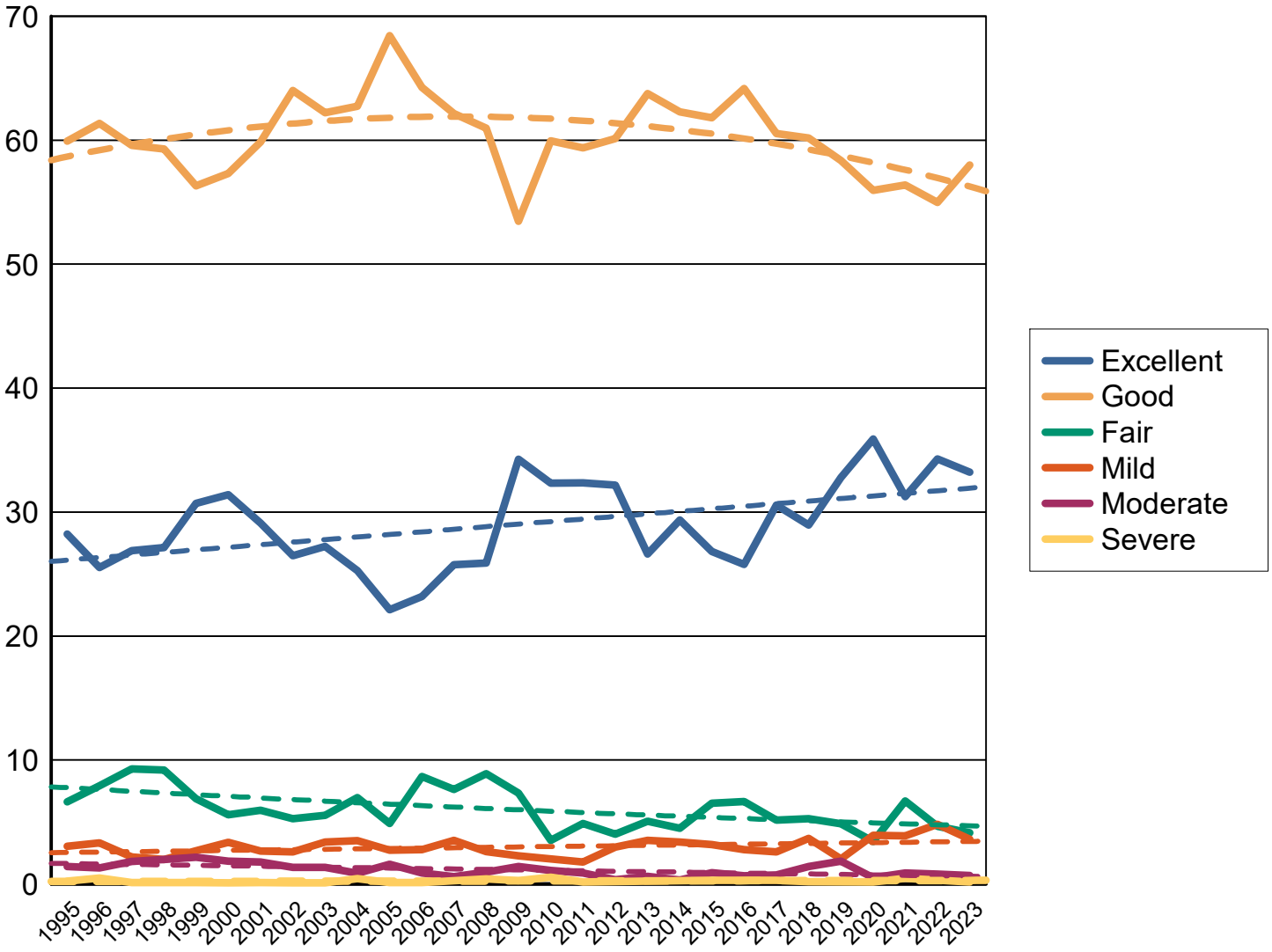
Shetland Sheepdog

All data as of 12-31-2023

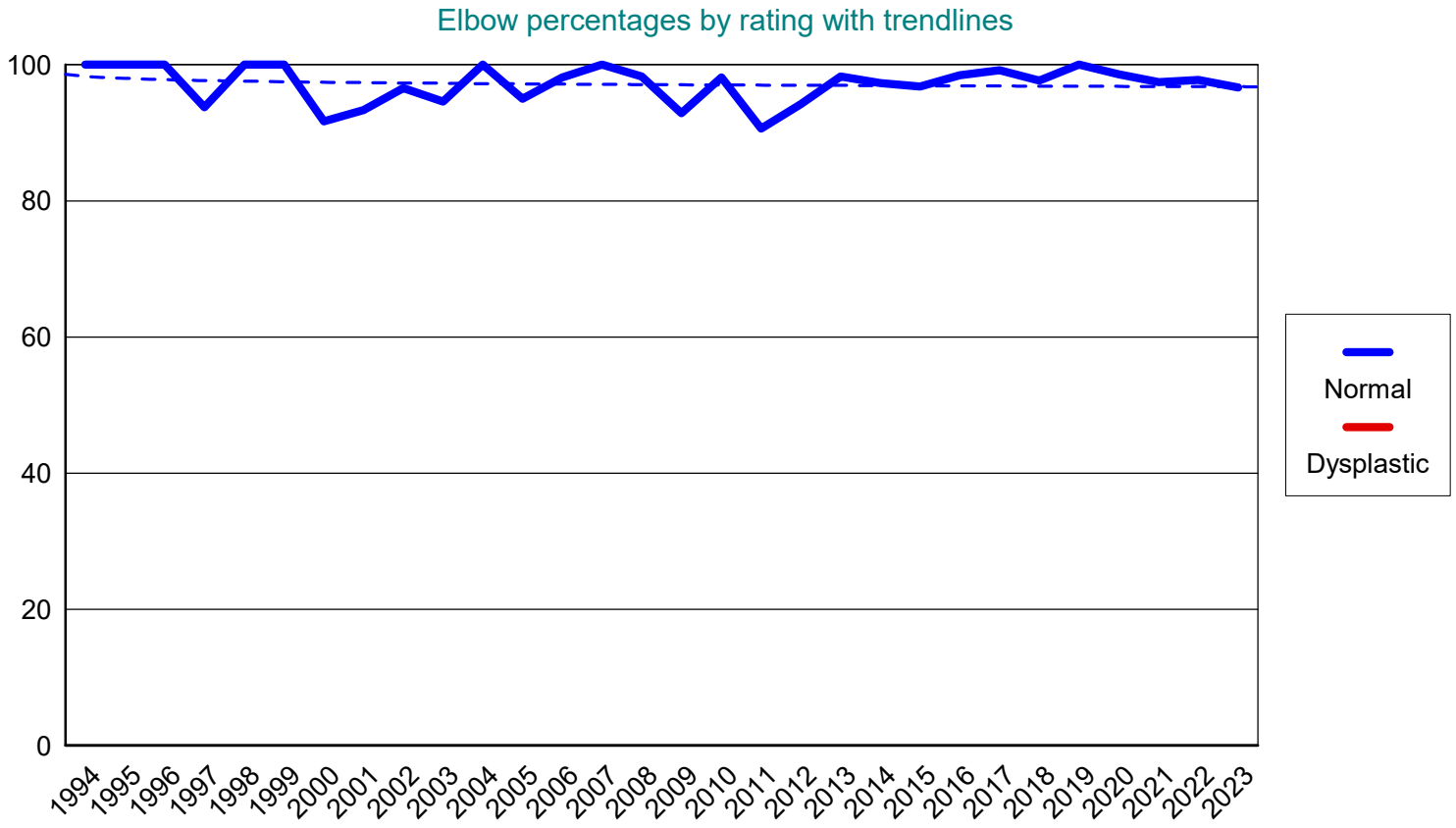
	Dysplastic rank, all breeds with more than 100 cases	*Normals*		*Equivocal or Carrier*		*Abnormal*		
Hips	166 of 198	25256	95.19%	75	0.28%	1202	4.53%	CHIC required
Elbow	112 of 149	2120	97.38%	7	0.32%	50	2.30%	
Congenital Cardiac		330	100.00%	0		0		
Thyroid		1750	79.11%	197	8.91%	265	11.98%	
Spine		1	0.85%	0		117	99.15%	
Agouti		2	100.00%	0		0		
Shoulder		76	100.00%	0		0		
Baer Hearing Test		11	100.00%	0		0		
Von Willebrands		2285	99.39%	13	0.57%	1	0.04%	
Congenital Hypothroidism W/ Goiter		2	100.00%	0		0		
Degenerative Myelopathy		879	88.43%	106	10.66%	9	0.91%	
Rcd4 Progressive Retinal Atrophy		1	100.00%	0		0		
OFA EYE Registry		4213	99.04%	0		41	0.96%	CHIC required
Collie Eye Anomaly		1085	93.45%	70	6.03%	6	0.52%	
Legg-Calve-Perthes		3808	100.00%	0		0		
K Locus Database		2	100.00%	0		0		
Mizzou Biomarker Study		9	75.00%	0		3	25.00%	
Chondrodystrophy (Cddy)		1	100.00%	0		0		
Dermatomyositis		1592	100.00%	0		0		
Canine Multifocal Retinopathy		2	100.00%	0		0		
Piebald/White Spotting		2	50.00%	2	50.00%	0		
D Locus		2	100.00%	0		0		
Chondrodysplasia (Cdpa)		1	100.00%	0		0		
Patella		555	98.93%	0		6	1.07%	
Multiple Drug Resistance (Mdr1)		1668	92.46%	132	7.32%	4	0.22%	
Progressive Retinal Atrophy Bbs2 V		129	96.27%	5	3.73%	0		

