

## German Shorthaired Pointer

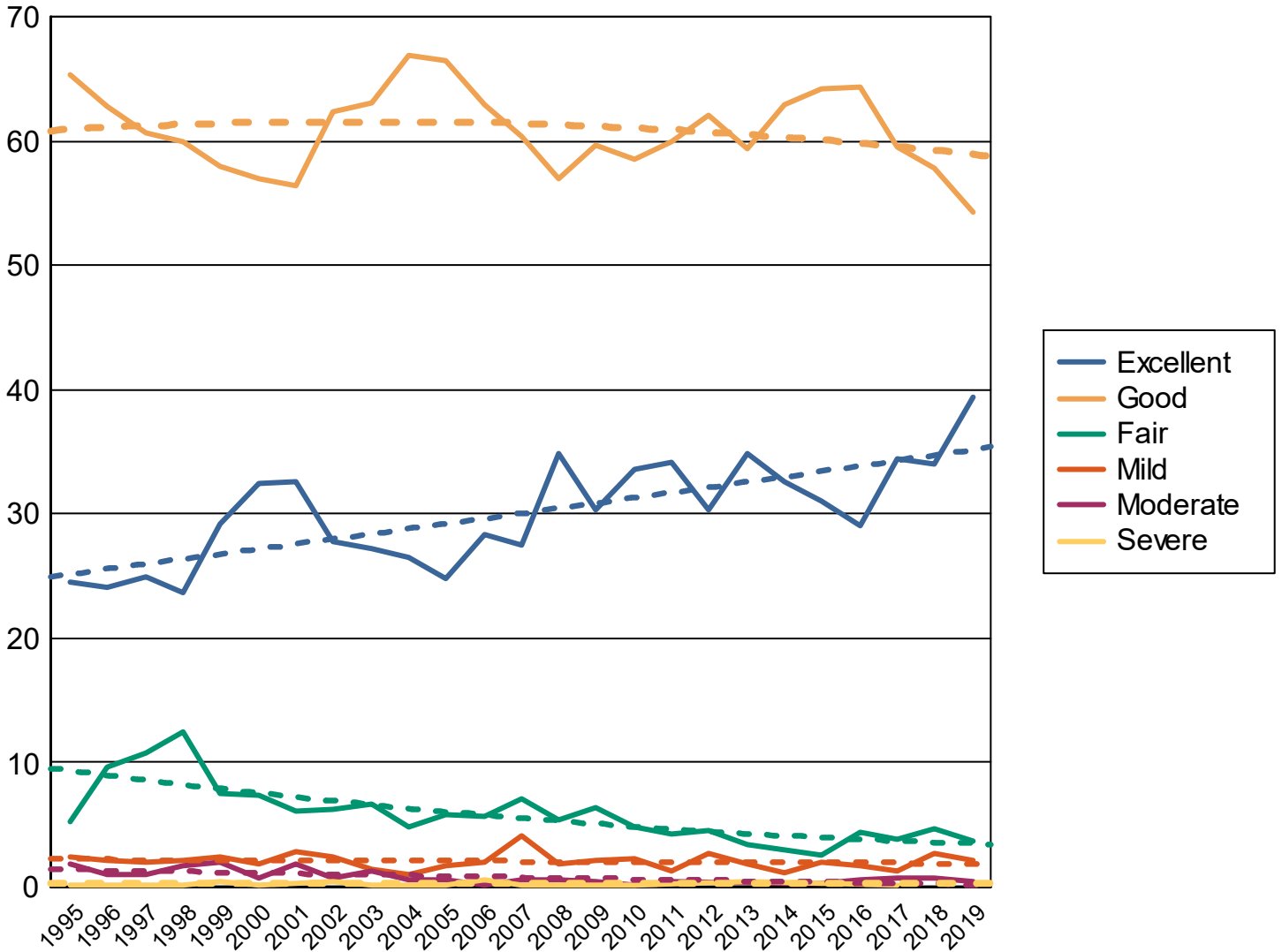
All data as of Dec-31-2021

	<i>Dysplastic rank, all breeds with more than 100 cases</i>		<i>Normals</i>		<i>Equivocal or Carrier</i>		<i>Abnormal</i>
Hips	175 of 196	19892	95.95%	62	0.30%	778	3.75%
Elbow	122 of 138	5147	98.71%	6	0.12%	61	1.17%
Congenital Cardiac		2634	99.51%	10	0.38%	3	0.11%
Thyroid		670	88.86%	64	8.49%	20	2.65%
Achromatopsia Day Blindness		2	100.00%	0		0	
Cone Degeneration		1638	98.14%	29	1.74%	2	0.12%
Ovc Elbows		1	100.00%	0		0	
Lupoid Dermatitis		261	97.03%	8	2.97%	0	
Von Willebrands Cornell Blood Assa		5	100.00%	0		0	
Mizzou Biomarker Study		1	50.00%	0		1	50.00%
Chondrodystrophy (Cddy)		3	100.00%	0		0	
Acral Mutilation Syndrome		63	100.00%	0		0	
Advanced Cardiac		683	98.13%	9	1.29%	4	0.57%
Shoulder		67	97.10%	0		2	2.90%
Baer Hearing Test		8	100.00%	0		0	
OFA EYE Registry		2282	99.05%	0		22	0.95%
Exercise Induced Collapse		4	100.00%	0		0	
Multiple Drug Resistance (Mdr1)		9	100.00%	0		0	
Von Willebrands		360	98.90%	4	1.10%	0	
Agouti		22	100.00%	0		0	
Dominant Black		31	100.00%	0		0	
Int'L Elbow Registry		1	100.00%	0		0	
Factor Vii Deficiency		21	100.00%	0		0	
D Locus		234	100.00%	0		0	
Patella		83	100.00%	0		0	

