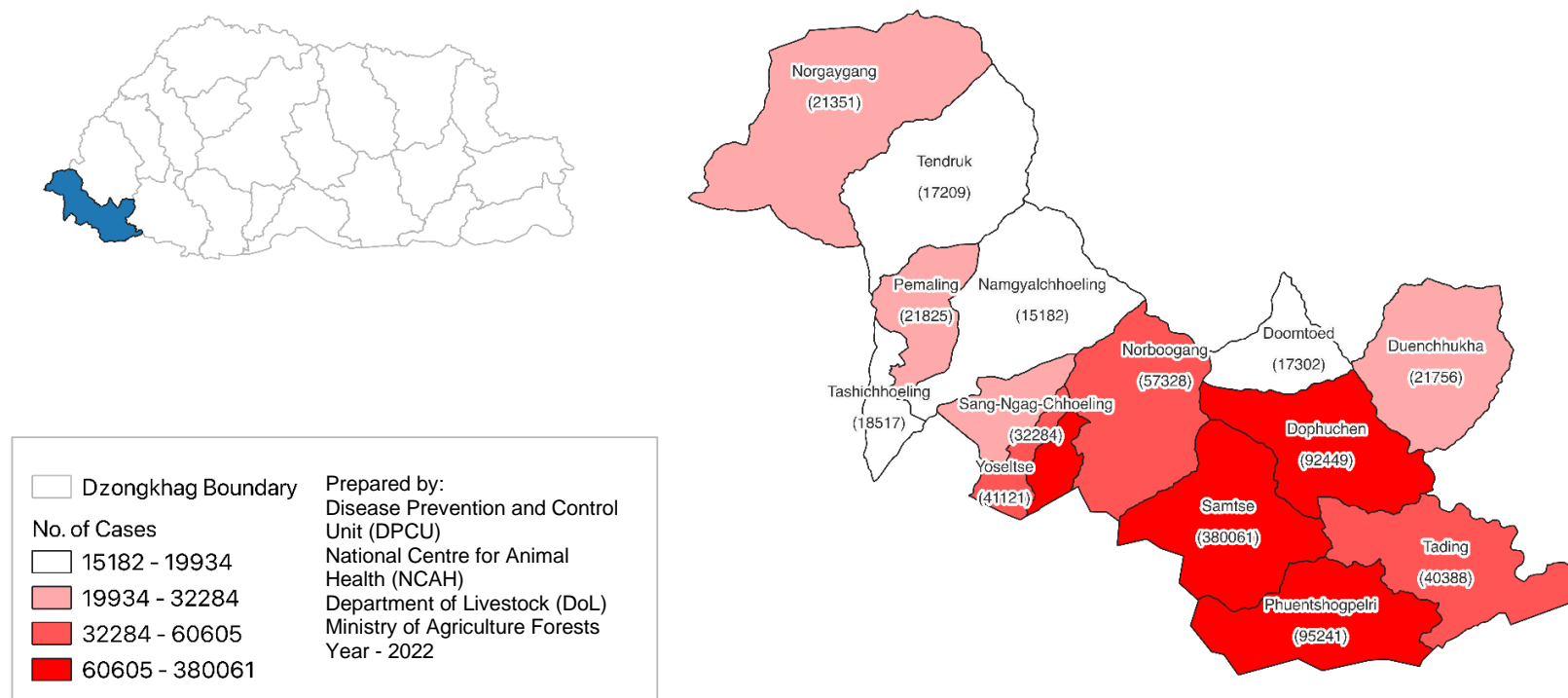
Top 10 clinical conditions recorded, 2016-2021



Species-wise distribution of clinical cases, 2016-2021



**Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.**

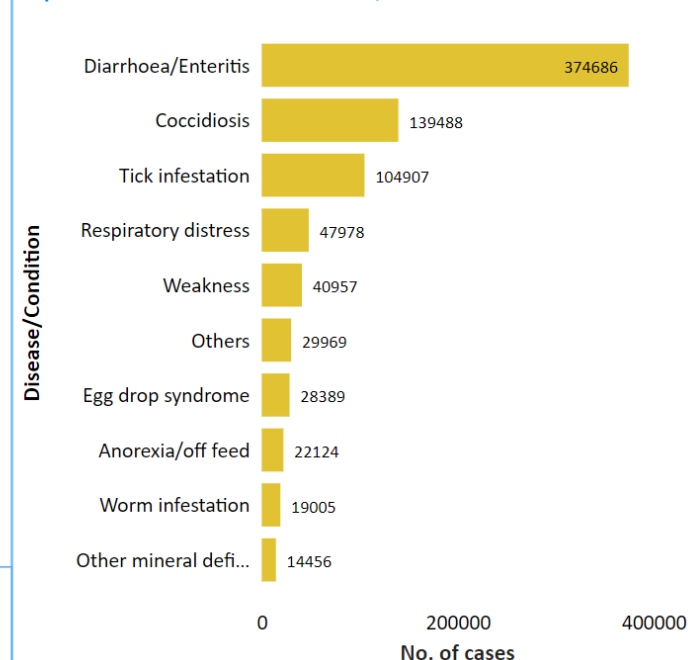


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

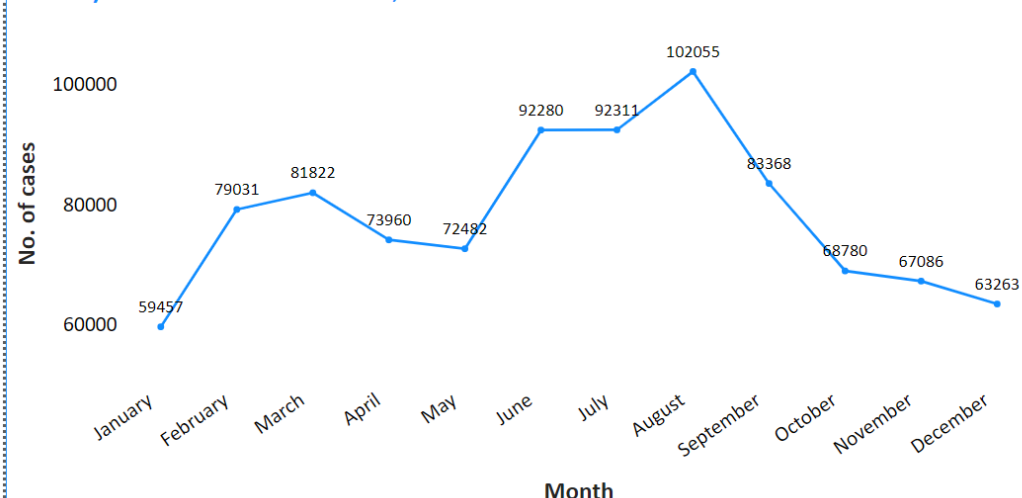
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Doomtoed	6572	214	0	306	10078	132	17302
Dophuchen	12923	864	13	3358	74941	350	92449
Duenchhukha	6699	889	9	72	13956	131	21756
Namgyalchhoeling	10231	924	6	17	3947	57	15182
Norboogang	6149	1716	0	928	48003	532	57328
Norgaygang	4336	974	96	333	15277	335	21351
Pemaling	9864	2470	6	180	8690	615	21825
Phuentshogpelri	4815	1481	0	446	87998	501	95241
Samtse	32930	3598	36	1309	337022	5166	380061
Sang-Ngag-Chhoeling	5800	1515	11	1005	23365	588	32284
Tading	7603	2842	6	451	29090	396	40388
Tashichhoeling	13321	751	42	49	2682	1672	18517
Tendruk	8159	1159	1	172	7021	697	17209
Ugyentse	20108	2271	10	237	40890	365	63881
Yoseltse	12300	1243	0	257	27093	228	41121
Total cases	161810	22911	236	9120	730053	11765	935895

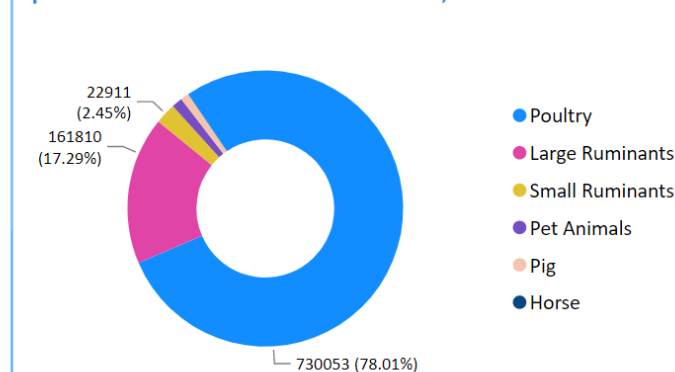
Top 10 clinical conditions recorded, 2016-2021