Craniomandibular Osteopathy	**2**	**100.00%**	**0**		**0**	
Mcr1 (Elocus)	**1**	**100.00%**	**0**		**0**	
Paroxysmal Dyskinesia	**1**	**100.00%**	**0**		**0**	
Dentition	**689**	**78.65%**	**0**		**187**	**21.35%**
Brown (Tyrp 1)	**1**	**100.00%**	**0**		**0**	
Maxillary Canine-Tooth Mesioversio	**20**	**58.82%**	**14**	**41.18%**	**0**	
Exercise Induced Collapse	**1**	**100.00%**	**0**		**0**	
Advanced Cardiac	**52**	**100.00%**	**0**		**0**	
Gr1 Progressive Retinal Atrophy	**3**	**100.00%**	**0**		**0**	
Primary Lens Luxation	**2**	**100.00%**	**0**		**0**	
Hyperuricosuria	**1**	**100.00%**	**0**		**0**	
Pra-Crd4/Cord1	**1**	**100.00%**	**0**		**0**	
Progressive Retinal Atrophy	**906**	**99.89%**	**1**	**0.11%**	**0**	
Basic Cardiac	**105**	**100.00%**	**0**		**0**	
Merle	**12**	**37.50%**	**20**	**62.50%**	**0**	

Hip percentages by rating with trendlines

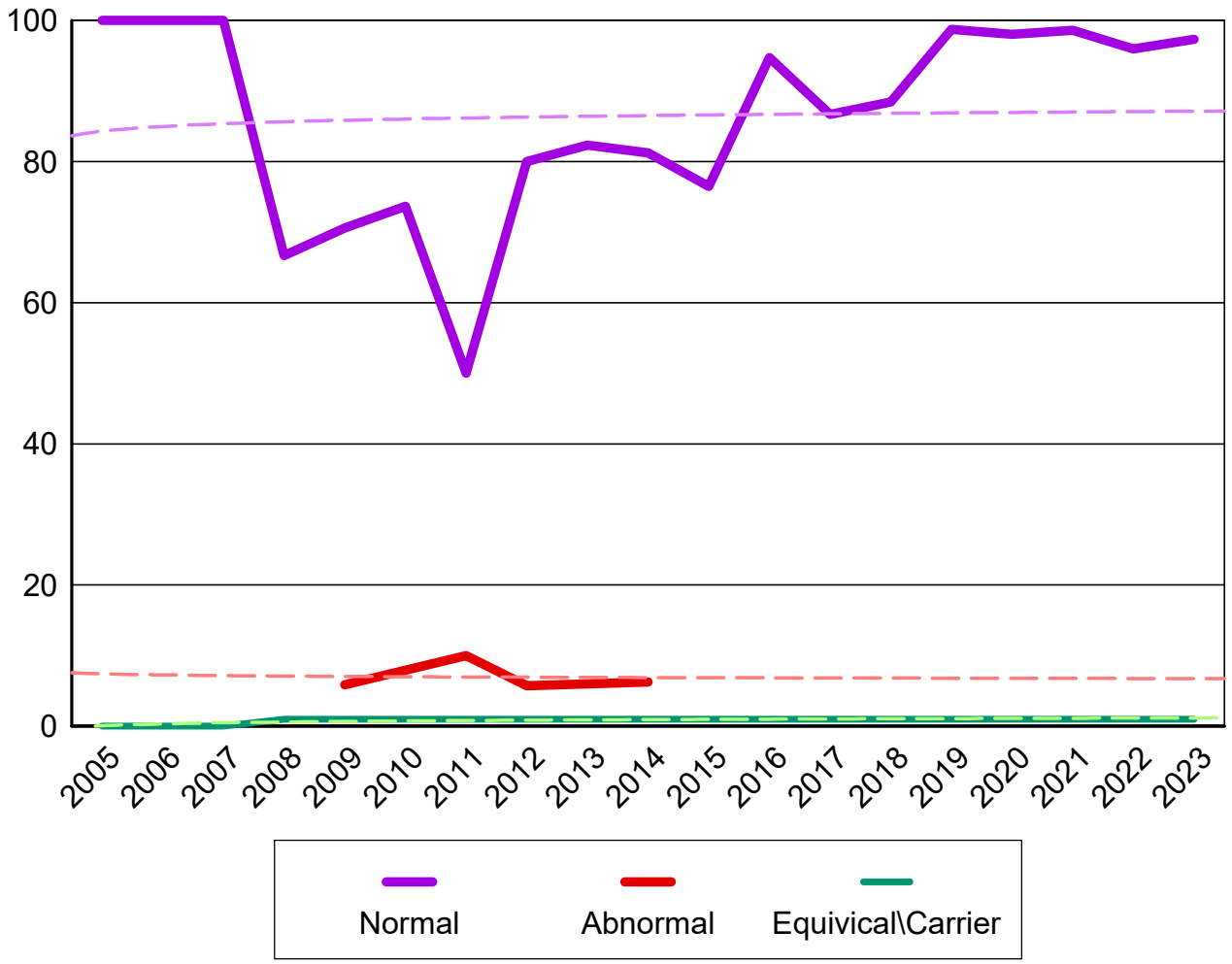


SHETLAND SHEEPDOG



SHETLAND SHEEPDOG

COLLIE EYE ANOMALY



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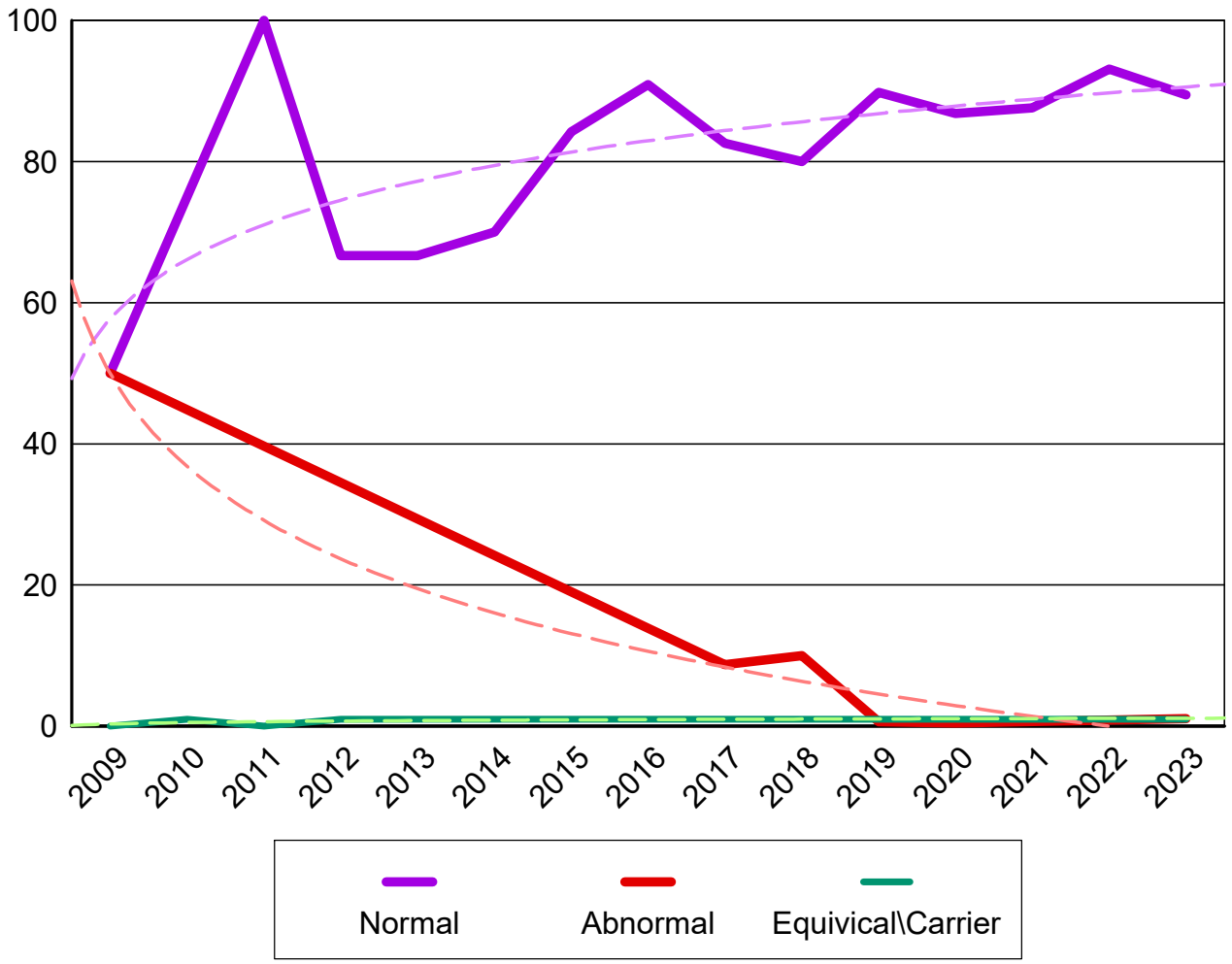
SHETLAND SHEEPDOG