<b>Hyperuricosuria</b>	<b>120</b>	<b>99.17%</b>	<b>1</b>	<b>0.83%</b>	<b>0</b>	
<b>Ovc Hips</b>	<b>1</b>	<b>100.00%</b>	<b>0</b>		<b>0</b>	
<b>Int'L Hip Registry</b>	<b>1</b>	<b>100.00%</b>	<b>0</b>		<b>0</b>	
<b>Cone Rod Dystrophy</b>	<b>1</b>	<b>100.00%</b>	<b>0</b>		<b>0</b>	
<b>Chondrodysplasia (Cdpa)</b>	<b>3</b>	<b>100.00%</b>	<b>0</b>		<b>0</b>	
<b>Basic Cardiac</b>	<b>292</b>	<b>100.00%</b>	<b>0</b>		<b>0</b>	
<b>Mcr1 (Elocus)</b>	<b>4</b>	<b>100.00%</b>	<b>0</b>		<b>0</b>	
<b>Progressive Retinal Atrophy</b>	<b>2</b>	<b>66.67%</b>	<b>1</b>	<b>33.33%</b>	<b>0</b>	
<b>Degenerative Myelopathy</b>	<b>334</b>	<b>89.30%</b>	<b>38</b>	<b>10.16%</b>	<b>2</b>	<b>0.53%</b>
<b>Neuronal Ceroid Lipofuscinosis</b>	<b>24</b>	<b>100.00%</b>	<b>0</b>		<b>0</b>	
<b>Dentition Database</b>	<b>41</b>	<b>95.35%</b>	<b>0</b>		<b>2</b>	<b>4.65%</b>