Monthly distribution of clinical cases, 2016-2021

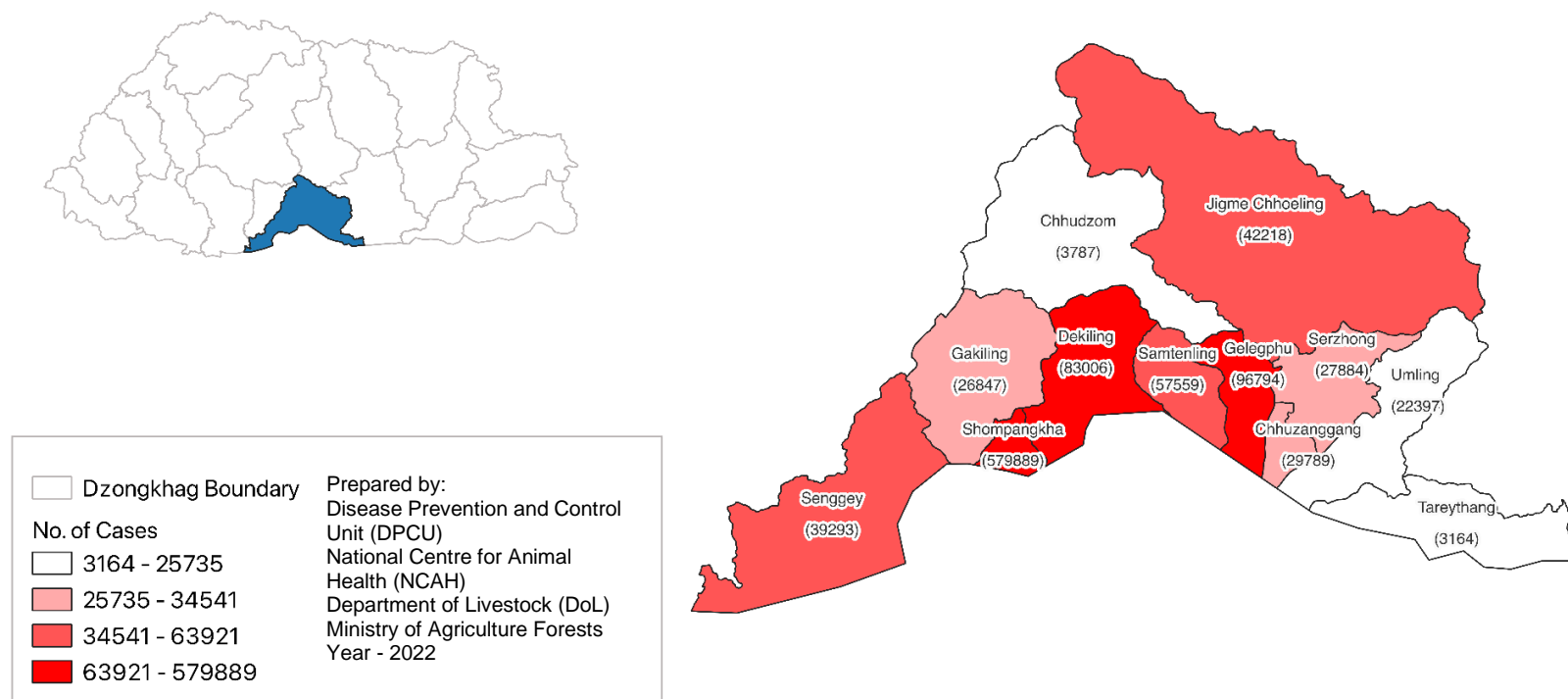


Species-wise distribution of clinical cases, 2016-2021



SARPANG DZONGKHAG

**Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.**

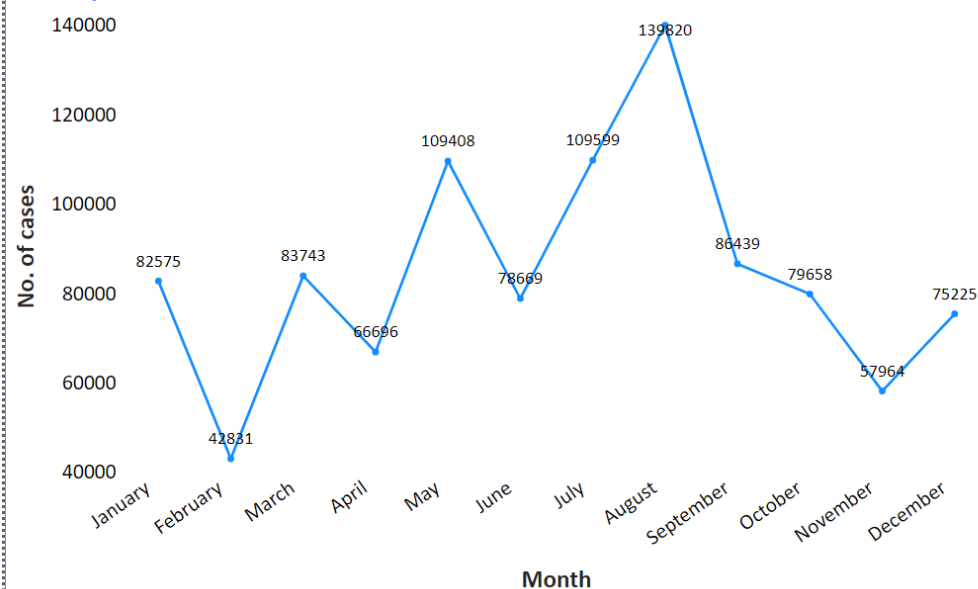


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

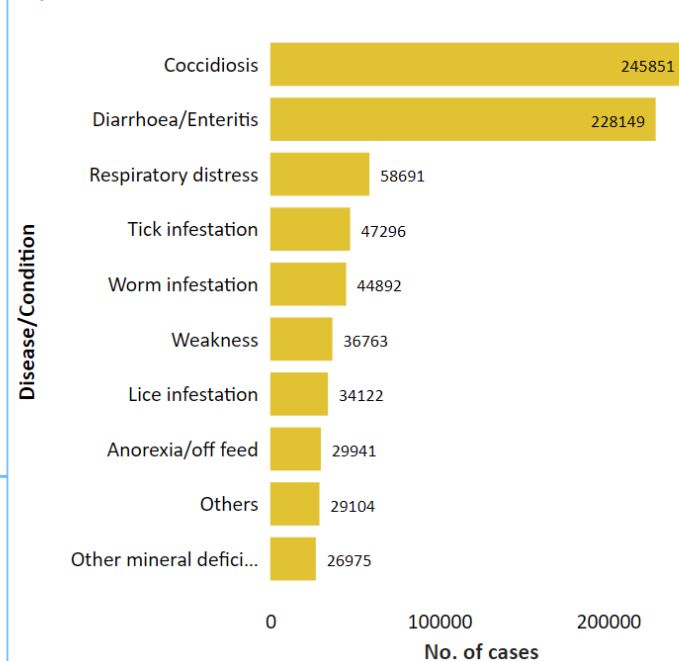
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Chhudzom	3682	17	43	29	10	6	3787
Chhuzanggang	13820	158	0	385	15267	159	29789
Dekiling	5792	320	2	1882	74758	252	83006
Gakiling	2947	19	21	363	23362	135	26847
Gelegphu	13034	541	43	29668	50014	3494	96794
Jigme Chhoeling	11001	682	12	341	29631	551	42218
Samtenling	10599	183	63	2663	43645	406	57559
Senggey	4013	211	0	143	34806	120	39293
Serzhong	13039	72	0	441	13747	585	27884
Shompangkha	10929	881	77	10243	552817	4942	579889
Tareythang	1891	21	0	93	1079	80	3164
Umling	6459	61	0	144	15403	330	22397
Total cases	97206	3166	261	46395	854539	11060	1012627

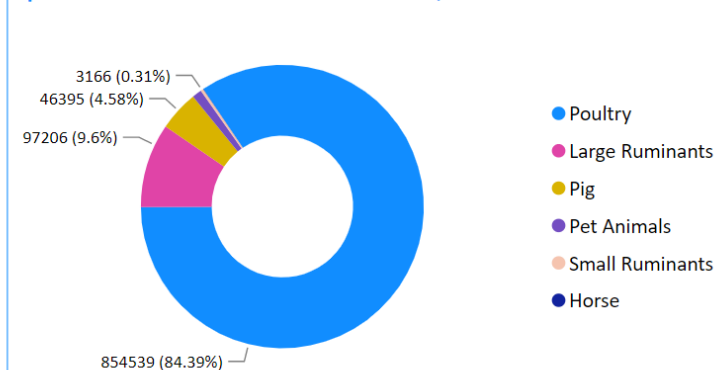
Monthly distribution of clinical cases, 2016-2021



Top 10 clinical conditions recorded, 2016-2021

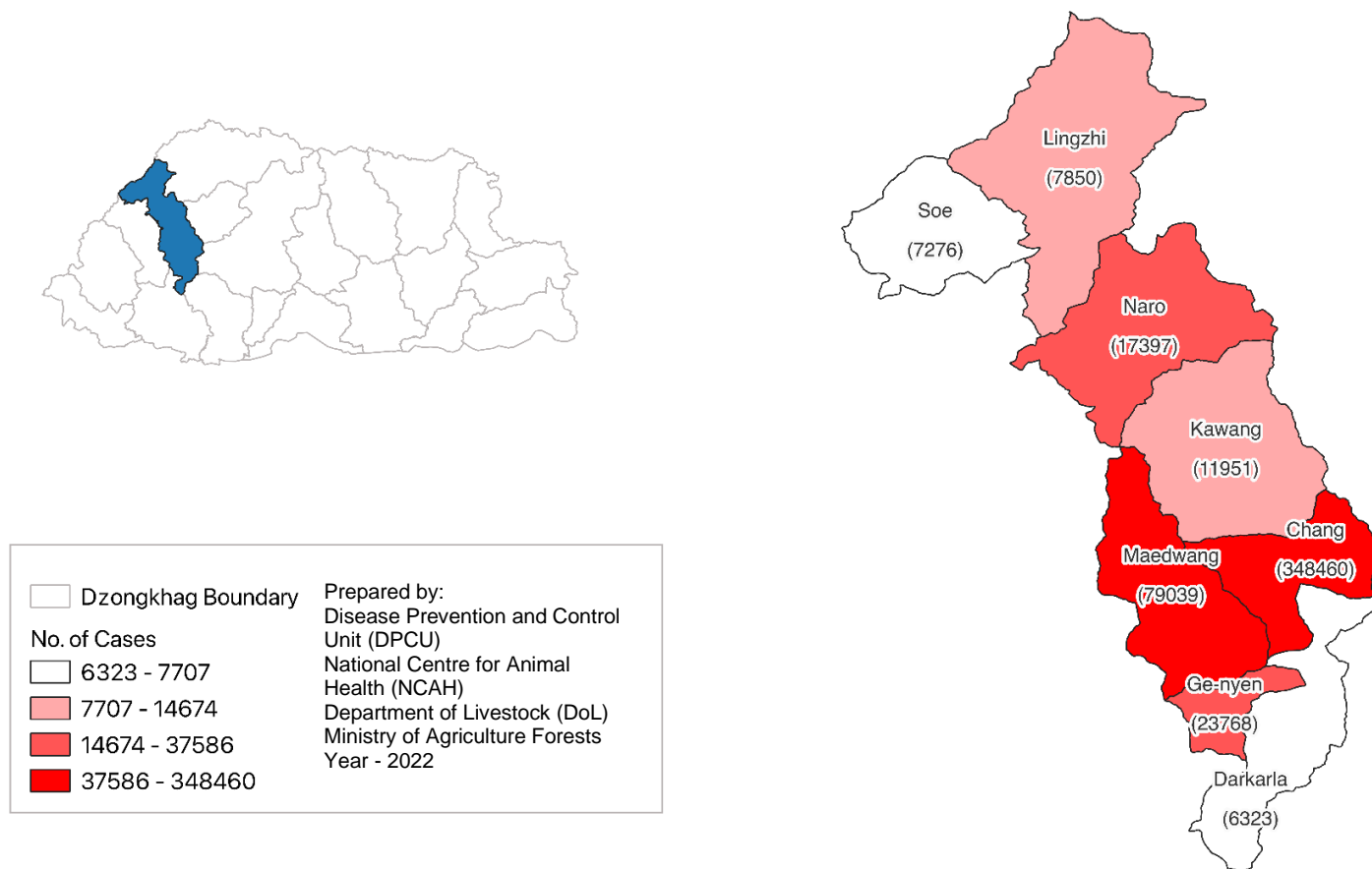


Species-wise distribution of clinical cases, 2016-2021



THIMPHU DZONGKHAG

Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.