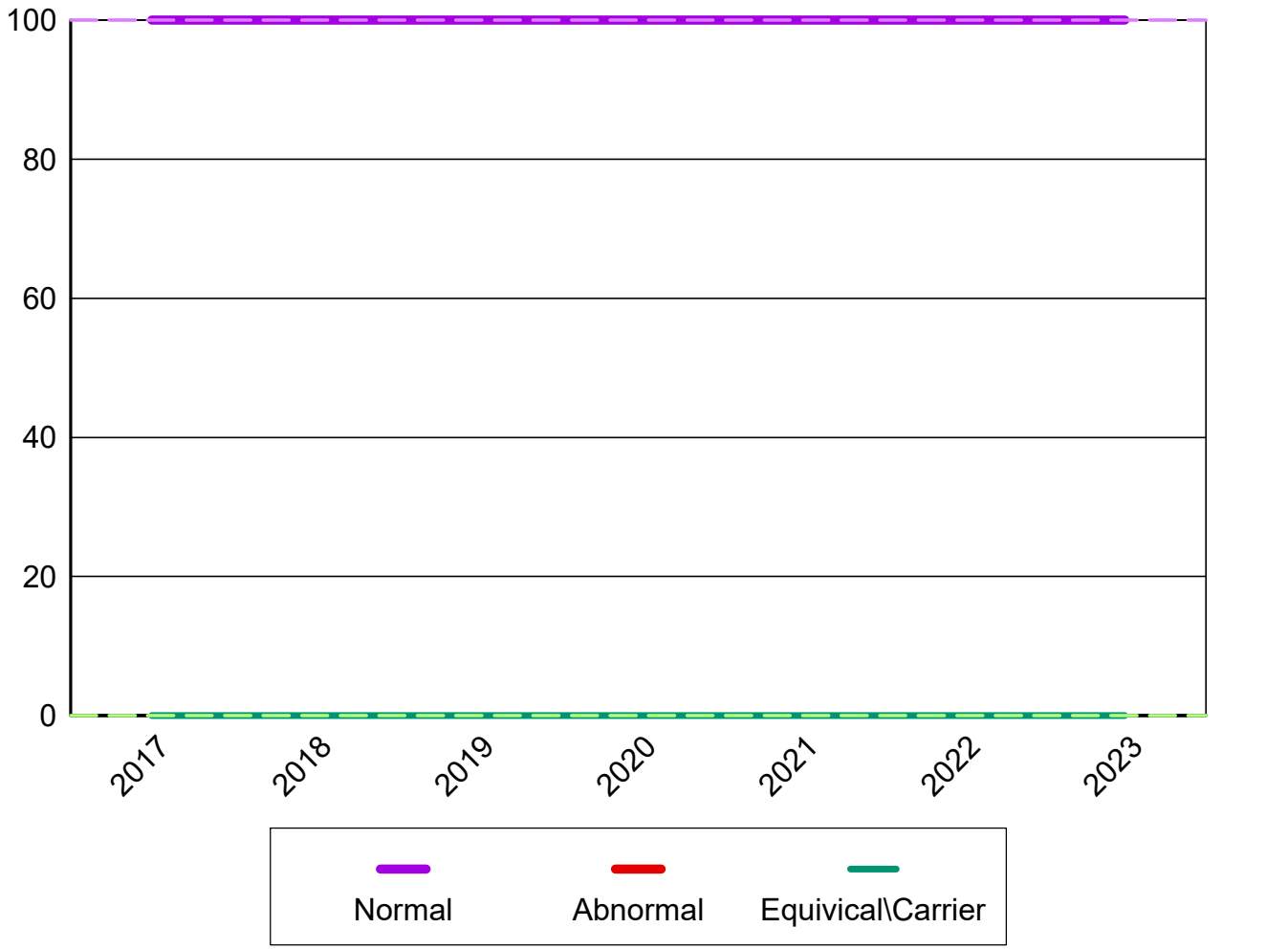
DEGENERATIVE MYELOPATHY



SHETLAND SHEEPDOG

SHETLAND SHEEPDOG

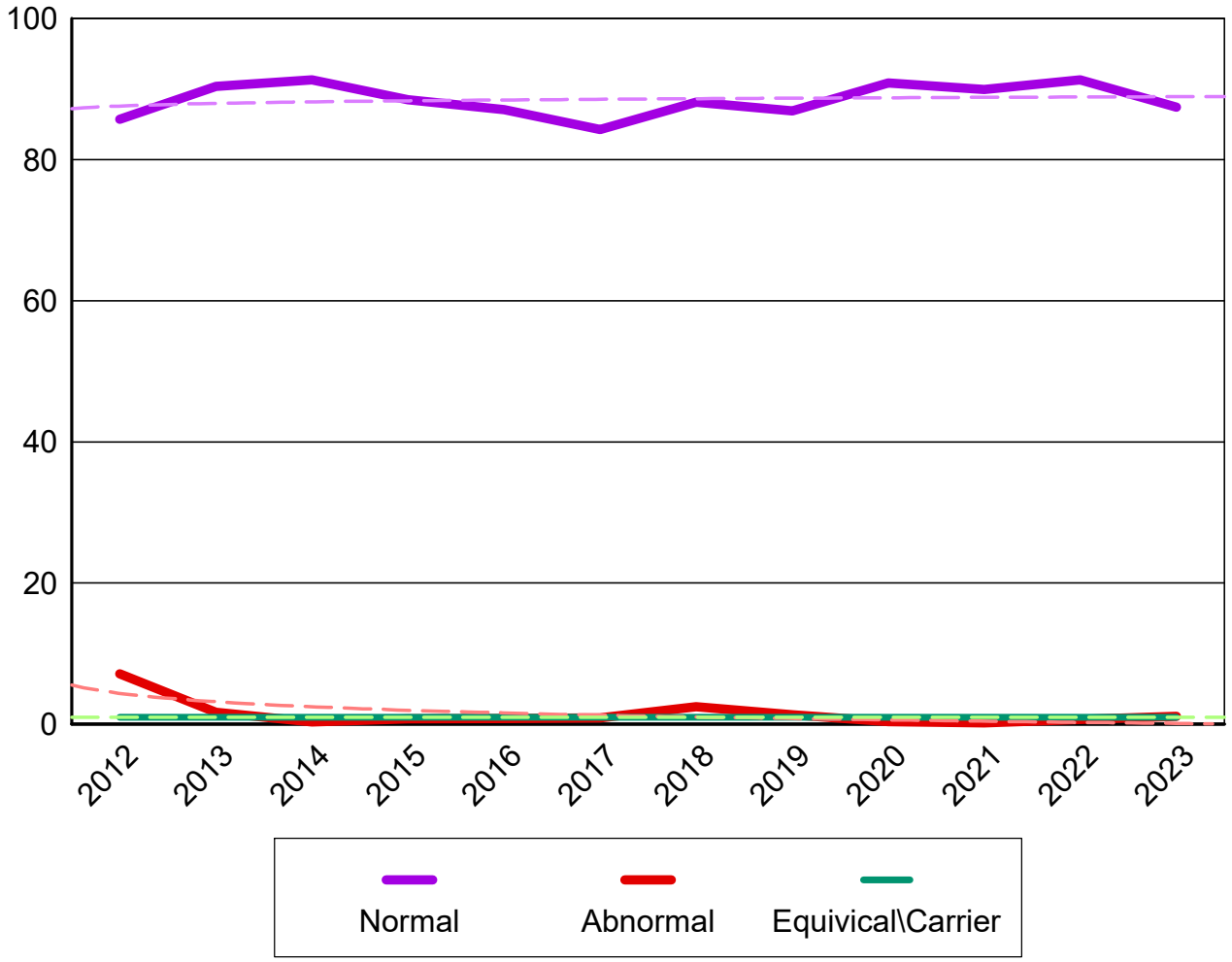
DERMATOMYOSITIS



SHETLAND SHEEPDOG

SHETLAND SHEEPDOG

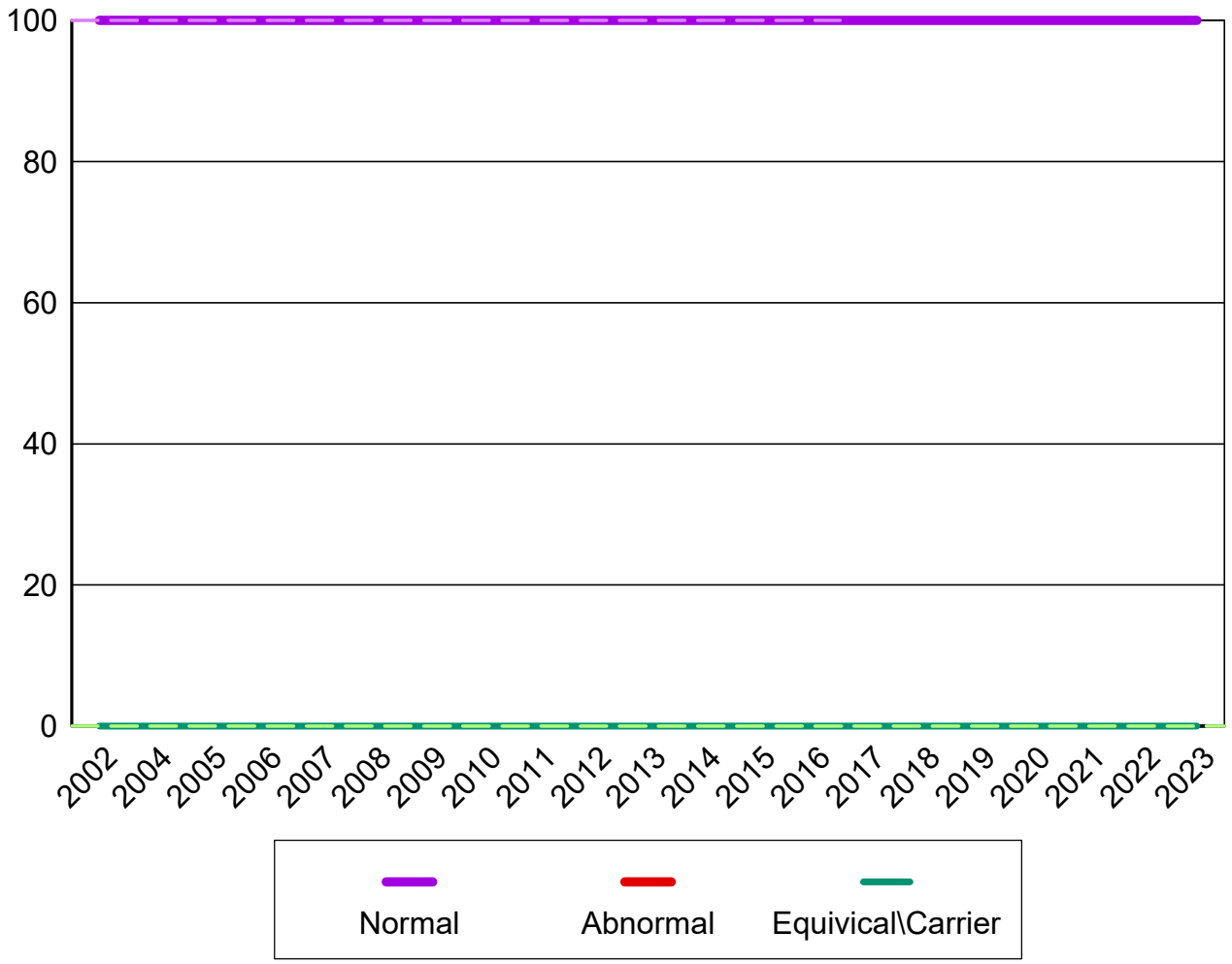
