

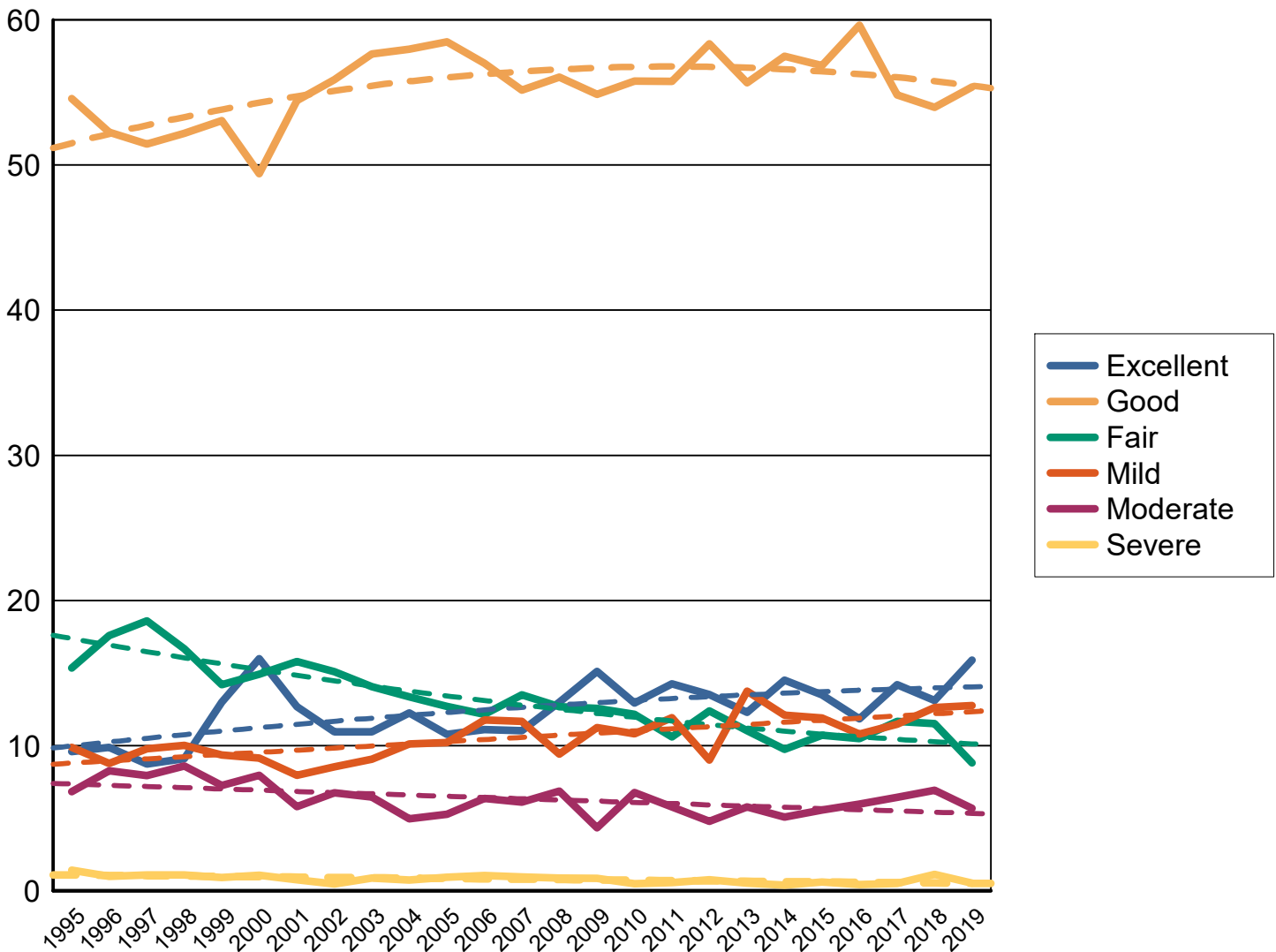
*Dysplastic rank, all breeds with more than 100 cases*