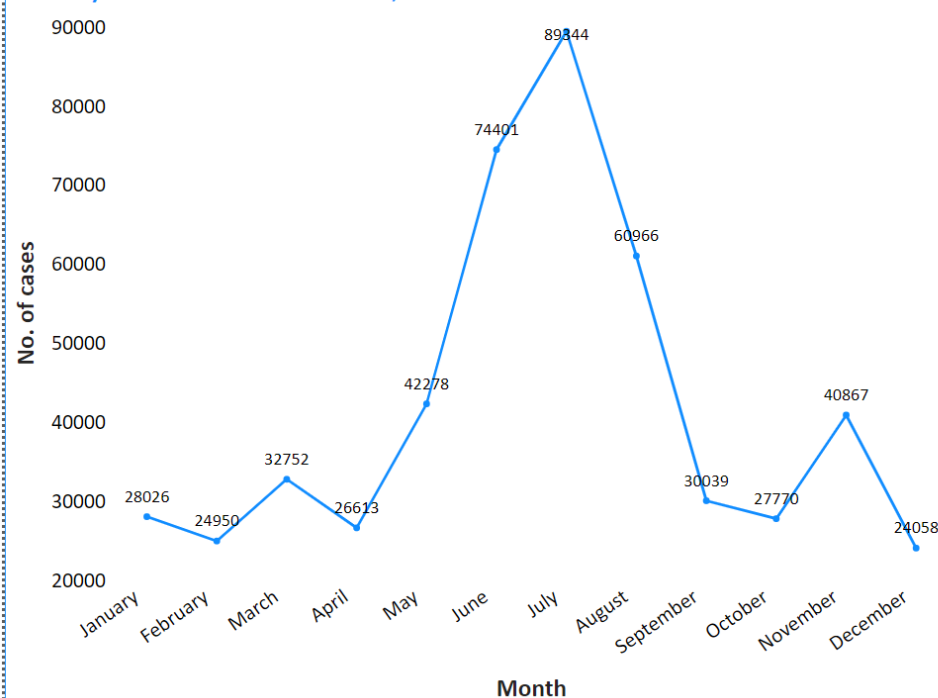


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

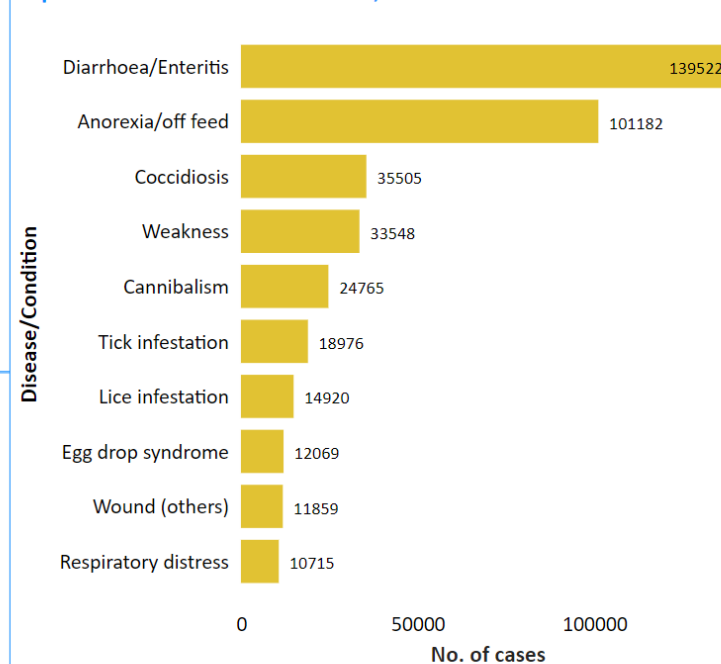
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Chang	16129	33	156	10169	291541	30432	348460
Darkarla	5216	16	582	50	122	337	6323
Ge-nyen	4763	5	100	1265	17308	327	23768
Kawang	5841	4	82	250	5280	494	11951
Lingzhi	5047	0	1762	0	0	1041	7850
Maedwang	13776	9	104	1555	58603	4992	79039
Naro	13584	0	3213	0	0	600	17397
Soe	6307	0	711	0	2	256	7276
Total cases	70663	67	6710	13289	372856	38479	502064

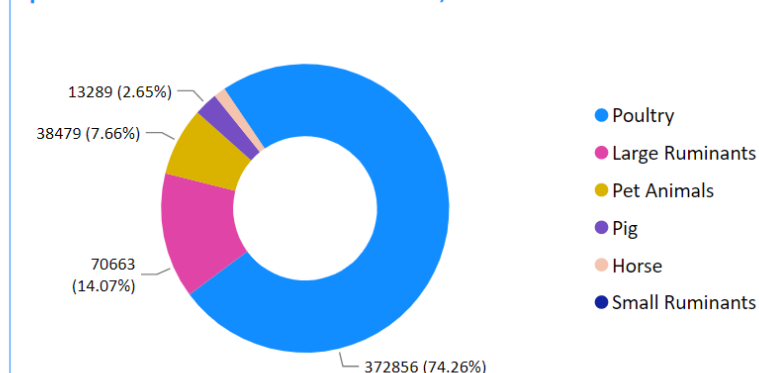
Monthly distribution of clinical cases, 2016-2021