EYES



SHETLAND SHEEPDOG

SHETLAND SHEEPDOG

LEGG-CALVE-PERTHES



SHETLAND SHEEPDOG

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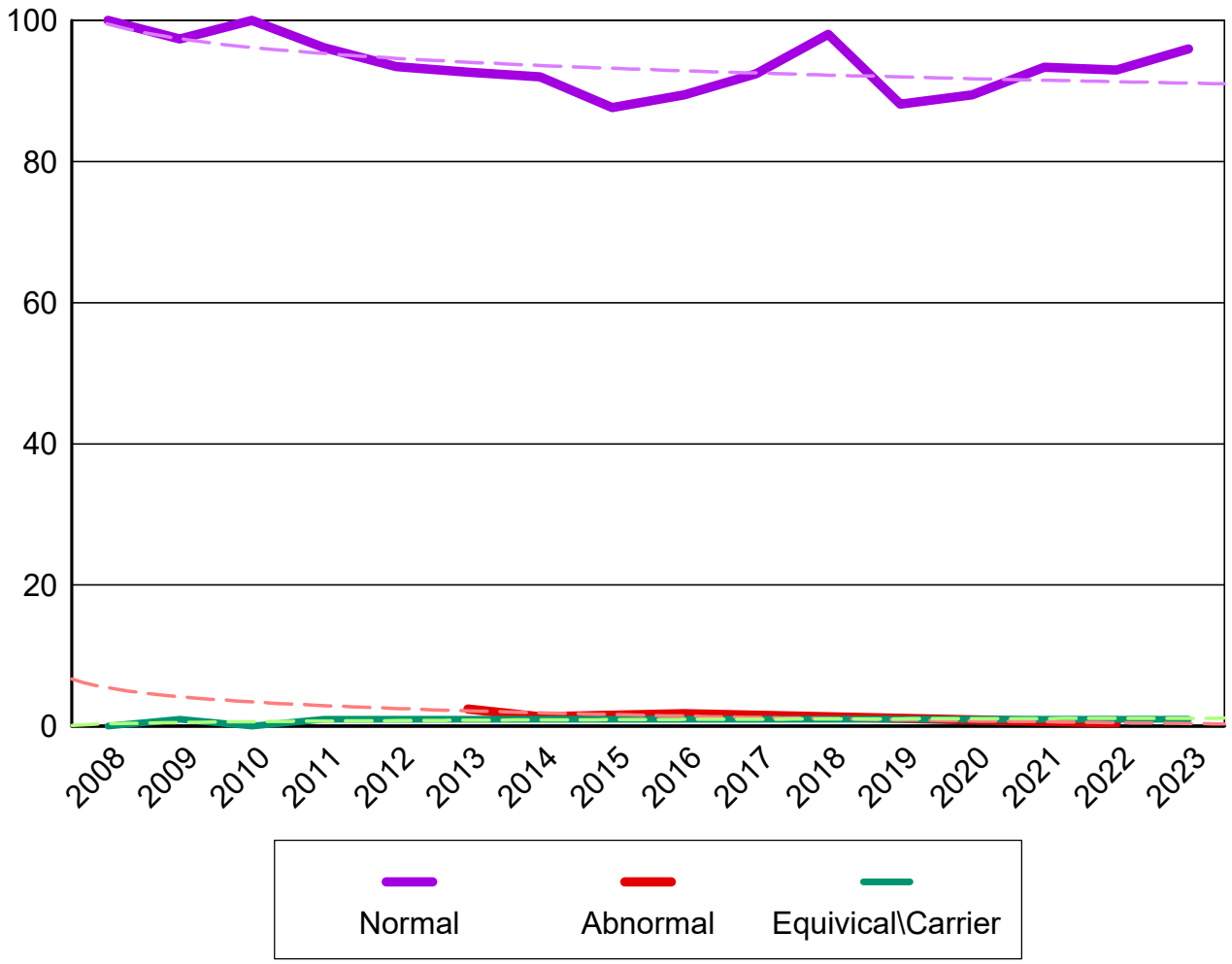
MULTIPLE DRUG RESISTANCE (MDR1)