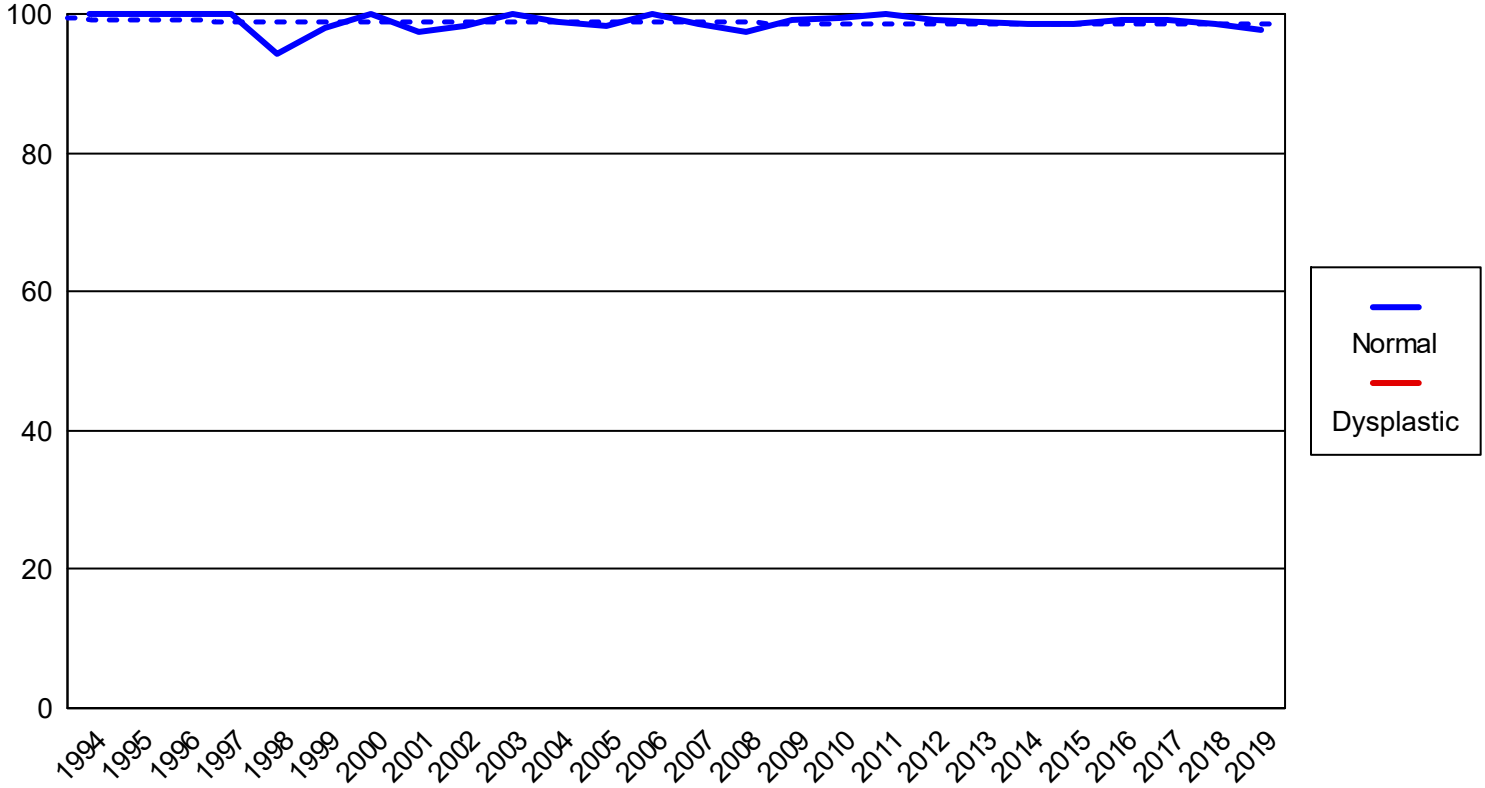
GERMAN SHORTHAIRED POINTER

Hip percentages by rating with trendlines



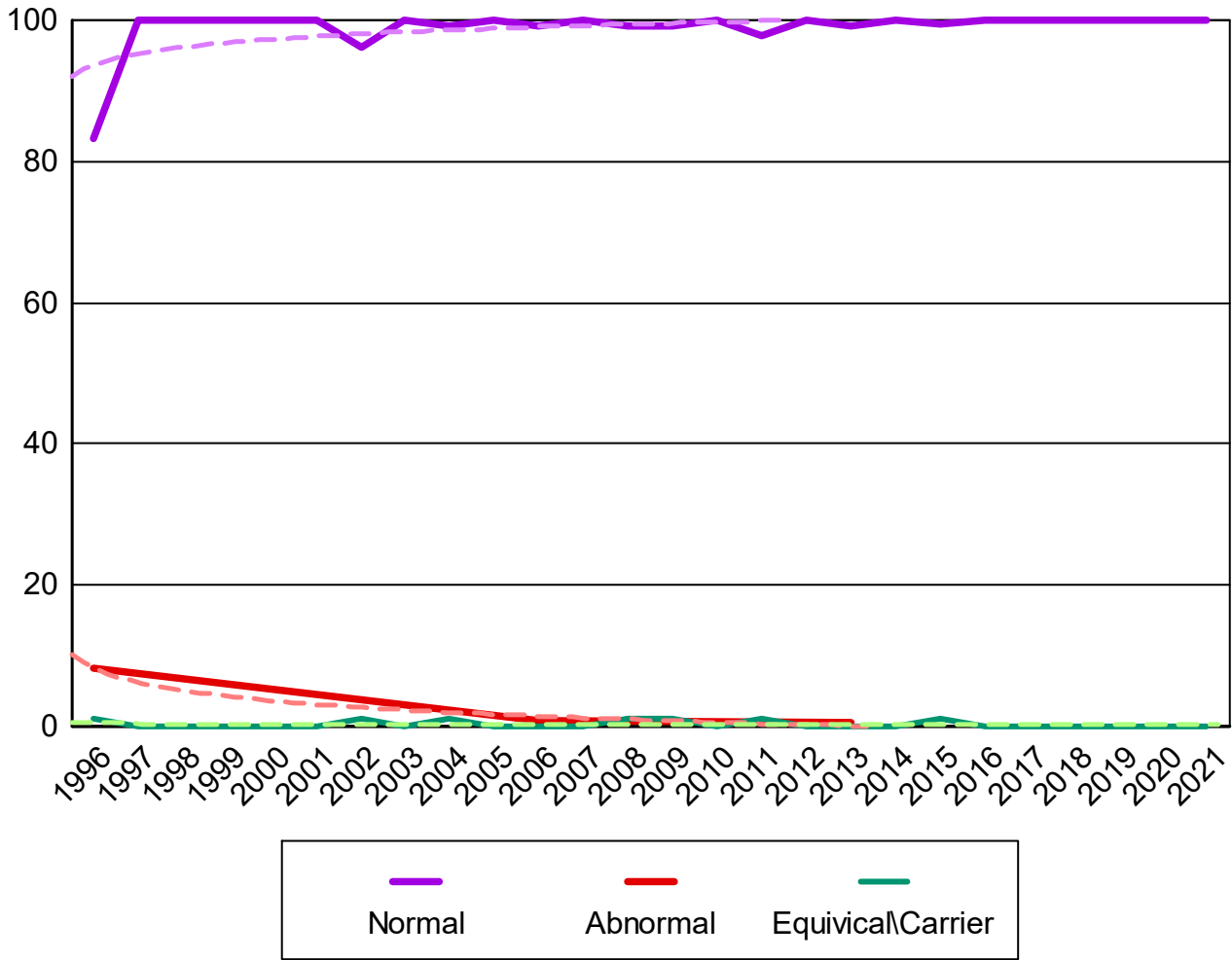
GERMAN SHORTHAIRED POINTER

Elbow percentages by rating with trendlines



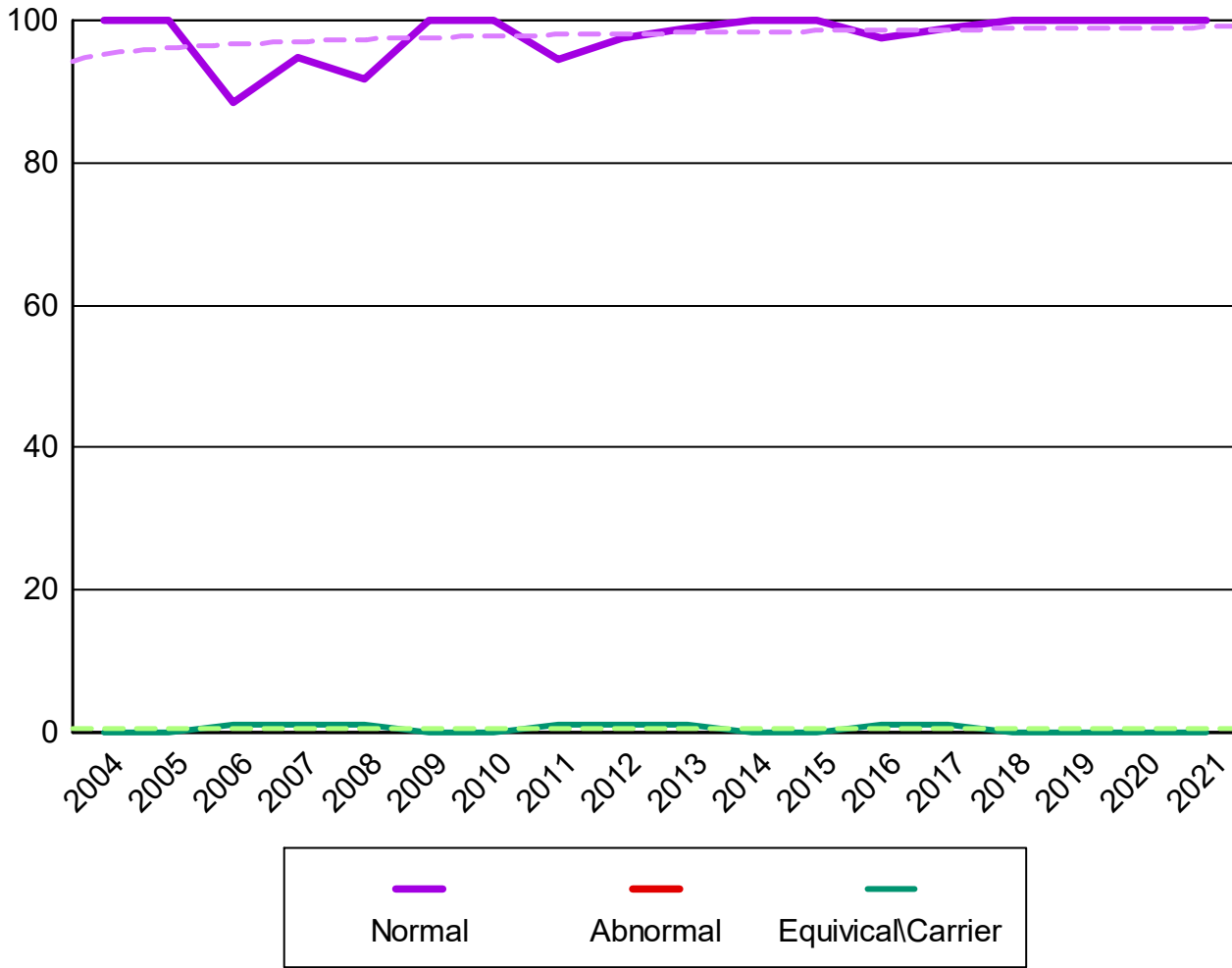
CONGENITAL CARDIAC

GERMAN SHORTHAIRED POINTER

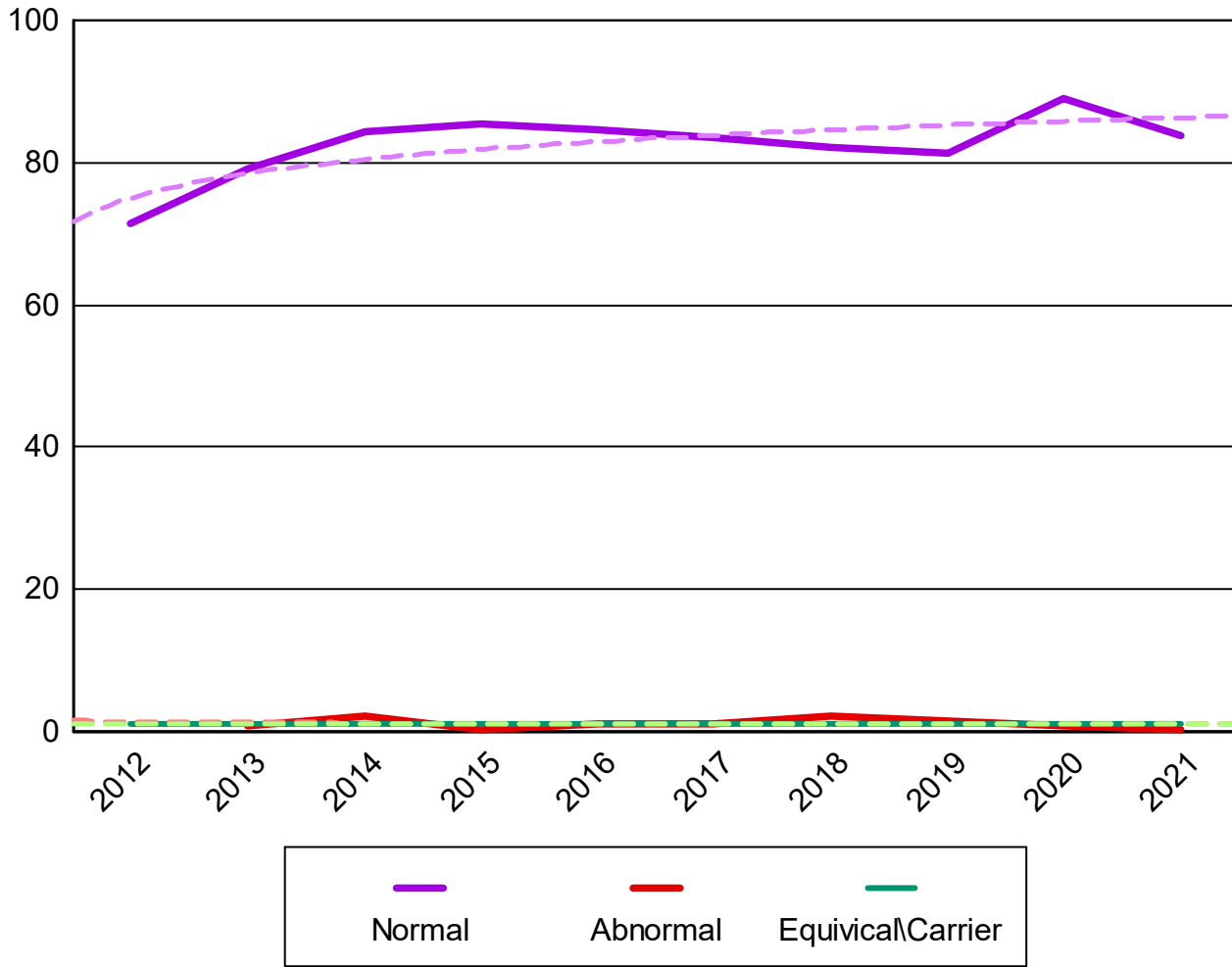


GERMAN SHORTHAIRED POINTER

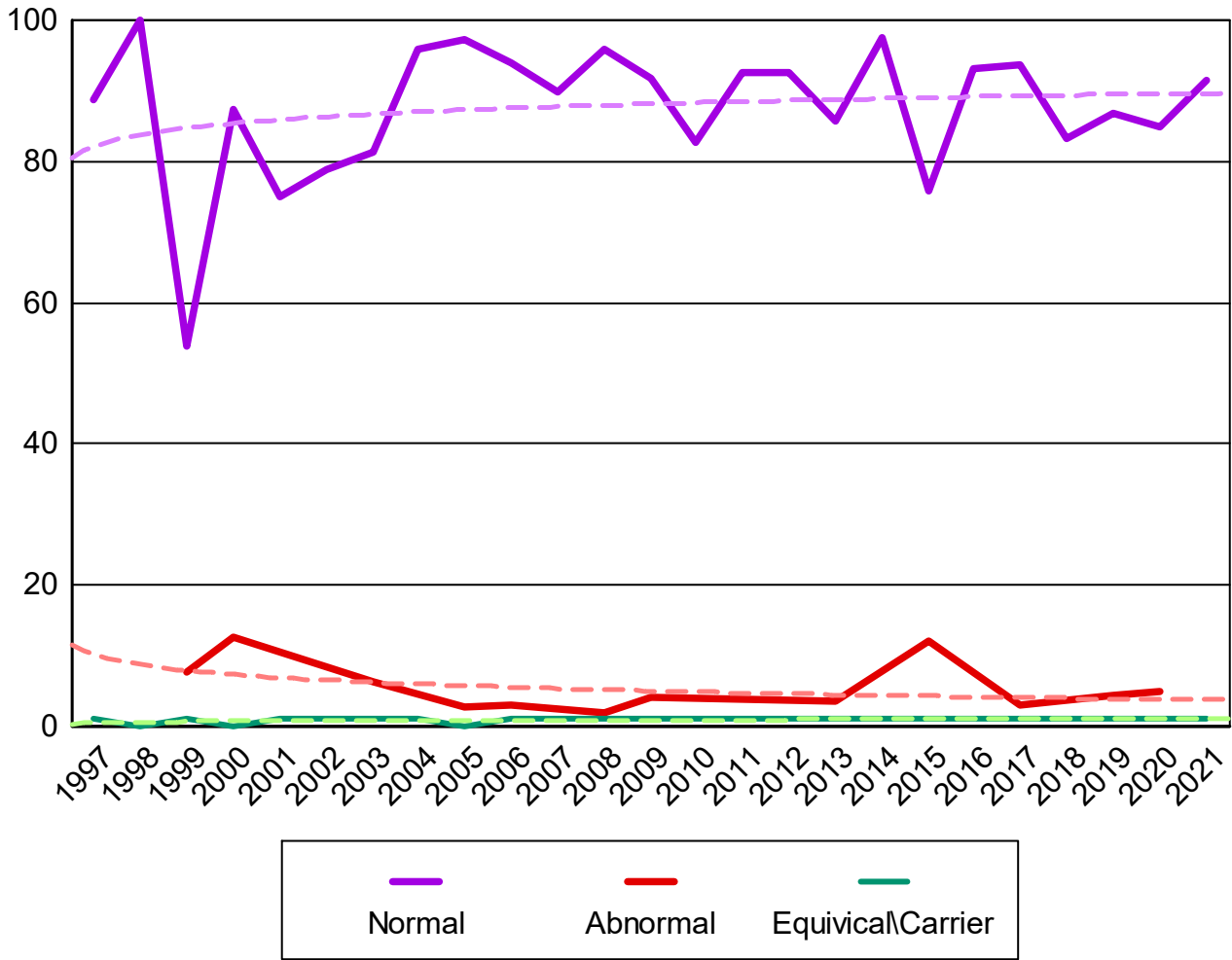
CONE DEGENERATION



EYES



THYROID





**Percent submitted to the open registry**  
**Hips**

<i>Report year</i>	<i>Cases</i>	<i>Excellent</i> %	<i>Good</i> %	<i>Fair</i> %	<i>Borderline</i> %	<i>Mild</i> %	<i>Moderate</i> %	<i>Severe</i> %
1974	112	25 22.32%	62 55.36%	11 9.82%	0	6 5.36%	7 6.25%	1 0.89%