Top 10 clinical conditions recorded, 2016-2021

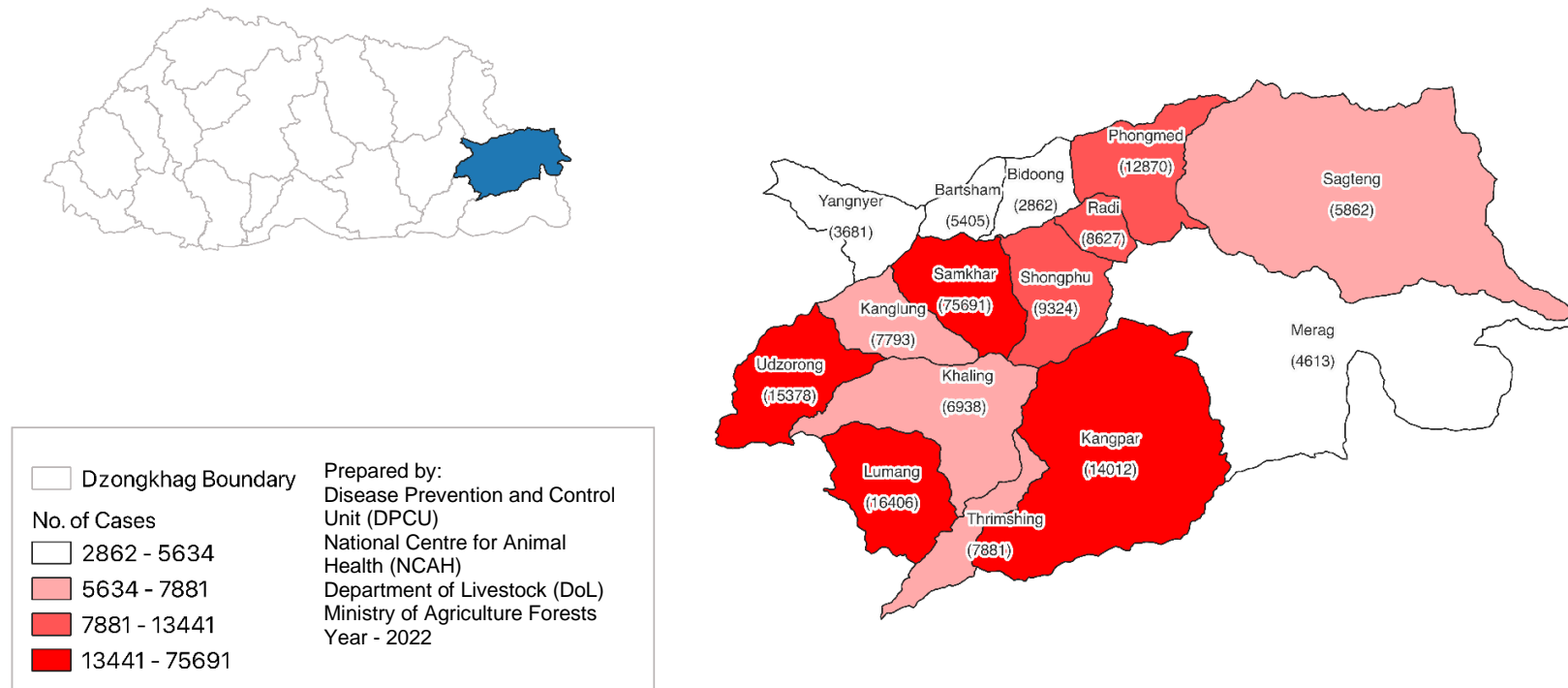


Species-wise distribution of clinical cases, 2016-2021



TRASHIGANG DZONGKHAG

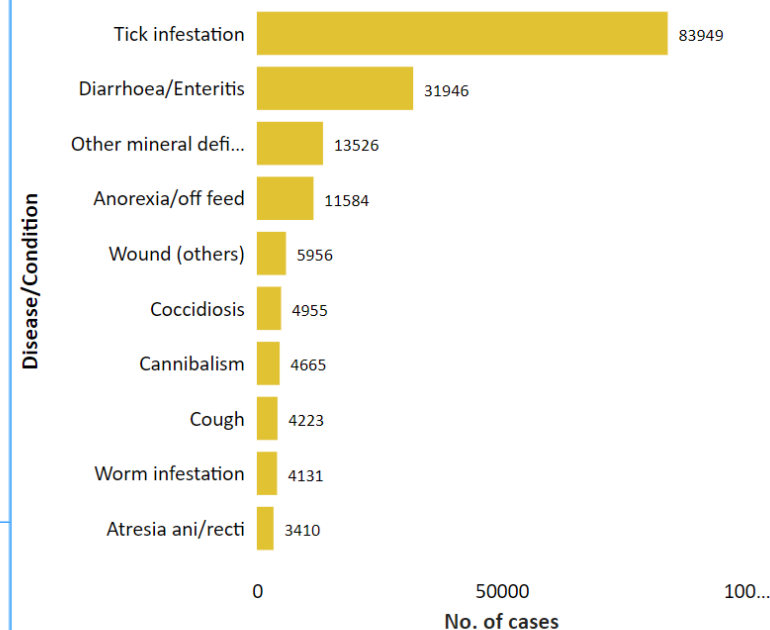
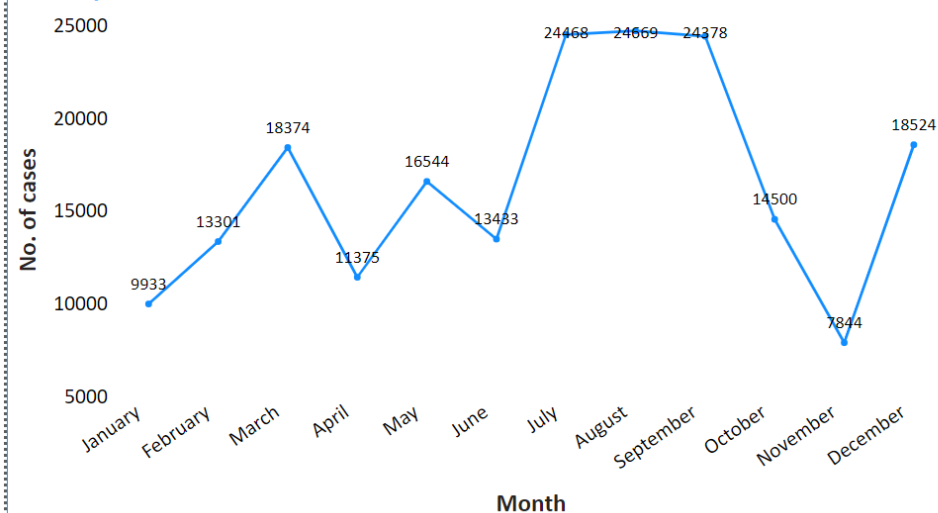
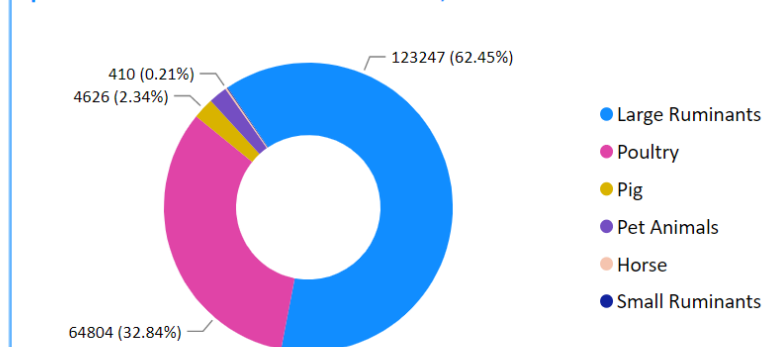
Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.



**Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag,
July 2016 – December 2021.**

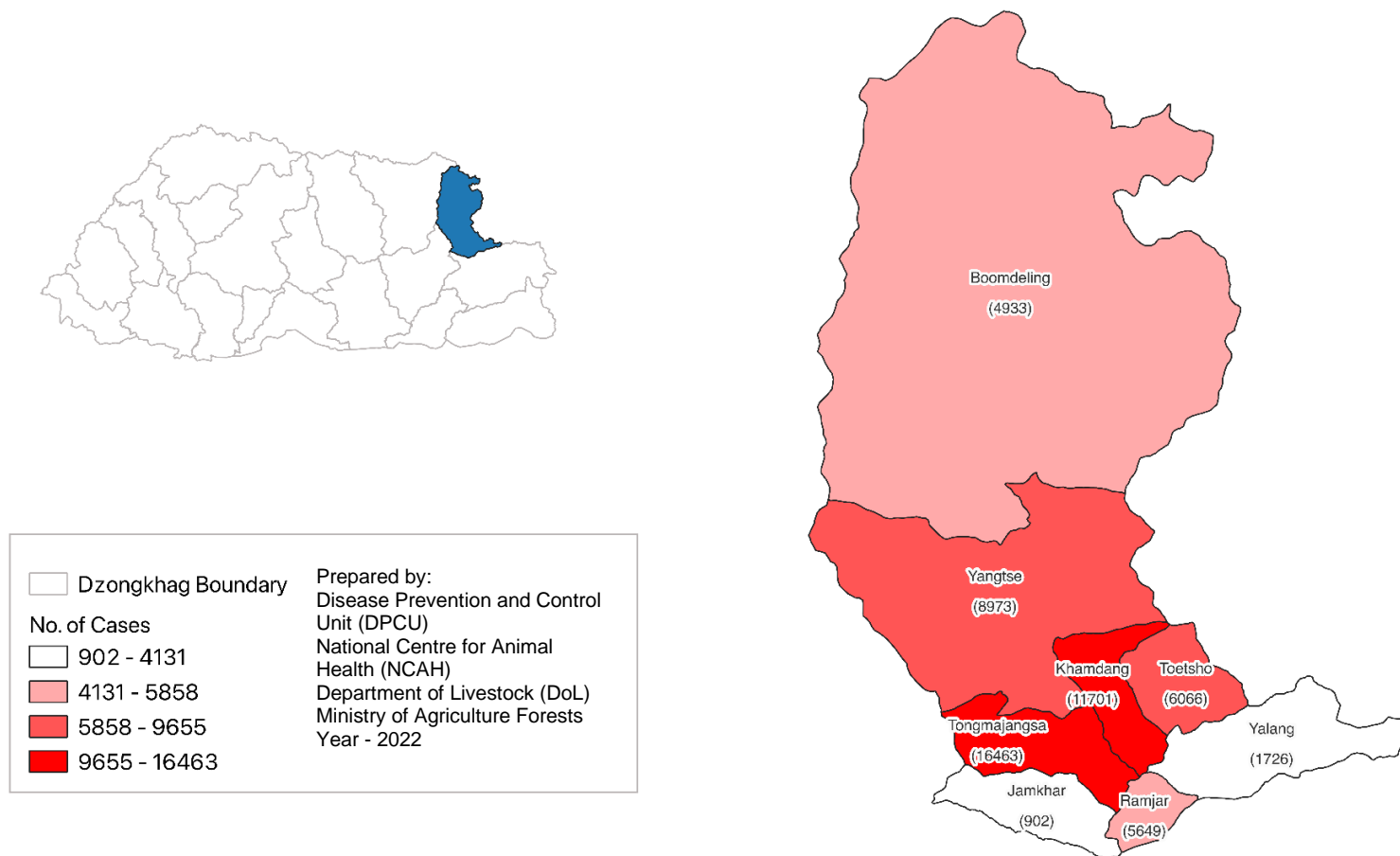
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Bartsham	5192	0	5	0	10	198	5405
Bidoong	2681	1	3	0	140	37	2862
Kanglung	5702	5	2	145	1203	736	7793
Kangpar	13201	2	76	25	598	110	14012
Khaling	6246	1	0	0	600	91	6938
Lumang	5453	0	12	58	10772	111	16406
Merag	4492	46	27	0	0	48	4613
Phongmed	6521	0	0	4	6336	9	12870
Radi	8289	0	8	0	43	287	8627
Sagteng	5459	109	82	14	13	185	5862
Samkhar	28559	6	84	4042	41519	1481	75691
Shongphu	6530	0	92	152	1993	557	9324
Thrimshing	7776	0	2	17	25	61	7881
Udzorong	13582	0	14	153	1492	137	15378
Yangnyer	3564	0	3	16	60	38	3681
Total cases	123247	170	410	4626	64804	4086	197343