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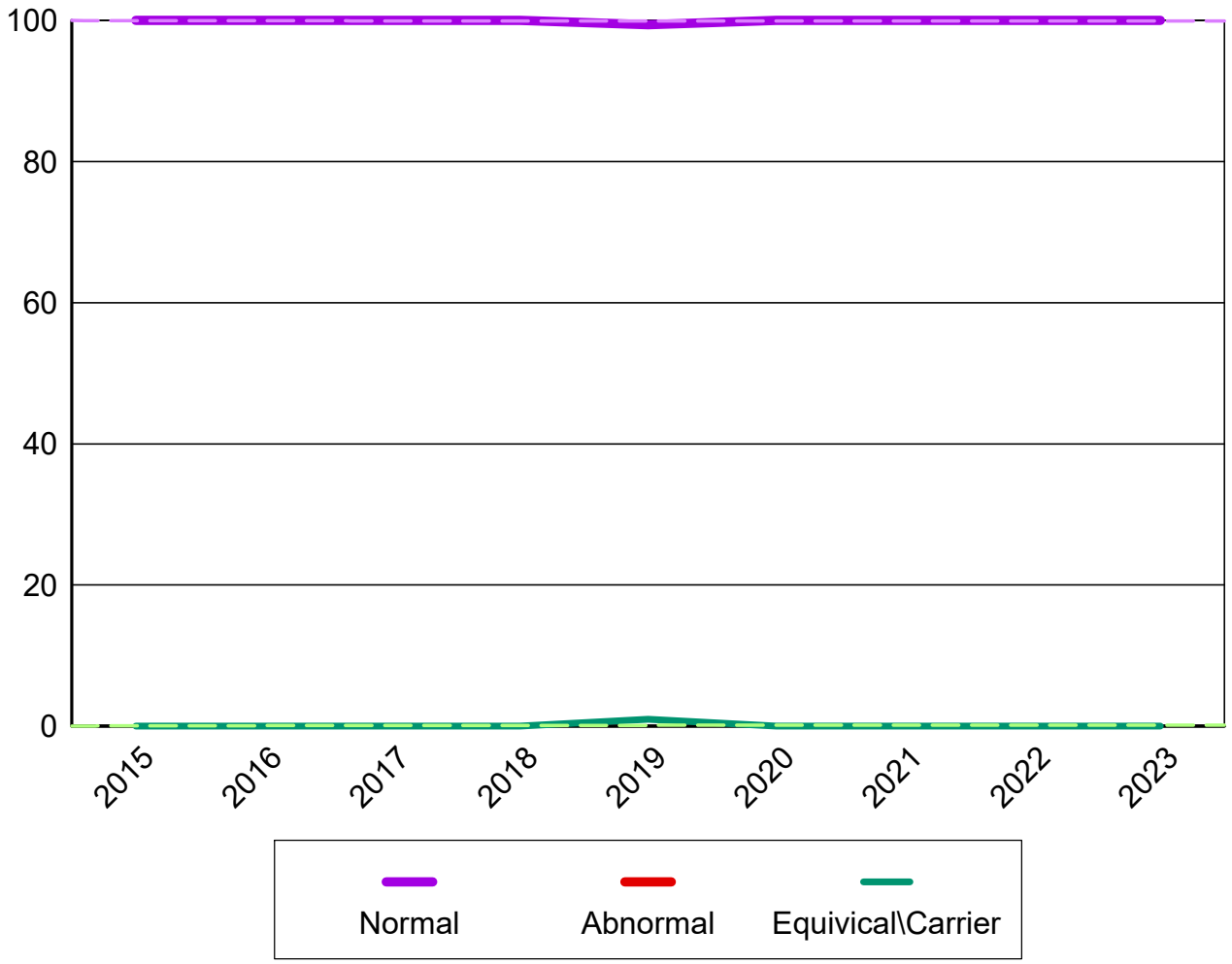
PROGRESSIVE RETINAL ATROPHY



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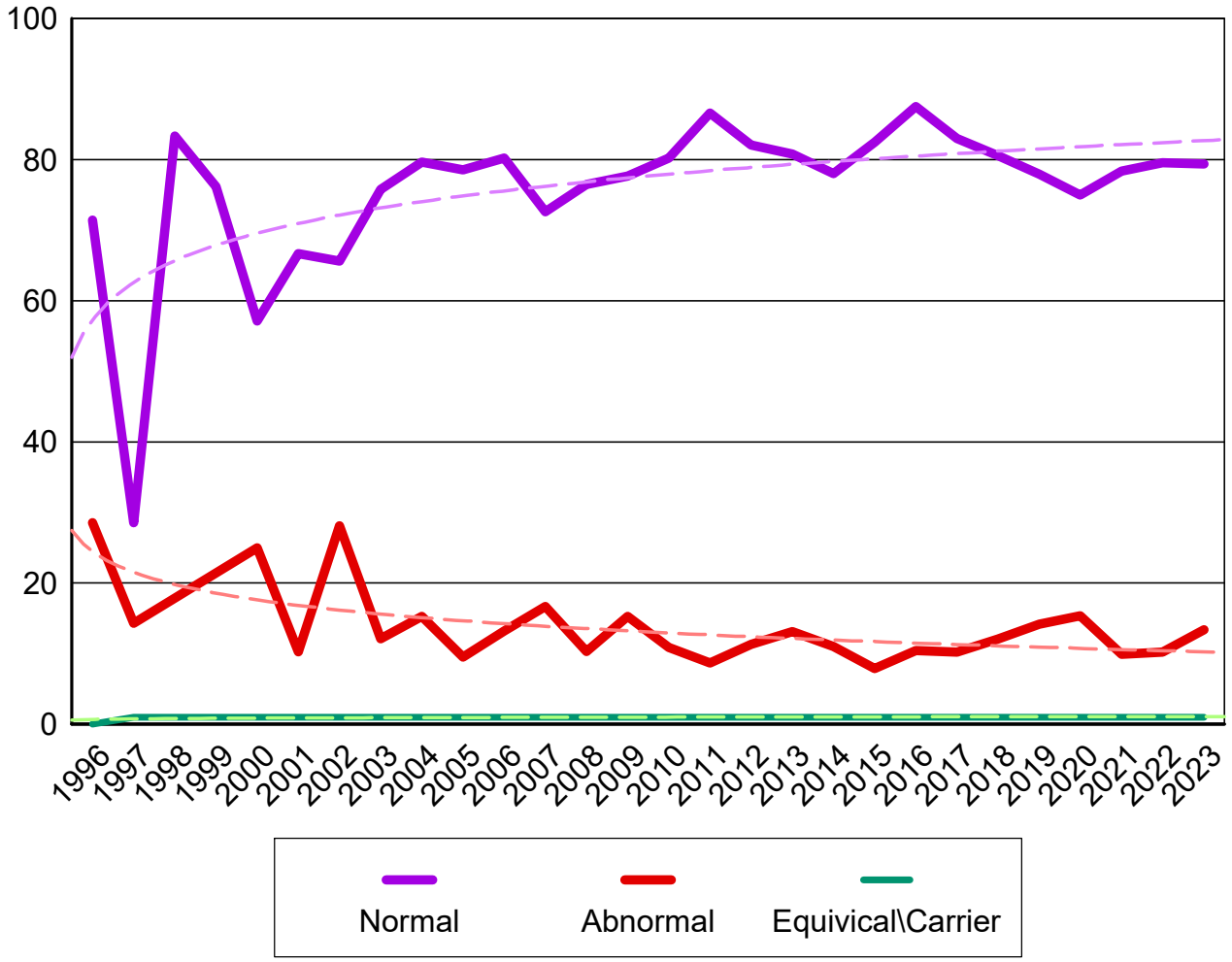
THYROID