1975	126	30 23.81%	80 63.49%	10 7.94%	0	3 2.38%	3 2.38%	0
1976	166	47 28.31%	98 59.04%	13 7.83%	0	6 3.61%	2 1.20%	0
1977	154	26 16.88%	103 66.88%	11 7.14%	1 0.65%	9 5.84%	2 1.30%	2 1.30%
1978	129	26 20.16%	78 60.47%	17 13.18%	0	6 4.65%	1 0.78%	1 0.78%
1979	126	25 19.84%	79 62.70%	10 7.94%	0	4 3.17%	7 5.56%	1 0.79%
1980	117	28 23.93%	71 60.68%	10 8.55%	1 0.85%	5 4.27%	2 1.71%	0
1981	126	20 15.87%	89 70.63%	8 6.35%	0	2 1.59%	6 4.76%	1 0.79%
1982	124	21 16.94%	88 70.97%	7 5.65%	1 0.81%	2 1.61%	4 3.23%	1 0.81%
1983	126	14 11.11%	84 66.67%	16 12.70%	0	7 5.56%	4 3.17%	1 0.79%
1984	171	21 12.14%	124 71.68%	16 9.25%	1 0.58%	2 1.16%	7 4.05%	0
1985	200	33 16.50%	134 67.00%	19 9.50%	1 0.50%	6 3.00%	7 3.50%	0
1986	271	42 15.50%	180 66.42%	25 9.23%	2 0.74%	15 5.54%	5 1.85%	2 0.74%
1987	239	39 16.32%	154 64.44%	22 9.21%	1 0.42%	14 5.86%	9 3.77%	0
1988	323	78 24.15%	194 60.06%	32 9.91%	1 0.31%	13 4.02%	4 1.24%	1 0.31%
1989	304	80 26.32%	190 62.50%	21 6.91%	0	7 2.30%	5 1.64%	1 0.33%
1990	358	81 22.50%	220 61.11%	28 7.78%	1 0.28%	16 4.44%	9 2.50%	3 0.83%
1991	405	104 25.68%	233 57.53%	44 10.86%	0	18 4.44%	5 1.23%	1 0.25%
1992	473	88 18.60%	317 67.02%	40 8.46%	2 0.42%	17 3.59%	9 1.90%	0
1993	537	94 17.50%	378 70.39%	40 7.45%	2 0.37%	14 2.61%	7 1.30%	2 0.37%
1994	506	118 23.32%	327 64.62%	34 6.72%	0	22 4.35%	5 0.99%	0
1995	611	150 24.51%	400 65.36%	32 5.23%	2 0.33%	15 2.45%	11 1.80%	1 0.16%