Top 10 clinical conditions recorded, 2016-2021

Monthly distribution of clinical cases, 2016-2021

Species-wise distribution of clinical cases, 2016-2021


TRASHI YANGTSE DZONGKHAG

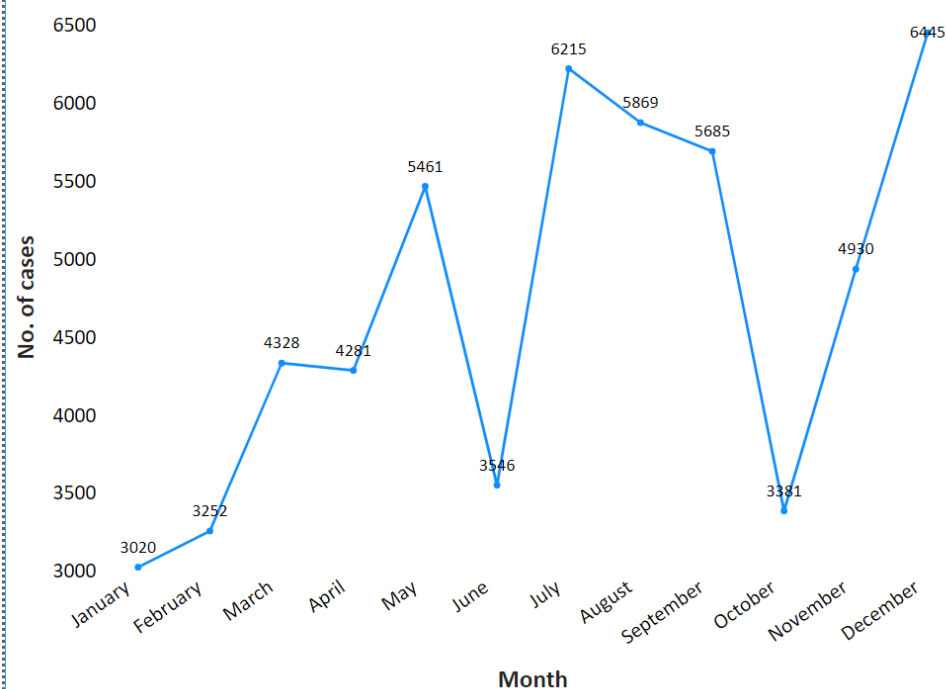
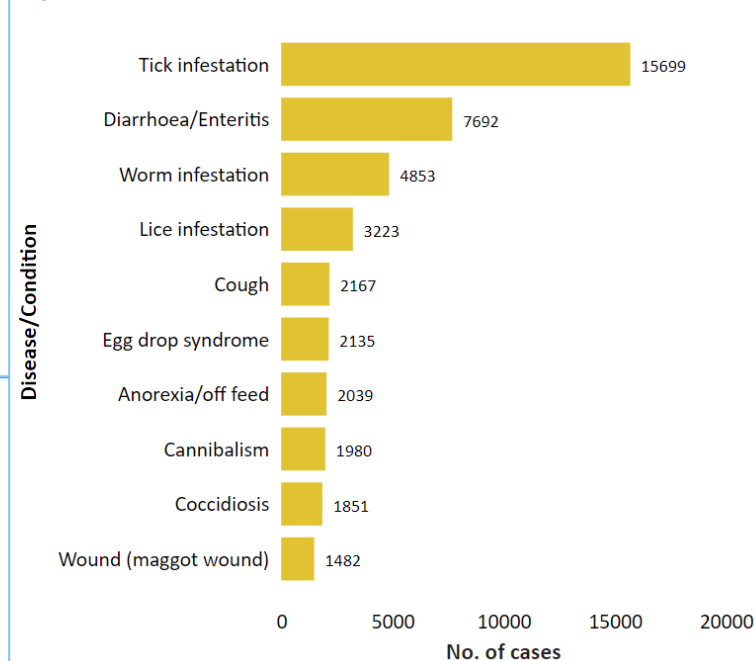
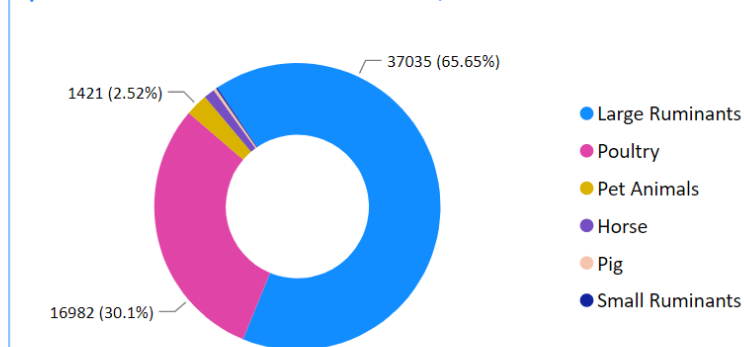
Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.



**Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag,
July 2016 – December 2021.**

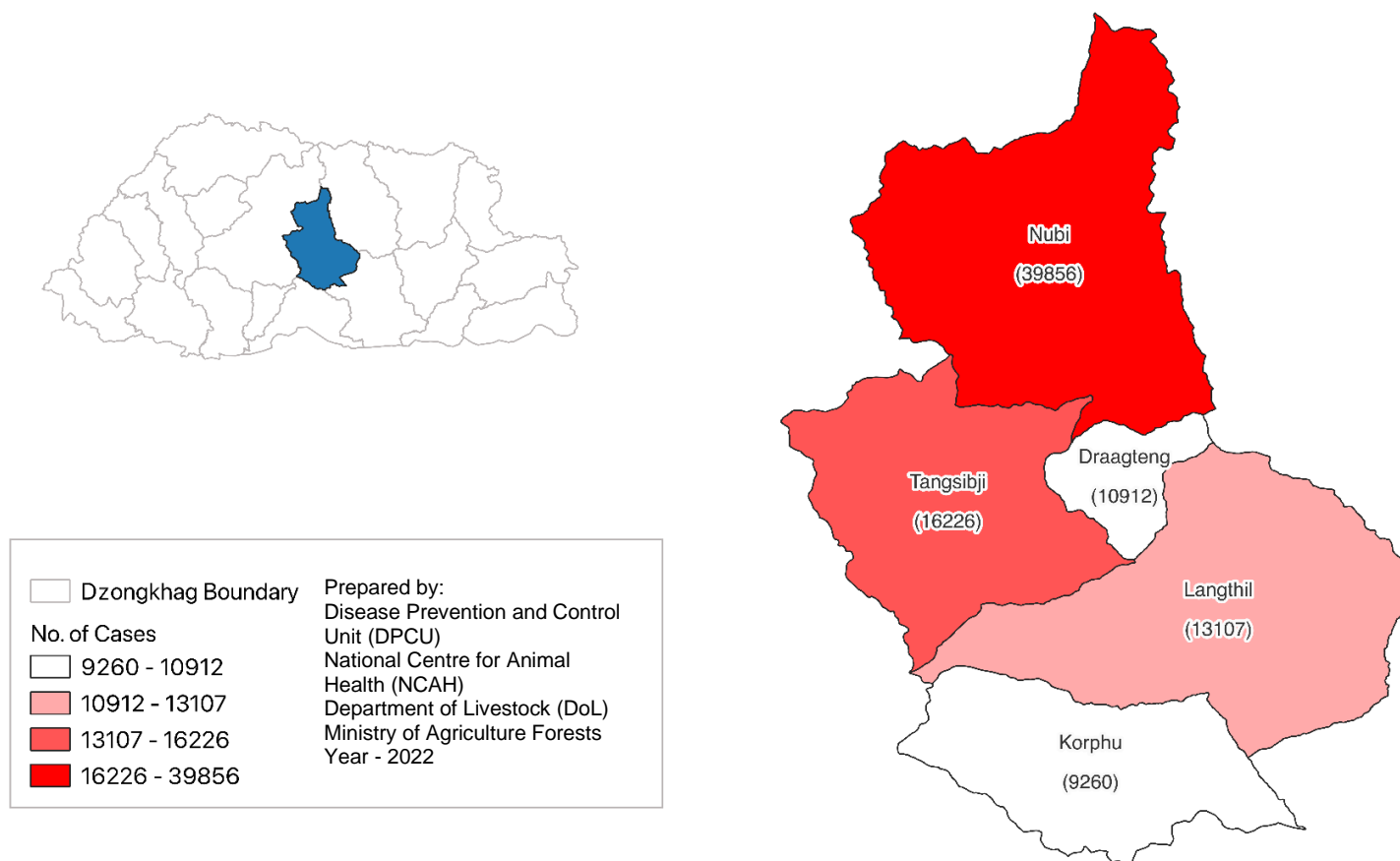
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Boomdeling	4825	0	9	5	33	61	4933
Jamkhar	878	0	0	0	24	0	902
Khamdang	9458	0	4	0	2205	34	11701
Ramjar	4117	0	1	105	1348	78	5649
Toetsho	4448	84	463	66	495	510	6066
Tongmajangsa	7221	8	63	0	9134	37	16463
Yalang	1523	0	154	2	12	35	1726
Yangtse	4565	0	9	2	3731	666	8973
Total cases	37035	92	703	180	16982	1421	56413

Monthly distribution of clinical cases, 2016-2021

Top 10 clinical conditions recorded, 2016-2021

Species-wise distribution of clinical cases, 2016-2021


TRONGSA DZONGKHAG

Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.

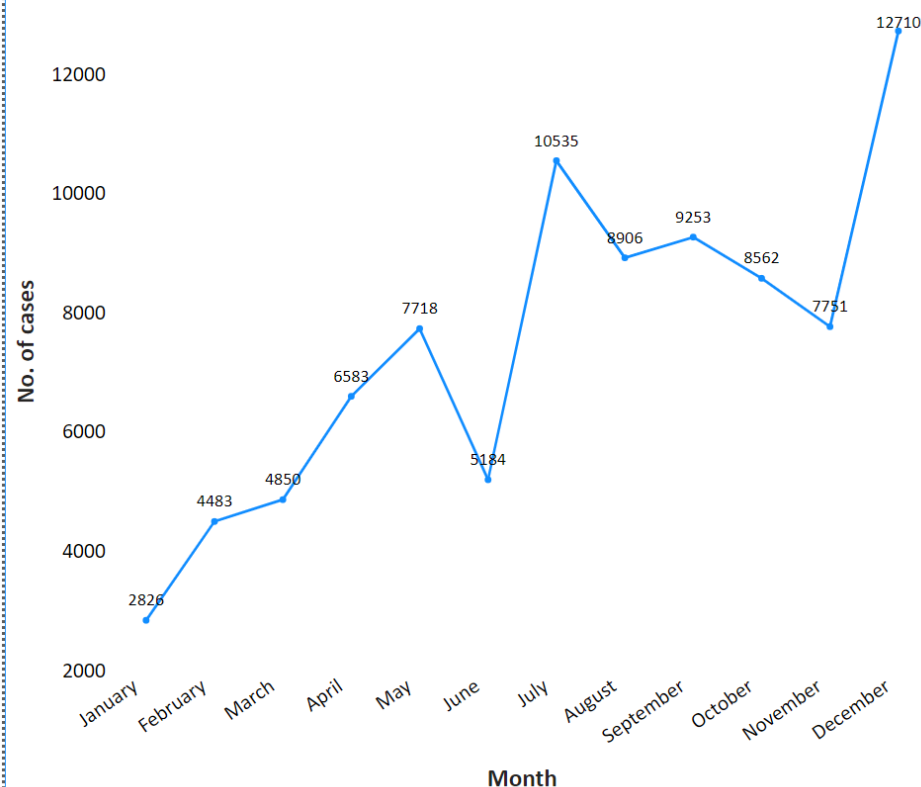


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

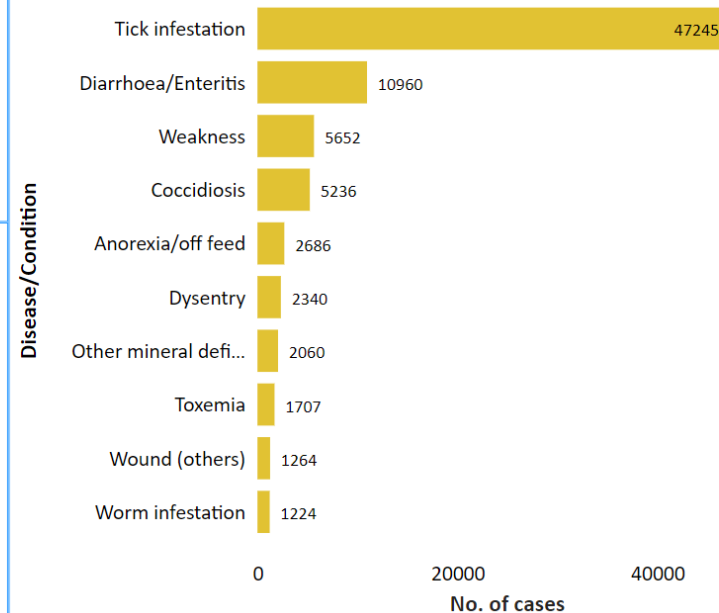
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Draagteng	8153	15	1	13	1912	818	10912
Korphu	4035	0	127	0	4984	114	9260
Langthil	12717	0	25	0	180	185	13107
Nubi	22342	12	7	2	15468	2025	39856
Tangsibji	9319	1	2	1	6650	253	16226
Total cases	56566	28	162	16	29194	3395	89361