Percent submitted to the open registry

Hips

Report year	*Cases*	*Excellent* %	*Good* %	*Fair* %	*Borderline* %	*Mild* %	*Moderate* %	*Severe* %
1974	44	11	28	1	0	1	3	0
		25.00%	63.64%	2.27%		2.27%	6.82%	
1975	127	42	76	5	0	2	2	0
		33.07%	59.84%	3.94%		1.57%	1.57%	
1976	65	22	39	2	0	1	1	0
		33.85%	60.00%	3.08%		1.54%	1.54%	
1977	49	14	31	2	0	1	0	1
		28.57%	63.27%	4.08%		2.04%		2.04%
1978	47	9	33	2	0	3	0	0
		19.15%	70.21%	4.26%		6.38%		
1979	37	11	23	0	0	0	1	2
		29.73%	62.16%				2.70%	5.41%
1980	21	8	10	1	0	2	0	0
		38.10%	47.62%	4.76%		9.52%		
1981	28	4	21	2	0	0	1	0
		14.29%	75.00%	7.14%			3.57%	
1982	25	3	17	3	0	0	2	0
		12.00%	68.00%	12.00%			8.00%	
1983	35	5	28	0	0	1	0	1
		14.29%	80.00%			2.86%		2.86%
1984	33	7	20	4	1	0	1	0
		21.21%	60.61%	12.12%	3.03%		3.03%	
1985	45	17	20	5	0	1	2	0
		37.78%	44.44%	11.11%		2.22%	4.44%	
1986	56	24	26	1	0	1	4	0
		42.86%	46.43%	1.79%		1.79%	7.14%	
1987	37	11	25	0	0	0	1	0
		29.73%	67.57%				2.70%	
1988	50	12	32	3	0	3	0	0
		24.00%	64.00%	6.00%		6.00%		
1989	41	13	23	3	0	0	2	0
		31.71%	56.10%	7.32%			4.88%	
1990	67	15	43	5	0	0	3	1
		22.39%	64.18%	7.46%			4.48%	1.49%
1991	136	42	73	14	0	4	2	1
		30.88%	53.68%	10.29%		2.94%	1.47%	0.74%
1992	1,412	336	882	99	0	56	32	7
		23.78%	62.42%	7.01%		3.96%	2.26%	0.50%
1993	1,178	333	692	86	2	34	25	6
		28.27%	58.74%	7.30%	0.17%	2.89%	2.12%	0.51%
1994	867	231	558	43	0	23	12	0
		26.61%	64.29%	4.95%		2.65%	1.38%	
1995	920	260	552	61	4	28	13	2
		28.23%	59.93%	6.62%	0.43%	3.04%	1.41%	0.22%

Percent submitted to the open registry

Hips

Report year	Cases	Excellent %	Good %	Fair %	Borderline %	Mild %	Moderate %	Severe %
1996	845	216 25.53%	519 61.35%	67 7.92%	0	28 3.31%	11 1.30%	4 0.47%
1997	829	223 26.90%	494 59.59%	77 9.29%	1 0.12%	18 2.17%	15 1.81%	1 0.12%
1998	914	248 27.13%	542 59.30%	84 9.19%	4 0.44%	18 1.97%	18 1.97%	0
1999	931	286 30.69%	525 56.33%	64 6.87%	10 1.07%	25 2.68%	20 2.15%	1 0.11%
2000	984	309 31.40%	564 57.32%	55 5.59%	4 0.41%	33 3.35%	18 1.83%	1 0.10%
2001	907 *10.69%*	264 29.11%	543 59.87%	54 5.95%	5 0.55%	24 2.65%	16 1.76%	1 0.11%
2002	966 *19.23%*	256 26.47%	619 64.01%	51 5.27%	1 0.10%	25 2.59%	13 1.34%	1 0.10%
2003	977 *15.56%*	266 27.23%	608 62.23%	54 5.53%	2 0.20%	33 3.38%	13 1.33%	1 0.10%
2004	918 *17.32%*	232 25.27%	576 62.75%	64 6.97%	2 0.22%	32 3.49%	8 0.87%	4 0.44%
2005	881 *18.62%*	195 22.13%	603 68.44%	43 4.88%	1 0.11%	24 2.72%	14 1.59%	1 0.11%
2006	900 *18.76%*	209 23.20%	579 64.26%	78 8.66%	0	25 2.77%	8 0.89%	1 0.11%
2007	826 *15.60%*	213 25.76%	514 62.15%	63 7.62%	2 0.24%	29 3.51%	5 0.60%	0
2008	729 *17.81%*	189 25.89%	445 60.96%	65 8.90%	1 0.14%	19 2.60%	7 0.96%	3 0.41%
2009	709 *17.49%*	243 34.27%	379 53.46%	52 7.33%	7 0.99%	16 2.26%	10 1.41%	2 0.28%
2010	738 *17.59%*	239 32.34%	443 59.95%	26 3.52%	3 0.41%	15 2.03%	8 1.08%	4 0.54%
2011	677 *15.21%*	219 32.35%	402 59.38%	33 4.87%	4 0.59%	12 1.77%	6 0.89%	1 0.15%
2012	572 *16.26%*	184 32.17%	344 60.14%	23 4.02%	2 0.35%	17 2.97%	2 0.35%	0
2013	654 *16.36%*	174 26.61%	417 63.76%	33 5.05%	3 0.46%	23 3.52%	4 0.61%	0
2014	623 *13.96%*	183 29.37%	388 62.28%	28 4.49%	1 0.16%	21 3.37%	2 0.32%	0
2015	660 *21.21%*	177 26.82%	408 61.82%	43 6.52%	3 0.45%	21 3.18%	6 0.91%	2 0.30%
2016	617 *22.37%*	159 25.77%	396 64.18%	41 6.65%	0	17 2.76%	4 0.65%	0
2017	697 *19.94%*	213 30.56%	422 60.55%	36 5.16%	1 0.14%	18 2.58%	5 0.72%	2 0.29%
2018	570 *19.30%*	165 28.95%	343 60.18%	30 5.26%	2 0.35%	21 3.68%	8 1.40%	1 0.18%

Percent submitted to the open registry

Hips

Report year	***Cases***	***Excellent***	***Good***	***Fair***	***Borderline***	***Mild***	***Moderate***	***Severe***
		%	**%**	**%**	**%**	**%**	**%**	**%**
2019	598	196	349	29	1	12	11	0
	21.57%	32.78%	58.36%	4.85%	0.17%	2.01%	1.84%	
2020	613	220	343	21	1	24	3	1
	22.35%	35.89%	55.95%	3.43%	0.16%	3.92%	0.49%	0.16%
2021	672	210	379	45	3	26	6	3
	20.83%	31.25%	56.40%	6.70%	0.45%	3.87%	0.89%	0.45%
2022	624	214	343	29	3	30	5	0
	20.03%	34.29%	54.97%	4.65%	0.48%	4.81%	0.80%	
2023	581	193	337	24	1	21	4	1
	24.44%	33.22%	58.00%	4.13%	0.17%	3.61%	0.69%	0.17%
Totals	**26,532**	**7,525**	**16,076**	**1,654**	**75**	**788**	**357**	**57**
		28.35%	**60.57%**	**6.23%**	**0.28%**	**2.97%**	**1.35%**	**0.21%**