		<i>Normals</i>		<i>Equivocal or Carrier</i>		<i>Abnormal</i>	
Hips	33 of 191	79432	78.23%	1631	1.61%	20472	20.16%
Elbow	3 of 135	13576	61.07%	90	0.40%	8563	38.52%
Congenital Cardiac		9194	99.28%	35	0.38%	32	0.35%
Thyroid		1166	87.80%	131	9.86%	31	2.33%
Baer Hearing Test		5	100.00%	0		0	
Degenerative Myelopathy		128	96.97%	2	1.52%	2	1.52%
X-Linked Myotubular Myopathy		18	100.00%	0		0	
Leukoencephalomyelopathy		21	87.50%	3	12.50%	0	
Ovc Elbows		63	100.00%	0		0	
Advanced Cardiac		1119	97.22%	17	1.48%	15	1.30%
Von Willebrands		1	100.00%	0		0	
Von Willebrands Cornell Blood Assa		5	100.00%	0		0	
Int'L Elbow Registry		14	82.35%	0		3	17.65%
Shoulder		92	96.84%	0		3	3.16%
Dentition Database		2249	98.81%	0		27	1.19%
Legg-Calve-Perthes		30	100.00%	0		0	
Mizzou Biomarker Study		2	100.00%	0		0	
OFA EYE Registry		3443	96.28%	0		133	3.72%
Juvenile Laryngeal Paralysis & Poly		3870	84.81%	679	14.88%	14	0.31%
Patella		1247	99.36%	0		8	0.64%
Spinocerebellar Ataxia		2	100.00%	0		0	
Spine		1	0.21%	0		485	99.79%
Neuroaxonal Dystrophy		20	95.24%	1	4.76%	0	
Int'L Hip Registry		17	100.00%	0		0	
Ovc Hips		53	100.00%	0		0	

D Locus	2	100.00%	0	0
Basic Cardiac	130	100.00%	0	0
Hyperuricosuria	4	100.00%	0	0
Int'L Ophthalmological Exam	1	100.00%	0	0