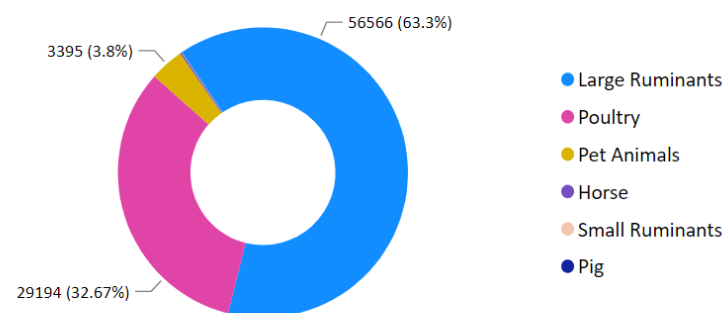
Monthly distribution of clinical cases, 2016-2021



Top 10 clinical conditions recorded, 2016-2021

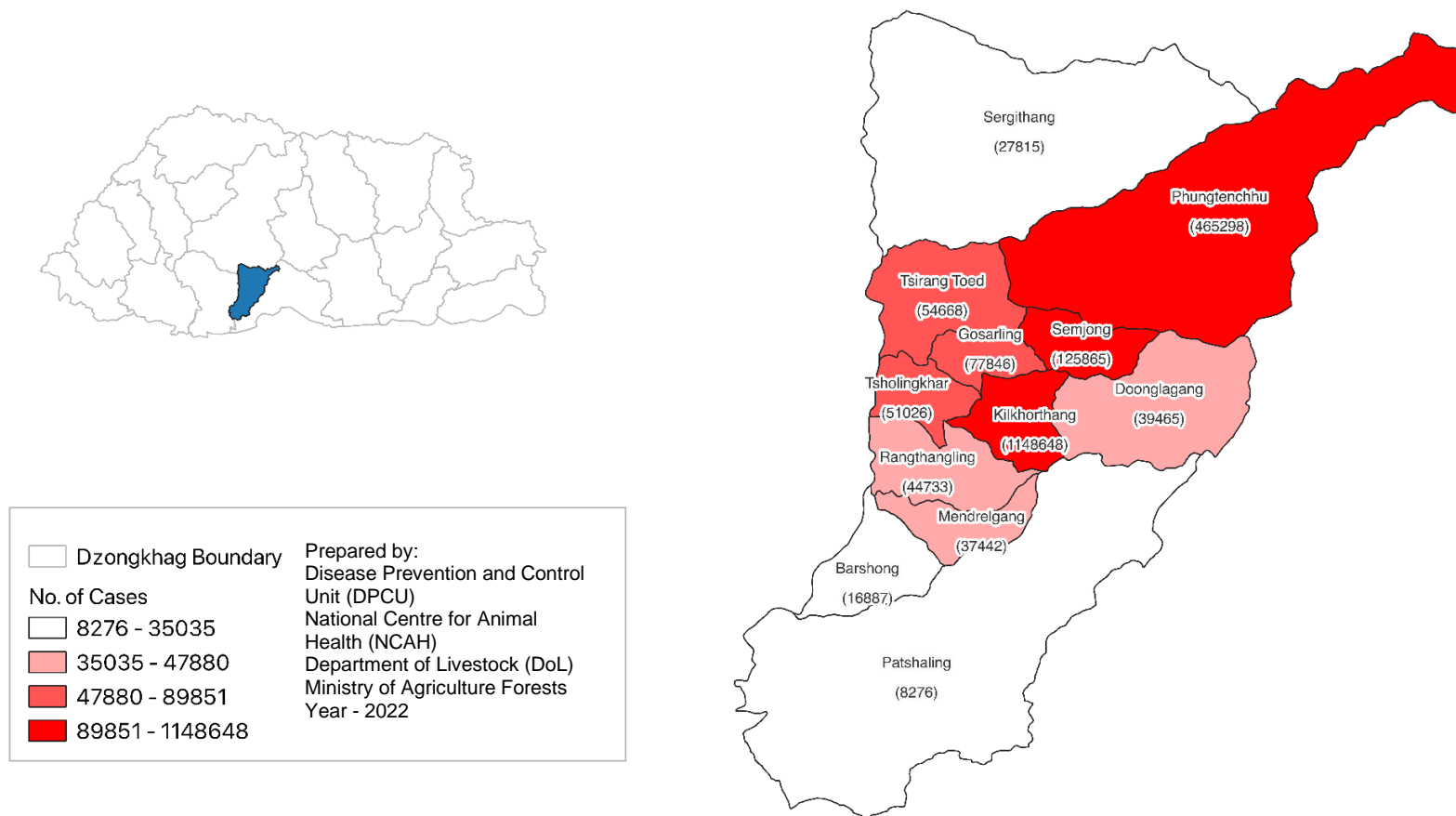


Species-wise distribution of clinical cases, 2016-2021



TSIRANG DZONGKHAG

Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.

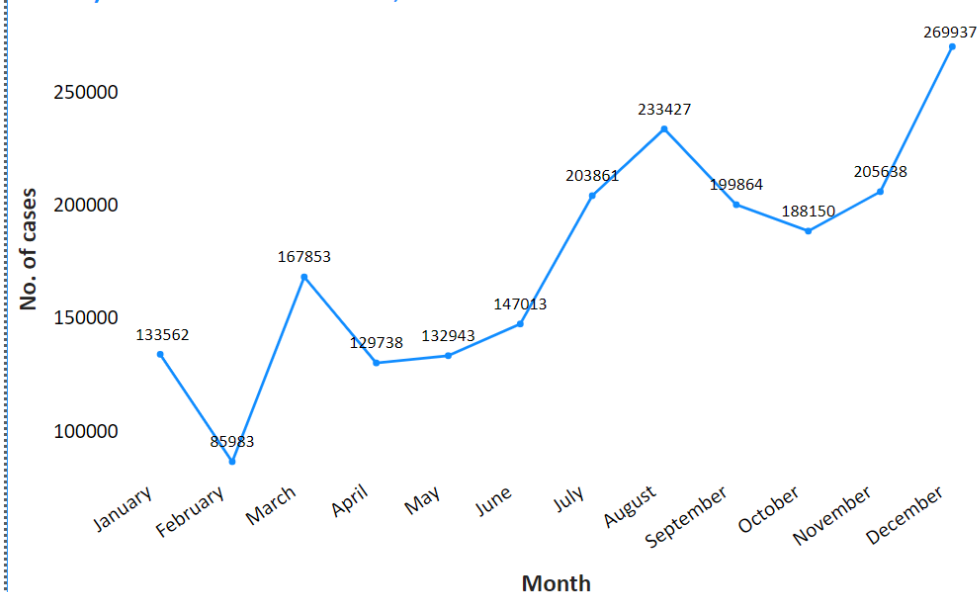


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

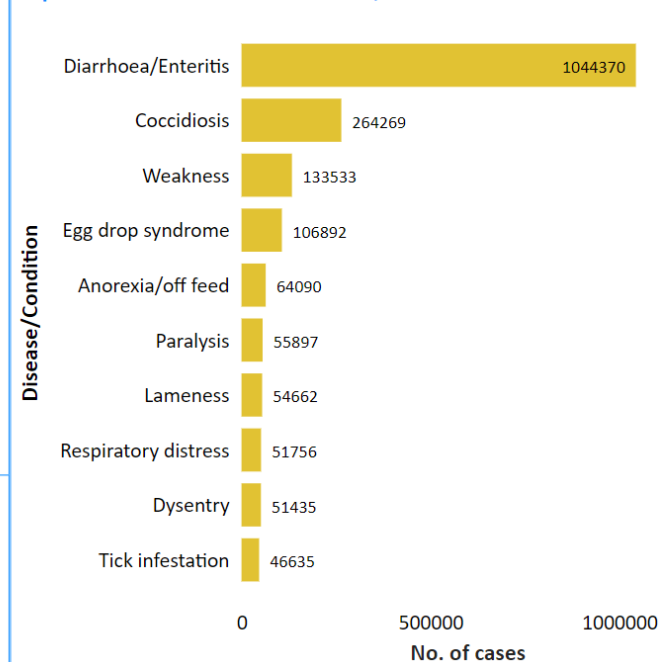
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Barshong	6662	3827	2	900	5439	57	16887
Doonglagang	1923	220	1	287	36925	109	39465
Gosarling	3456	317	4	7556	66427	86	77846
Kilkhorthang	22077	1508	2	9067	1112817	3177	1148648
Mendrelgang	7645	229	0	1538	27066	964	37442
Patshaling	2759	101	0	167	5222	27	8276
Phungtenchhu	8373	3451	5	883	452065	521	465298
Rangthangling	4814	507	0	1743	37589	80	44733
Semjong	6963	1155	14	2180	115415	138	125865
Sergithang	5430	377	7	842	21066	93	27815
Tsholingkhar	7013	312	13	1367	41988	333	51026
Tsirang Toed	5677	1245	2	1151	46093	500	54668
Total cases	82792	13249	50	27681	1968112	6085	2097969