Elbow

Report Year	Cases	Normal %	Grade 1 %	Grade 2 %	Grade 3 %	Borderline %
2016	129	127 98.45%				
2017	125	124 99.20%				
2018	127	124 97.64%				
2019	144	144 100.00%				
2020	140	138 98.57%				
2021	196	191 97.45%				2 1.02%
2022	178	174 97.75%				1 0.56%
2023	209	202 96.65%				1 0.48%
Totals	**2,177**	**2,120** **97.38%**				**7** **0.32%**
1993	9	9 100.00%				
1994	10	10 100.00%				
1995	6	6 100.00%				
1996	8	8 100.00%				
1997	16	15 93.75%				
1998	18	18 100.00%				
1999	28	28 100.00%				
2000	24	22 91.67%				
2001	30	28 93.33%				
2002	29	28 96.55%				
2003	37	35 94.59%				
2004	40	40 100.00%				

Elbow

Report Year	Cases	Normal %	Grade 1 %	Grade 2 %	Grade 3 %	Borderline %
2005	40	38 95.00%				
2006	53	52 98.11%				
2007	55	55 100.00%				
2008	58	57 98.28%				
2009	56	52 92.86%				
2010	53	52 98.11%				
2011	64	58 90.63%				1 1.56%
2012	69	65 94.20%				1 1.45%
2013	58	57 98.28%				
2014	74	72 97.30%				1 1.35%
2015	94	91 96.81%				

Advanced Cardiac

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Equivocal	% Equivocal
Shetland Sheepdog							
2016	1	1	100.0				
2017	10	10	100.0				
2018	11	11	100.0				
2019	7	7	100.0				
2020	10	10	100.0				
2021	9	9	100.0				
2022	2	2	100.0				
2023	2	2	100.0				
Totals	**52**	**52**	**100.0**				

Agouti

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2023	2	2	100.0				
Totals	**2**	**2**	**100.0**				

Baer Hearing Test

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Equivocal	% Equivocal
Shetland Sheepdog							
2005	1	1	100.0				
2011	1	1	100.0				
2012	3	3	100.0				
2013	2	2	100.0				
2016	1	1	100.0				
2023	3	3	100.0				
Totals	**11**	**11**	**100.0**				

Basic Cardiac

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2020	2	2	100.0				
2021	25	25	100.0				
2022	44	44	100.0				
2023	33	33	100.0				
Totals	**104**	**104**	**100.0**				

Brown (Tyrp 1)

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2023	1	1	100.0				

Brown (Tyrp 1)

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Totals	**1**	**1**	**100.0**				

Canine Multifocal Retinopathy

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2022	1	1	100.0				
2023	1	1	100.0				
Totals	**2**	**2**	**100.0**				

Chondrodysplasia (Cdpa)

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2022	1	1	100.0				
Totals	**1**	**1**	**100.0**				

Chondrodystrophy (Cddy)

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2022	1	1	100.0				
Totals	**1**	**1**	**100.0**				

Collie Eye Anomaly

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2005	1	1	100.0				
2006	1	1	100.0				
2007	2	2	100.0				
2008	6	4	66.7			2	33.3
2009	17	12	70.6	1	5.9	4	23.5
2010	38	28	73.7			10	26.3
2011	20	10	50.0	2	10.0	8	40.0
2012	35	28	80.0	2	5.7	5	14.3
2013	17	14	82.4			3	17.7
2014	16	13	81.3	1	6.3	2	12.5
2015	17	13	76.5			4	23.5
2016	19	18	94.7			1	5.3
2017	30	26	86.7			4	13.3
2018	52	46	88.5			6	11.5
2019	159	157	98.7			2	1.3
2020	203	199	98.0			4	2.0
2021	142	140	98.6			2	1.4

Collie Eye Anomaly

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
2022	198	190	96.0			8	4.0
2023	188	183	97.3			5	2.7
Totals	**1161**	**1085**	**93.5**	**6**	**0.5**	**70**	**6.0**

Congenital Cardiac

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Equivocal	% Equivocal
Shetland Sheepdog							
1997	1	1	100.0				
1999	4	4	100.0				
2000	7	7	100.0				
2001	4	4	100.0				
2002	4	4	100.0				
2003	4	4	100.0				
2004	8	8	100.0				
2005	5	5	100.0				
2006	10	10	100.0				
2007	14	14	100.0				
2008	4	4	100.0				
2009	11	11	100.0				
2010	12	12	100.0				
2011	13	13	100.0				
2012	4	4	100.0				
2013	13	13	100.0				
2014	13	13	100.0				
2015	26	26	100.0				
2016	36	36	100.0				
2017	21	21	100.0				
2018	31	31	100.0				
2019	65	65	100.0				
2020	20	20	100.0				
Totals	**330**	**330**	**100.0**				

Congenital Hypothroidism W/ Goiter

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2023	2	2	100.0				
Totals	**2**	**2**	**100.0**				

Craniomandibular Osteopathy

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2021	2	2	100.0				
Totals	**2**	**2**	**100.0**				

D Locus

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal
Shetland Sheepdog					
2023	2	2	100.0		
Totals	**2**	**2**	**100.0**		

Degenerative Myelopathy

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2009	2	1	50.0	1	50.0		
2010	1					1	100.0
2011	2	2	100.0				
2012	3	2	66.7			1	33.3
2013	3	2	66.7			1	33.3
2014	10	7	70.0			3	30.0
2015	19	16	84.2			3	15.8
2016	11	10	90.9			1	9.1
2017	23	19	82.6	2	8.7	2	8.7
2018	20	16	80.0	2	10.0	2	10.0
2019	157	141	89.8	1	0.6	15	9.6
2020	220	191	86.8	1	0.5	28	12.7
2021	145	127	87.6			18	12.4
2022	188	175	93.1			13	6.9
2023	190	170	89.5	2	1.1	18	9.5
Totals	**994**	**879**	**88.4**	**9**	**0.9**	**106**	**10.7**

Dentition

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2012	6	6	100.0				
2013	11	11	100.0				
2014	59	48	81.4	11	18.6		
2015	98	80	81.6	18	18.4		
2016	68	63	92.7	5	7.4		
2017	123	96	78.1	27	22.0		
2018	119	94	79.0	25	21.0		
2019	54	48	88.9	6	11.1		
2020	30	26	86.7	4	13.3		
2021	111	74	66.7	37	33.3		
2022	87	63	72.4	24	27.6		
2023	110	80	72.7	30	27.3		
Totals	**876**	**689**	**78.7**	**187**	**21.4**		

Dermatomyositis

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							

Dermatomyositis

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
2017	252	252	100.0				
2018	287	287	100.0				
2019	255	255	100.0				
2020	219	219	100.0				
2021	147	147	100.0				
2022	181	181	100.0				
2023	184	184	100.0				
Totals	**1525**	**1525**	**100.0**				

Exercise Induced Collapse

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2022	1	1	100.0				
Totals	**1**	**1**	**100.0**				

Eyes

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Breeder opt.	% Breeder opt.
Shetland Sheepdog							
2012	14	12	85.7	1	7.1	1	7.1
2013	239	216	90.4	4	1.7	19	8.0
2014	333	304	91.3	1	0.3	28	8.4
2015	391	346	88.5	3	0.8	42	10.7
2016	364	317	87.1	3	0.8	44	12.1
2017	451	380	84.3	4	0.9	67	14.9
2018	363	320	88.2	9	2.5	34	9.4
2019	450	391	86.9	6	1.3	53	11.8
2020	273	248	90.8	1	0.4	24	8.8
2021	478	430	90.0	1	0.2	47	9.8
2022	448	409	91.3	3	0.7	36	8.0
2023	446	390	87.4	5	1.1	51	11.4
Totals	**4250**	**3763**	**88.5**	**41**	**1.0**	**446**	**10.5**

Gr1 Progressive Retinal Atrophy

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2022	3	3	100.0				
Totals	**3**	**3**	**100.0**				