**Percent submitted to the open registry**

**Hips**

Report year	Cases	Excellent %	Good %	Fair %	Borderline %	Mild %	Moderate %	Severe %
1996	489	118 24.13%	307 62.78%	47 9.61%	2 0.41%	10 2.04%	5 1.02%	0
1997	606	151 24.92%	368 60.73%	65 10.73%	3 0.50%	12 1.98%	6 0.99%	1 0.17%
1998	602	142 23.59%	361 59.97%	75 12.46%	0	13 2.16%	10 1.66%	1 0.17%
1999	611	179 29.20%	355 57.91%	46 7.50%	2 0.33%	15 2.45%	12 1.96%	2 0.33%
2000	570	185 32.46%	325 57.02%	42 7.37%	3 0.53%	10 1.75%	4 0.70%	1 0.18%
2001	541	176 32.53%	305 56.38%	33 6.10%	2 0.37%	15 2.77%	10 1.85%	0
2002	601	167 27.79%	375 62.40%	37 6.16%	2 0.33%	14 2.33%	4 0.67%	2 0.33%
2003	651	177 27.19%	411 63.13%	43 6.61%	2 0.31%	9 1.38%	8 1.23%	1 0.15%
2004	586	155 26.45%	392 66.89%	28 4.78%	1 0.17%	6 1.02%	3 0.51%	1 0.17%
2005	657	163 24.81%	437 66.51%	38 5.78%	3 0.46%	11 1.67%	4 0.61%	1 0.15%
2006	666	189 28.38%	419 62.91%	38 5.71%	2 0.30%	13 1.95%	1 0.15%	4 0.60%
2007	639	176 27.54%	386 60.41%	45 7.04%	2 0.31%	26 4.07%	3 0.47%	1 0.16%
2008	591	206 34.86%	337 57.02%	32 5.41%	2 0.34%	11 1.86%	3 0.51%	0
2009	524	159 30.34%	313 59.73%	33 6.30%	6 1.15%	11 2.10%	2 0.38%	0
2010	545	183 33.58%	319 58.53%	26 4.77%	3 0.55%	12 2.20%	1 0.18%	1 0.18%
2011	494	169 34.21%	296 59.92%	21 4.25%	0	6 1.21%	2 0.40%	0
2012	491	149 30.35%	305 62.12%	22 4.48%	2 0.41%	13 2.65%	0	0
2013	451	157 34.81%	268 59.42%	15 3.33%	1 0.22%	8 1.77%	0	2 0.44%
2014	478	156 32.64%	301 62.97%	14 2.93%	1 0.21%	5 1.05%	1 0.21%	0
2015	506	157 31.03%	325 64.23%	13 2.57%	0	10 1.98%	1 0.20%	0
2016	547	159 29.07%	352 64.35%	24 4.39%	0	9 1.65%	3 0.55%	0
2017	543	187 34.44%	323 59.48%	21 3.87%	0	7 1.29%	4 0.74%	1 0.18%
2018	597	203 34.00%	345 57.79%	28 4.69%	1 0.17%	16 2.68%	4 0.67%	0

**Percent submitted to the open registry**

**Hips**

<i>Report year</i>	<i>Cases</i>	<i>Excellent</i> %	<i>Good</i> %	<i>Fair</i> %	<i>Borderline</i> %	<i>Mild</i> %	<i>Moderate</i> %	<i>Severe</i> %
2019	599	236	325	22	1	13	2	0
	<b>26.04%</b>	39.40%	54.26%	3.67%	0.17%	2.17%	0.33%	
2020	690	285	356	30	2	10	7	0
	<b>29.13%</b>	41.30%	51.59%	4.35%	0.29%	1.45%	1.01%	
2021	753	258	443	24	3	21	4	0
	<b>28.69%</b>	34.26%	58.83%	3.19%	0.40%	2.79%	0.53%	
<b>Totals</b>	<b>20,732</b>	<b>5,832</b>	<b>12,732</b>	<b>1,328</b>	<b>62</b>	<b>515</b>	<b>225</b>	<b>38</b>
		<b>28.12%</b>	<b>61.39%</b>	<b>6.40%</b>	<b>0.30%</b>	<b>2.48%</b>	<b>1.08%</b>	<b>0.18%</b>

**Elbow**

<i>Report Year</i>	<i>Cases</i>	<i>Normal %</i>	<i>Grade 1 %</i>	<i>Grade 2 %</i>	<i>Grade 3 %</i>	<i>Borderline %</i>
1990	1	1 100.00%				
1991	5	5 100.00%				
1992	6	6 100.00%				
1993	22	22 100.00%				
1994	23	23 100.00%				
1995	22	22 100.00%				
1996	21	21 100.00%				
1997	29	29 100.00%				
1998	36	34 94.44%	2 5.56%			
1999	57	56 98.25%	1 1.75%			
2000	46	46 100.00%				
2001	40	39 97.50%	1 2.50%			
2002	66	65 98.48%	1 1.52%			
2003	76	76 100.00%				
2004	96	95 98.96%		1 1.04%		
2005	115	113 98.26%	2 1.74%			
2006	125	125 100.00%				
2007	167	165 98.80%	1 0.60%	1 0.60%		
2008	172	168 97.67%	4 2.33%			
2009	161	160 99.38%		1 0.62%		
2010	175	174 99.43%		1 0.57%		

**Elbow**

<i>Report Year</i>	<i>Cases</i>	<i>Normal %</i>	<i>Grade 1 %</i>	<i>Grade 2 %</i>	<i>Grade 3 %</i>	<i>Borderline %</i>
2011	147	147 100.00%				
2012	162	161 99.38%		1 0.62%		
2013	175	173 98.86%				2 1.14%
2014	255	252 98.82%	3 1.18%			
2015	274	270 98.54%	4 1.46%			
2016	348	345 99.14%	3 0.86%			
2017	361	358 99.17%	2 0.55%			1 0.28%
2018	411	405 98.54%	6 1.46%			
2019	456	446 97.81%	7 1.54%	1 0.22%	1 0.22%	1 0.22%
2020	549	538 98.00%	11 2.00%			
2021	615	607 98.70%	5 0.81%	1 0.16%		2 0.33%
<b>Totals</b>	<b>5,214</b>	<b>5,147</b> <b>98.71%</b>	<b>53</b> <b>1.02%</b>	<b>7</b> <b>0.13%</b>	<b>1</b> <b>0.02%</b>	<b>6</b> <b>0.12%</b>

### Achromatopsia Day Blindness

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>German Shorthaired Pointer</b>							
2021	2	2	100.0				
<b>Totals</b>	<b>2</b>	<b>2</b>	<b>100.0</b>				

### Acral Mutilation Syndrome

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>German Shorthaired Pointer</b>							
2019	4	4	100.0				
2020	28	28	100.0				
2021	31	31	100.0				
<b>Totals</b>	<b>63</b>	<b>63</b>	<b>100.0</b>				

### Advanced Cardiac

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
<b>German Shorthaired Pointer</b>							
2016	82	82	100.0				
2017	139	137	98.6	1	0.7	1	0.7
2018	143	142	99.3			1	0.7
2019	130	125	96.2	2	1.5	3	2.3
2020	125	123	98.4			2	1.6
2021	73	71	97.3	1	1.4	1	1.4
<b>Totals</b>	<b>692</b>	<b>680</b>	<b>98.3</b>	<b>4</b>	<b>0.6</b>	<b>8</b>	<b>1.2</b>

### Agouti

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>German Shorthaired Pointer</b>							
2017	2	2	100.0				
2018	7	7	100.0				
2019	4	4	100.0				
2020	2	2	100.0				
2021	7	7	100.0				
<b>Totals</b>	<b>22</b>	<b>22</b>	<b>100.0</b>				