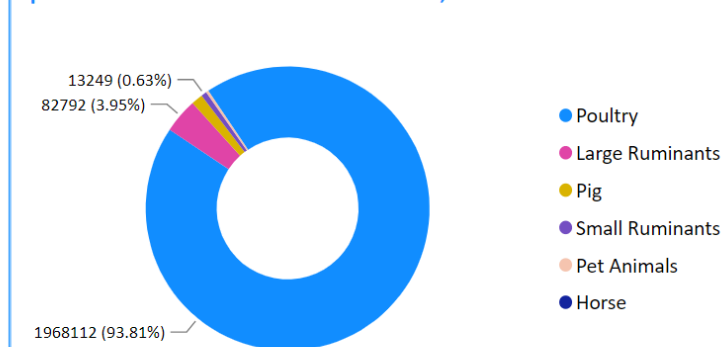
Monthly distribution of clinical cases, 2016-2021



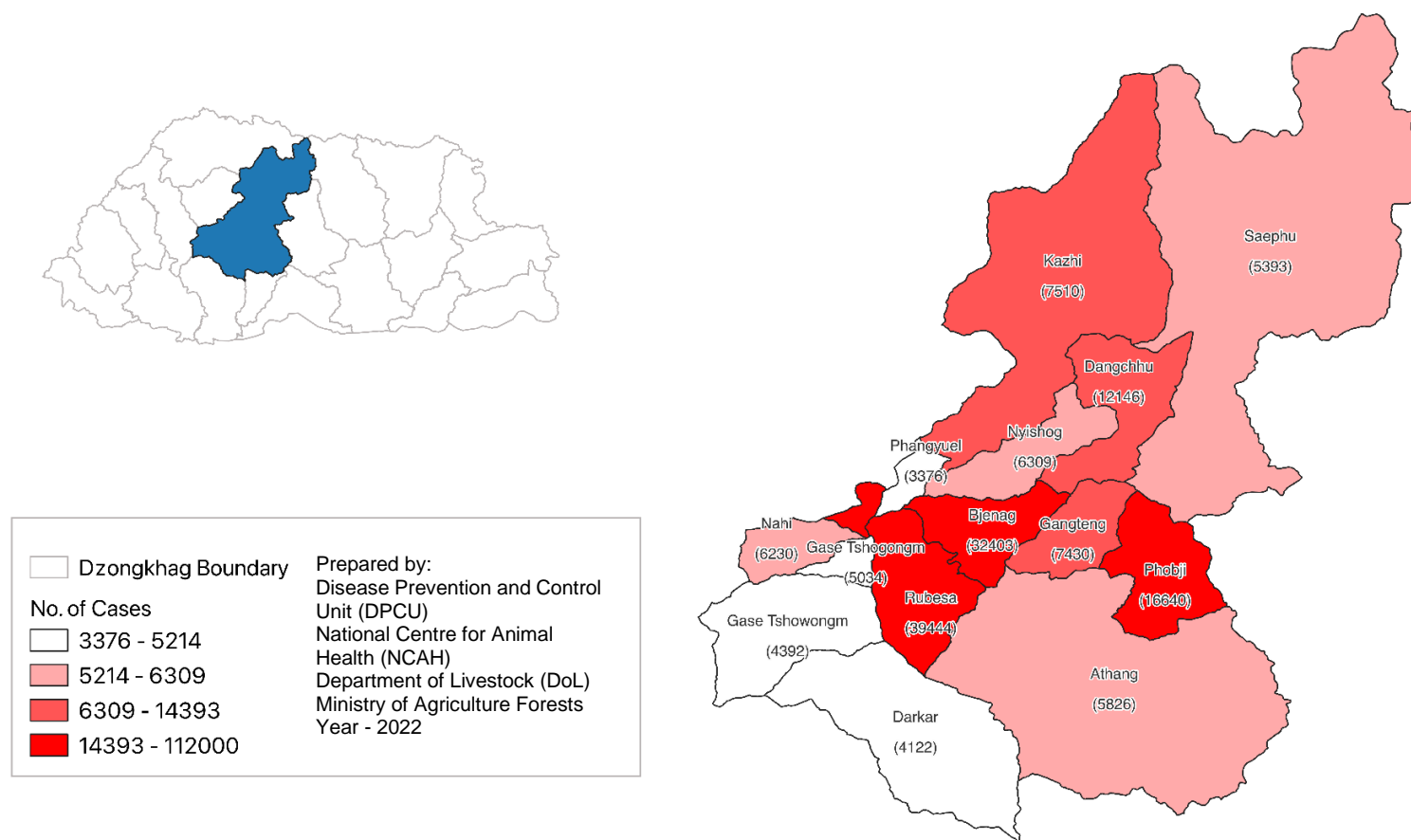
Top 10 clinical conditions recorded, 2016-2021



Species-wise distribution of clinical cases, 2016-2021



**Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.**

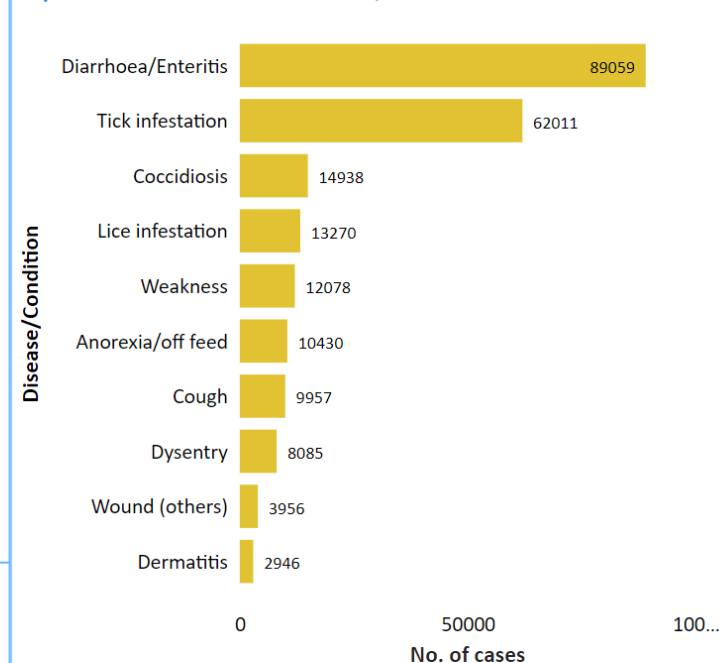


**Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag,
July 2016 – December 2021.**

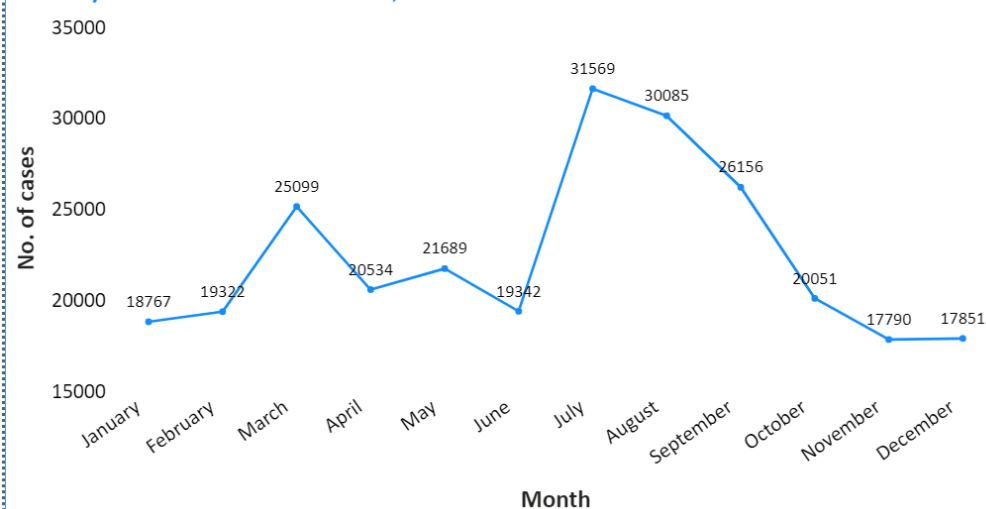
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Thedtsho	14727	2226	481	2883	86474	5209	112000
Dangchhu	10798	2	73	52	1089	132	12146
Saephu	5165	0	68	0	104	56	5393
Kazhi	6805	16	34	2	362	291	7510
Nyishog	5447	0	20	28	655	159	6309
Bjenag	30783	0	17	0	1039	564	32403
Phangyuel	2931	0	16	0	309	120	3376
Gangteng	7276	110	15	4	0	25	7430
Phobji	14535	1879	10	18	194	4	16640
Darkar	1304	0	9	810	1845	154	4122
Nahi	3419	8	9	47	2103	644	6230
Athang	5479	27	8	115	159	38	5826
Gase Tshogongm	2202	3	7	44	2727	51	5034
Gase Tshowongm	1158	0	1	9	3194	30	4392
Rubesa	25461	44	0	4	13165	770	39444
Total cases	137490	4315	768	4016	113419	8247	268255

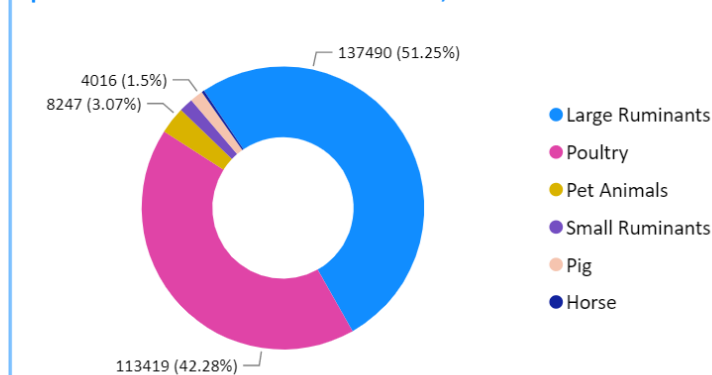
Top 10 clinical conditions recorded, 2016-2021