Hyperuricosuria

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							

Hyperuricosuria

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
2022	1	1	100.0				
Totals	**1**	**1**	**100.0**				

K Locus Database

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2023	2	2	100.0				
Totals	**2**	**2**	**100.0**				

Legg-Calve-Perthes

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2002	18	18	100.0				
2004	19	19	100.0				
2005	3109	3109	100.0				
2006	40	40	100.0				
2007	30	30	100.0				
2008	23	23	100.0				
2009	29	29	100.0				
2010	41	41	100.0				
2011	38	38	100.0				
2012	37	37	100.0				
2013	19	19	100.0				
2014	54	54	100.0				
2015	54	54	100.0				
2016	49	49	100.0				
2017	24	24	100.0				
2018	34	34	100.0				
2019	45	45	100.0				
2020	44	44	100.0				
2021	35	35	100.0				
2022	36	36	100.0				
2023	30	30	100.0				
Totals	**3808**	**3808**	**100.0**				

Maxillary Canine-Tooth Mesioversion

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2021	5	4	80.0			1	20.0
2022	14	6	42.9			8	57.1
2023	15	10	66.7			5	33.3
Totals	**34**	**20**	**58.8**			**14**	**41.2**

Mcr1 (Elocus)

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2023	1	1	100.0				
Totals	**1**	**1**	**100.0**				

Merle

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2020	2					2	100.0
2021	6	1	16.7			5	83.3
2022	5					5	100.0
2023	19	11	57.9			8	42.1
Totals	**32**	**12**	**37.5**			**20**	**62.5**

Multiple Drug Resistance (Mdr1)

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2008	12	12	100.0				
2009	38	37	97.4			1	2.6
2010	29	29	100.0				
2011	26	25	96.2			1	3.9
2012	61	57	93.4			4	6.6
2013	41	38	92.7	1	2.4	2	4.9
2014	75	69	92.0	1	1.3	5	6.7
2015	89	78	87.6			11	12.4
2016	57	51	89.5	1	1.8	5	8.8
2017	119	110	92.4			9	7.6
2018	153	150	98.0			3	2.0
2019	245	216	88.2			29	11.8
2020	266	238	89.5			28	10.5
2021	166	155	93.4			11	6.6
2022	228	212	93.0	1	0.4	15	6.6
2023	199	191	96.0			8	4.0
Totals	**1804**	**1668**	**92.5**	**4**	**0.2**	**132**	**7.3**

Paroxysmal Dyskinesia

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2021	1	1	100.0				
Totals	**1**	**1**	**100.0**				

Patella

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Equivocal	% Equivocal
Shetland Sheepdog							
1994	1	1	100.0				
1995	1			1	100.0		
1996	1			1	100.0		
1998	1	1	100.0				
1999	2	2	100.0				
2000	1			1	100.0		
2001	2	1	50.0	1	50.0		
2002	1	1	100.0				
2003	1	1	100.0				
2004	4	2	50.0	2	50.0		
2005	1	1	100.0				
2006	5	5	100.0				
2007	5	5	100.0				
2008	3	3	100.0				
2009	8	8	100.0				
2010	17	17	100.0				
2011	13	13	100.0				
2012	9	9	100.0				
2013	18	18	100.0				
2014	16	16	100.0				
2015	49	49	100.0				
2016	33	33	100.0				
2017	87	87	100.0				
2018	43	43	100.0				
2019	77	77	100.0				
2020	41	41	100.0				
2021	27	27	100.0				
2022	49	49	100.0				
2023	45	45	100.0				
Totals	**561**	**555**	**98.9**	**6**	**1.1**		

Piebald/White Spotting

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2021	1					1	100.0
2023	3	2	66.7			1	33.3
Totals	**4**	**2**	**50.0**			**2**	**50.0**

Pra-Crd4/Cord1

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2022	1	1	100.0				
Totals	**1**	**1**	**100.0**				

Primary Lens Luxation

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2022	1	1	100.0				
2023	1	1	100.0				
Totals	**2**	**2**	**100.0**				

Progressive Retinal Atrophy

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2015	7	7	100.0				
2016	10	10	100.0				
2017	19	19	100.0				
2018	28	28	100.0				
2019	162	161	99.4			1	0.6
2020	185	185	100.0				
2021	134	134	100.0				
2022	179	179	100.0				
2023	183	183	100.0				
Totals	**907**	**906**	**99.9**			**1**	**0.1**

Progressive Retinal Atrophy Bbs2 Variant

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2021	1	1	100.0				
2022	9	9	100.0				
2023	124	119	96.0			5	4.0
Totals	**134**	**129**	**96.3**			**5**	**3.7**

Rcd4 Progressive Retinal Atrophy

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
2023	1	1	100.0				
Totals	**1**	**1**	**100.0**				

Shoulder

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal
Shetland Sheepdog					
2005	3	3	100.0		
2009	4	4	100.0		
2011	7	7	100.0		
2012	1	1	100.0		
2013	3	3	100.0		

Shoulder

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal
2014	9	9	100.0		
2015	7	7	100.0		
2016	10	10	100.0		
2017	5	5	100.0		
2018	2	2	100.0		
2019	10	10	100.0		
2020	4	4	100.0		
2021	3	3	100.0		
2022	4	4	100.0		
2023	4	4	100.0		
Totals	**76**	**76**	**100.0**		

Thyroid

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Equivocal	% Equivocal
Shetland Sheepdog							
1996	7	5	71.4	2	28.6		
1997	7	2	28.6	1	14.3	4	57.1
1998	18	15	83.3			3	16.7
1999	21	16	76.2			5	23.8
2000	28	16	57.1	7	25.0	5	17.9
2001	39	26	66.7	4	10.3	9	23.1
2002	32	21	65.6	9	28.1	2	6.3
2003	66	50	75.8	8	12.1	8	12.1
2004	59	47	79.7	9	15.3	3	5.1
2005	84	66	78.6	8	9.5	10	11.9
2006	91	73	80.2	12	13.2	6	6.6
2007	84	61	72.6	14	16.7	9	10.7
2008	68	52	76.5	7	10.3	9	13.2
2009	85	66	77.7	13	15.3	6	7.1
2010	101	81	80.2	11	10.9	9	8.9
2011	127	110	86.6	11	8.7	6	4.7
2012	106	87	82.1	12	11.3	7	6.6
2013	99	80	80.8	13	13.1	6	6.1
2014	91	71	78.0	10	11.0	10	11.0
2015	114	94	82.5	9	7.9	11	9.7
2016	96	84	87.5	10	10.4	2	2.1
2017	147	122	83.0	15	10.2	10	6.8
2018	108	87	80.6	13	12.0	8	7.4
2019	127	99	78.0	18	14.2	10	7.9
2020	104	78	75.0	16	15.4	10	9.6
2021	111	87	78.4	11	9.9	13	11.7
2022	88	70	79.6	9	10.2	9	10.2
2023	97	77	79.4	13	13.4	7	7.2
Totals	**2205**	**1743**	**79.1**	**265**	**12.0**	**197**	**8.9**

Von Willebrands

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier

Von Willebrands

Report year	Cases	Normal	% Normal	Abnormal	% Abnormal	Carrier	% Carrier
Shetland Sheepdog							
1997	15	15	100.0				
1998	52	52	100.0				
1999	36	36	100.0				
2000	50	50	100.0				
2001	42	42	100.0				
2002	34	34	100.0				
2003	33	33	100.0				
2004	22	22	100.0				
2005	13	13	100.0				
2006	17	17	100.0				
2007	16	15	93.8			1	6.3
2008	15	15	100.0				
2009	52	51	98.1			1	1.9
2010	37	37	100.0				
2011	52	52	100.0				
2012	102	102	100.0				
2013	67	67	100.0				
2014	103	100	97.1			3	2.9
2015	119	118	99.2	1	0.8		
2016	77	76	98.7			1	1.3
2017	163	161	98.8			2	1.2
2018	149	149	100.0				
2019	218	218	100.0				
2020	253	251	99.2			2	0.8
2021	161	161	100.0				
2022	201	198	98.5			3	1.5
2023	200	200	100.0				
Totals	**2299**	**2285**	**99.4**	**1**	**0.0**	**13**	**0.6**