### Baer Hearing Test

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
<b>German Shorthaired Pointer</b>							
2006	1	1	100.0				
2008	1	1	100.0				
2009	1	1	100.0				
2010	2	2	100.0				
2014	1	1	100.0				

**Baer Hearing Test**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
2017	1	1	100.0				
2018	1	1	100.0				
<b>Totals</b>	<b>8</b>	<b>8</b>	<b>100.0</b>				

**Brown (Typr 1)**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
2021	1			1	100.0		
<b>Totals</b>	<b>1</b>			<b>1</b>	<b>100.0</b>		

**Chondrodysplasia (Cdpa)**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
2020	2	2	100.0				
2021	1	1	100.0				
<b>Totals</b>	<b>3</b>	<b>3</b>	<b>100.0</b>				

**Chondrodystrophy (Cddy)**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
2020	2	2	100.0				
2021	1	1	100.0				
<b>Totals</b>	<b>3</b>	<b>3</b>	<b>100.0</b>				

**Cone Degeneration**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
2004	13	13	100.0				
2005	8	8	100.0				
2006	43	38	88.4			5	11.6
2007	134	127	94.8			7	5.2
2008	109	100	91.7	2	1.8	7	6.4
2009	70	70	100.0				
2010	86	86	100.0				
2011	56	53	94.6			3	5.4
2012	86	84	97.7			2	2.3
2013	83	82	98.8			1	1.2
2014	100	100	100.0				
2015	101	101	100.0				
2016	129	126	97.7			3	2.3
2017	97	96	99.0			1	1.0

**German Shorthaired Pointer**

### Cone Degeneration

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
2018	104	104	100.0				
2019	101	101	100.0				
2020	156	156	100.0				
2021	193	193	100.0				
<b>Totals</b>	<b>1669</b>	<b>1638</b>	<b>98.1</b>	<b>2</b>	<b>0.1</b>	<b>29</b>	<b>1.7</b>

### Cone Rod Dystrophy

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>German Shorthaired Pointer</b>							
2018	1	1	100.0				
<b>Totals</b>	<b>1</b>	<b>1</b>	<b>100.0</b>				

### Congenital Cardiac

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
<b>German Shorthaired Pointer</b>							
1996	12	10	83.3	1	8.3	1	8.3
1997	19	19	100.0				
1998	32	32	100.0				
1999	28	28	100.0				
2000	24	24	100.0				
2001	58	58	100.0				
2002	54	52	96.3			2	3.7
2003	106	106	100.0				
2004	116	115	99.1			1	0.9
2005	122	122	100.0				
2006	139	138	99.3	1	0.7		
2007	154	154	100.0				
2008	152	151	99.3			1	0.7
2009	143	142	99.3			1	0.7
2010	195	195	100.0				
2011	146	143	98.0			3	2.1
2012	162	162	100.0				
2013	149	148	99.3	1	0.7		
2014	174	174	100.0				
2015	208	207	99.5			1	0.5
2016	129	129	100.0				
2017	81	81	100.0				
2018	87	87	100.0				
2019	73	73	100.0				
2020	70	70	100.0				
2021	12	12	100.0				
<b>Totals</b>	<b>2645</b>	<b>2632</b>	<b>99.5</b>	<b>3</b>	<b>0.1</b>	<b>10</b>	<b>0.4</b>



### D Locus

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>
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#### German Shorthaired Pointer

2014	15	15	100.0		
2015	14	14	100.0		
2016	21	21	100.0		
2017	40	40	100.0		
2018	46	46	100.0		
2019	33	33	100.0		
2020	30	30	100.0		
2021	35	35	100.0		
<b>Totals</b>	<b>234</b>	<b>234</b>	<b>100.0</b>		

### Degenerative Encephalopathy

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
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#### German Shorthaired Pointer

2020	1					1	100.0
<b>Totals</b>	<b>1</b>					<b>1</b>	<b>100.0</b>

### Degenerative Myelopathy

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
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#### German Shorthaired Pointer

2010	1	1	100.0				
2011	2	2	100.0				
2012	1	1	100.0				
2013	3	2	66.7	1	33.3		
2014	1	1	100.0				
2015	15	11	73.3			4	26.7
2016	18	18	100.0				
2017	75	59	78.7			16	21.3
2018	54	47	87.0			7	13.0
2019	49	45	91.8			4	8.2
2020	65	63	96.9	1	1.5	1	1.5
2021	90	84	93.3			6	6.7
<b>Totals</b>	<b>374</b>	<b>334</b>	<b>89.3</b>	<b>2</b>	<b>0.5</b>	<b>38</b>	<b>10.2</b>

### Dentition Database

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
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#### German Shorthaired Pointer

2015	4	4	100.0				
2016	6	4	66.7	2	33.3		
2017	4	4	100.0				
2018	3	3	100.0				
2019	6	6	100.0				
2020	3	3	100.0				
2021	17	17	100.0				

### Dentition Database

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>Totals</b>	<b>43</b>	<b>41</b>	<b>95.4</b>	<b>2</b>	<b>4.7</b>		

### Dominant Black

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
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#### German Shorthaired Pointer

2017	2	2	100.0				
2018	10	10	100.0				
2019	5	5	100.0				
2020	5	5	100.0				
2021	9	9	100.0				
<b>Totals</b>	<b>31</b>	<b>31</b>	<b>100.0</b>				

### Exercise Induced Collapse

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
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#### German Shorthaired Pointer

2016	1	1	100.0				
2017	1	1	100.0				
2020	1	1	100.0				
2021	1	1	100.0				
<b>Totals</b>	<b>4</b>	<b>4</b>	<b>100.0</b>				

### Eyes

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Breeder opt.</i>	<i>% Breeder opt.</i>
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#### German Shorthaired Pointer

2012	14	10	71.4			4	28.6
2013	144	114	79.2	1	0.7	29	20.1
2014	223	188	84.3	5	2.2	30	13.5
2015	253	216	85.4	1	0.4	36	14.2
2016	269	228	84.8	3	1.1	38	14.1
2017	279	233	83.5	3	1.1	43	15.4
2018	269	221	82.2	6	2.2	42	15.6
2019	252	205	81.4			47	18.7
2020	249	222	89.2	2	0.8	25	10.0
2021	352	295	83.8	1	0.3	56	15.9
<b>Totals</b>	<b>2304</b>	<b>1932</b>	<b>83.9</b>	<b>22</b>	<b>1.0</b>	<b>350</b>	<b>15.2</b>