Monthly distribution of clinical cases, 2016-2021

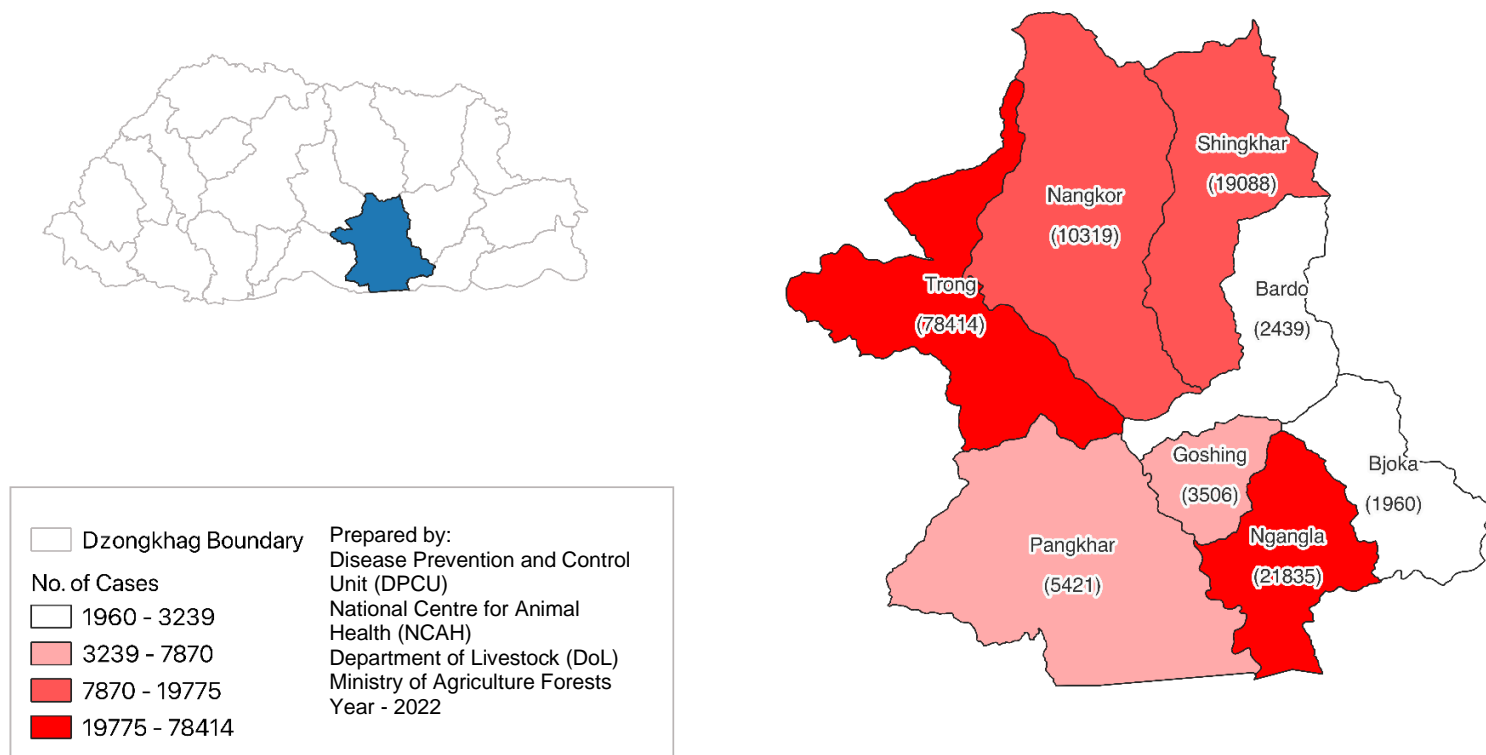


Species-wise distribution of clinical cases, 2016-2021



ZHEMGANG DZONGKHAG

Spatial (gewog-wise) distribution of veterinary clinical cases recorded in the dzongkhag,
July 2016 – December 2021.

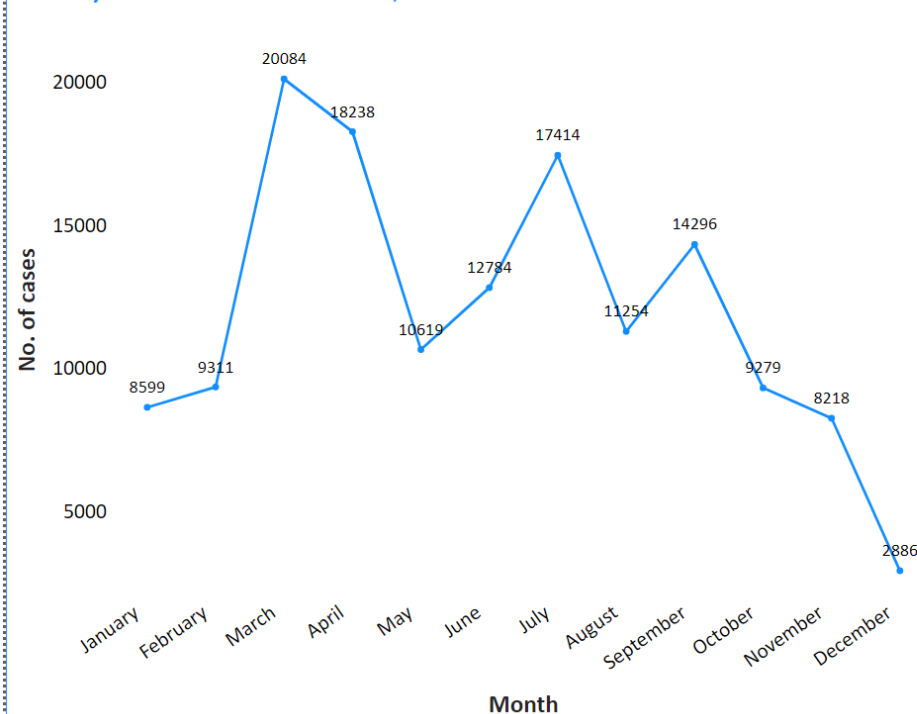


Gewog, month and species-specific distribution and the commonly recorded veterinary clinical cases in the dzongkhag, July 2016 – December 2021.

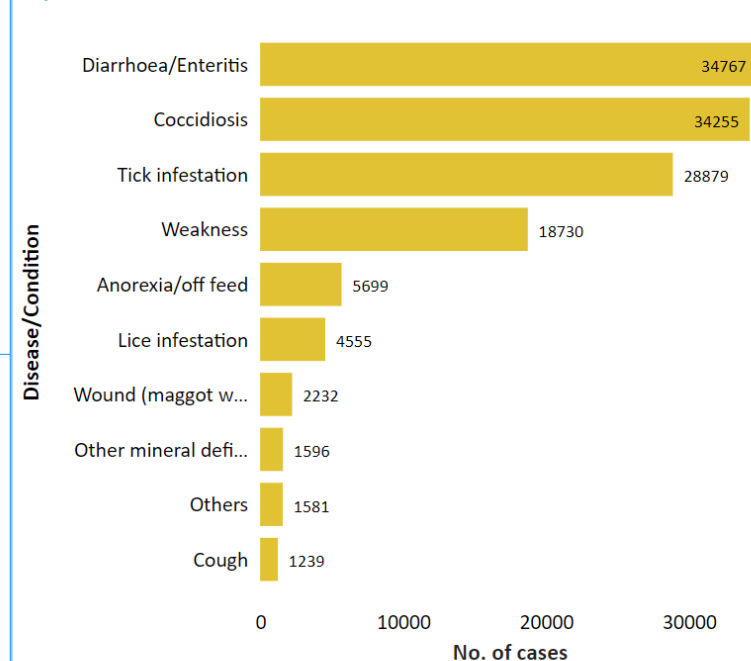
Gewog-wise distribution of species-specific clinical cases, 2016-2021

Gewog	Large Ruminants	Small Ruminants	Horse	Pig	Poultry	Pet Animals	Total cases
Bardo	1817	0	57	35	433	97	2439
Bjoka	1494	0	117	57	280	12	1960
Goshing	2897	0	36	248	294	31	3506
Nangkor	4920	0	14	19	5244	122	10319
Ngangla	3201	18	32	1564	16900	120	21835
Pangkhar	3940	1	190	155	1104	31	5421
Shingkhar	15738	0	234	0	3082	34	19088
Trong	17339	110	16	297	59693	959	78414
Total cases	51346	129	696	2375	87030	1406	142982

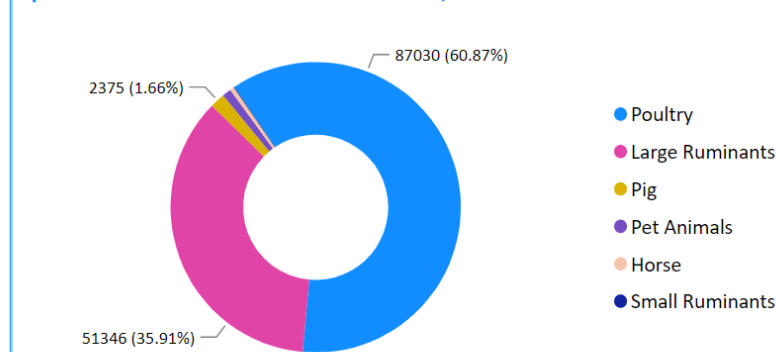
Monthly distribution of clinical cases, 2016-2021



Top 10 clinical conditions recorded, 2016-2021



Species-wise distribution of clinical cases, 2016-2021





རྒྱལ་ཡོངས་སྤྱི་ནོར་གསོ་བའི་ལྗེ་བ།
ROYAL GOVERNMENT OF BHUTAN
Ministry of Agriculture and Forests
Department of Livestock
National Centre for Animal Health



NATIONAL VETERINARY DRUG FORMULARY



2016
THIRD EDITION

Compiled by

Drugs Vaccine & Equipment Unit
National Centre for Animal Health
Serbithang, Thimphu

ROYAL GOVERNMENT OF BHUTAN
Ministry of Agriculture and Forests
Department of Livestock

NATIONAL ANIMAL HOSPITAL
THIMPHU: BHUTAN

Standard Treatment Guide



རྒྱལ་ཡོངས་སྤྱི་ནོར་གསོ་བའི་ལྗེ་བ།
ROYAL GOVERNMENT OF BHUTAN
Ministry of Agriculture and Forests
Department of Livestock



Antibiotic Guidelines for Livestock in Bhutan

Towards preserving the efficacy of antibiotics

NATIONAL CENTRE FOR ANIMAL HEALTH
P. B. No. 155
Thimphu, Bhutan
Phone: +975-351095

Guiding documents for
veterinary clinical services
in Bhutan