### Factor VII Deficiency

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
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#### German Shorthaired Pointer

2019	4	4	100.0				
2020	7	7	100.0				

### Factor Vii Deficiency

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
2021	10	10	100.0				
<b>Totals</b>	<b>21</b>	<b>21</b>	<b>100.0</b>				

### Hyperuricosuria

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>German Shorthaired Pointer</b>							
2016	6	6	100.0				
2017	9	9	100.0				
2018	17	16	94.1			1	5.9
2019	19	19	100.0				
2020	29	29	100.0				
2021	40	40	100.0				
<b>Totals</b>	<b>120</b>	<b>119</b>	<b>99.2</b>			<b>1</b>	<b>0.8</b>

### Lupoid Dermatitis

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>German Shorthaired Pointer</b>							
2011	24	24	100.0				
2012	41	38	92.7			3	7.3
2013	16	16	100.0				
2014	19	19	100.0				
2015	20	20	100.0				
2016	20	20	100.0				
2017	23	23	100.0				
2018	20	18	90.0			2	10.0
2019	33	31	93.9			2	6.1
2020	31	30	96.8			1	3.2
2021	21	21	100.0				
<b>Totals</b>	<b>268</b>	<b>260</b>	<b>97.0</b>			<b>8</b>	<b>3.0</b>

### Mcr1 (Elocus)

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>German Shorthaired Pointer</b>							
2019	1	1	100.0				
2020	1	1	100.0				
2021	2	2	100.0				
<b>Totals</b>	<b>4</b>	<b>4</b>	<b>100.0</b>				

### Multiple Drug Resistance (Mdr1)

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>German Shorthaired Pointer</b>							

### Multiple Drug Resistance (Mdr1)

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
2019	3	3	100.0				
2020	6	6	100.0				
<b>Totals</b>	<b>9</b>	<b>9</b>	<b>100.0</b>				

### Neuronal Ceroid Lipofuscinosis

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>German Shorthaired Pointer</b>							
2020	11	11	100.0				
2021	13	13	100.0				
<b>Totals</b>	<b>24</b>	<b>24</b>	<b>100.0</b>				

### Patella

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
<b>German Shorthaired Pointer</b>							
2000	1	1	100.0				
2001	1	1	100.0				
2003	2	2	100.0				
2005	1	1	100.0				
2006	1	1	100.0				
2007	3	3	100.0				
2008	1	1	100.0				
2009	1	1	100.0				
2010	2	2	100.0				
2011	3	3	100.0				
2012	7	7	100.0				
2013	4	4	100.0				
2014	3	3	100.0				
2015	6	6	100.0				
2016	10	10	100.0				
2017	5	5	100.0				
2018	6	6	100.0				
2019	6	6	100.0				
2020	7	7	100.0				
2021	13	13	100.0				
<b>Totals</b>	<b>83</b>	<b>83</b>	<b>100.0</b>				

### Piebald/White Spotting

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>German Shorthaired Pointer</b>							
2021	1					1	100.0
<b>Totals</b>	<b>1</b>					<b>1</b>	<b>100.0</b>

### Progressive Retinal Atrophy

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>German Shorthaired Pointer</b>							
2010	1					1	100.0
2021	2	2	100.0				
<b>Totals</b>	<b>3</b>	<b>2</b>	<b>66.7</b>			<b>1</b>	<b>33.3</b>

### Shoulder

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>
<b>German Shorthaired Pointer</b>					
2000	1			1	100.0
2005	4	4	100.0		
2006	5	5	100.0		
2007	3	3	100.0		
2008	1	1	100.0		
2009	1	1	100.0		
2010	3	3	100.0		
2012	2	2	100.0		
2014	2	2	100.0		
2015	7	7	100.0		
2016	6	6	100.0		
2017	7	6	85.7	1	14.3
2018	7	7	100.0		
2019	11	11	100.0		
2020	2	2	100.0		
2021	7	7	100.0		
<b>Totals</b>	<b>69</b>	<b>67</b>	<b>97.1</b>	<b>2</b>	<b>2.9</b>

### Thyroid

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
<b>German Shorthaired Pointer</b>							
1997	9	8	88.9			1	11.1
1998	3	3	100.0				
1999	13	7	53.9	1	7.7	5	38.5
2000	8	7	87.5	1	12.5		
2001	12	9	75.0			3	25.0
2002	19	15	79.0			4	21.1
2003	32	26	81.3	2	6.3	4	12.5
2004	25	24	96.0			1	4.0
2005	36	35	97.2	1	2.8		
2006	34	32	94.1	1	2.9	1	2.9
2007	39	35	89.7	1	2.6	3	7.7
2008	49	47	95.9	1	2.0	1	2.0
2009	49	45	91.8	2	4.1	2	4.1
2010	29	24	82.8			5	17.2
2011	40	37	92.5			3	7.5
2012	27	25	92.6			2	7.4
2013	28	24	85.7	1	3.6	3	10.7
2014	39	38	97.4			1	2.6

### Thyroid

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
2015	33	25	75.8	4	12.1	4	12.1
2016	29	27	93.1			2	6.9
2017	32	30	93.8	1	3.1	1	3.1
2018	24	20	83.3			4	16.7
2019	46	40	87.0	2	4.4	4	8.7
2020	40	34	85.0	2	5.0	4	10.0
2021	58	53	91.4			5	8.6
<b>Totals</b>	<b>753</b>	<b>670</b>	<b>89.0</b>	<b>20</b>	<b>2.7</b>	<b>63</b>	<b>8.4</b>

### Von Willebrands

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
<b>German Shorthaired Pointer</b>							
2009	17	17	100.0				
2010	3	3	100.0				
2011	5	5	100.0				
2012	11	11	100.0				
2013	3	3	100.0				
2014	9	9	100.0				
2015	8	8	100.0				
2016	21	21	100.0				
2017	22	22	100.0				
2018	39	38	97.4			1	2.6
2019	40	39	97.5			1	2.5
2020	84	83	98.8			1	1.2
2021	101	100	99.0			1	1.0
<b>Totals</b>	<b>363</b>	<b>359</b>	<b>98.9</b>			<b>4</b>	<b>1.1</b>