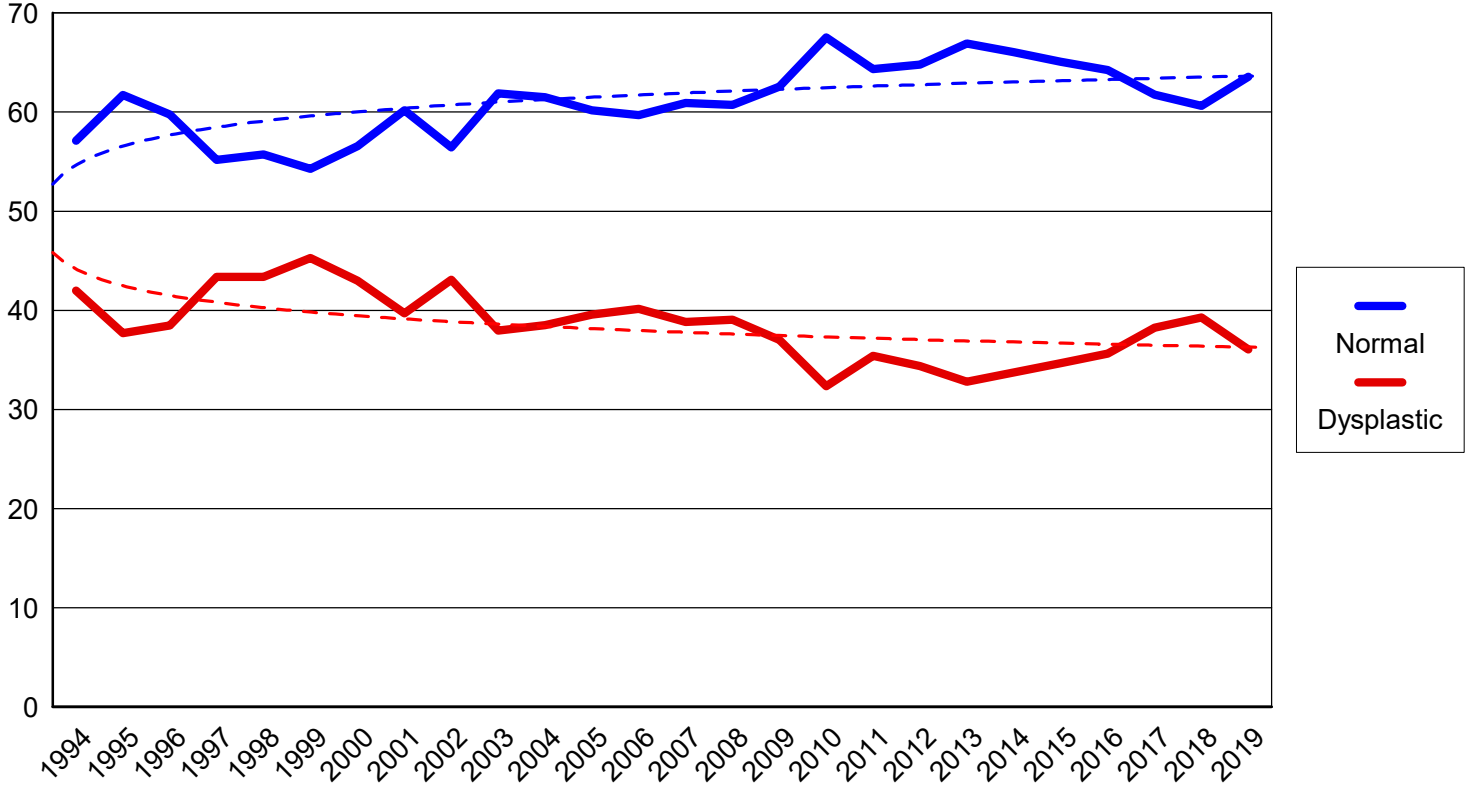
ROTTWEILER

Hip percentages by rating with trendlines



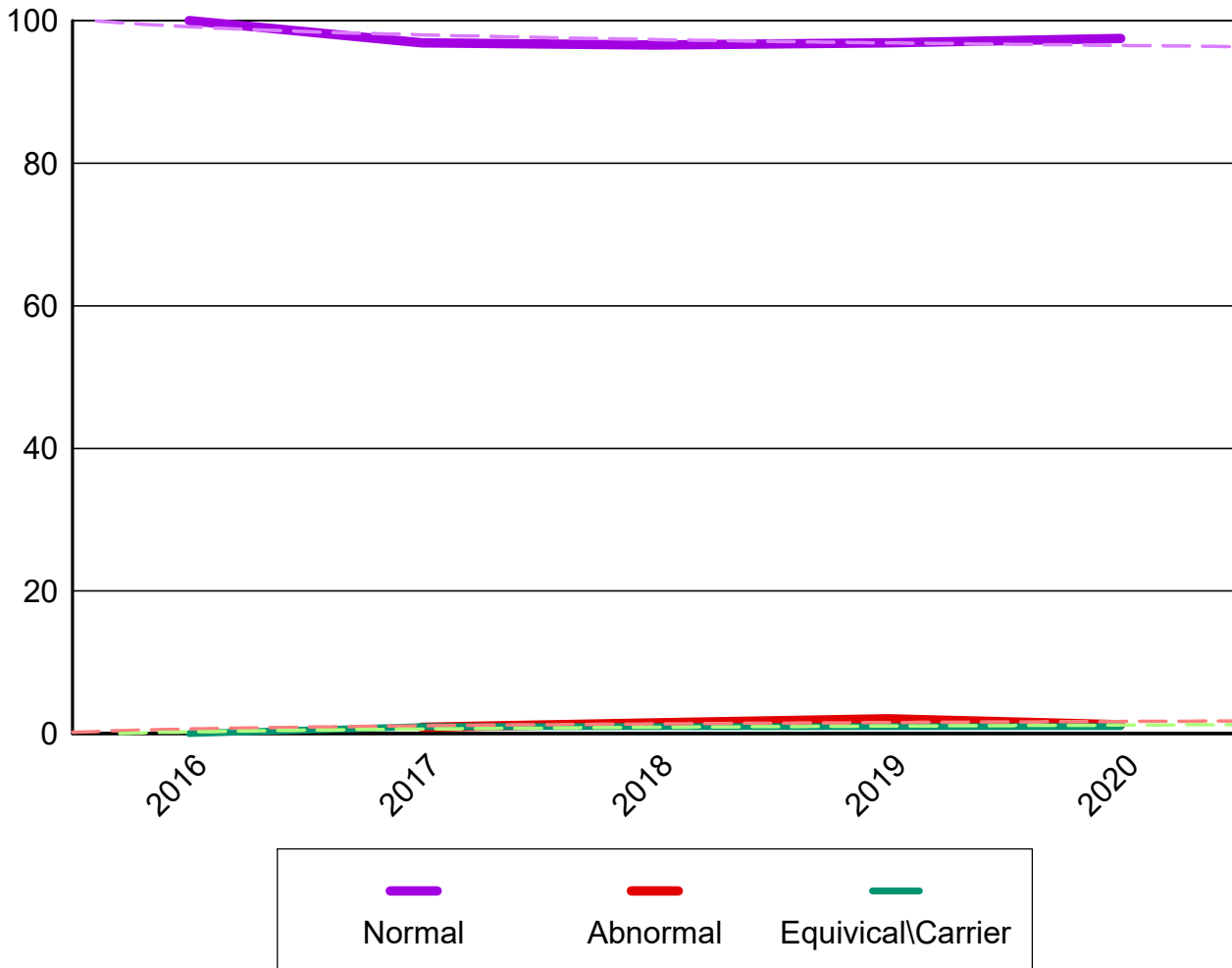
# ROTTWEILER

## Elbow percentages by rating with trendlines



ADVANCED CARDIAC

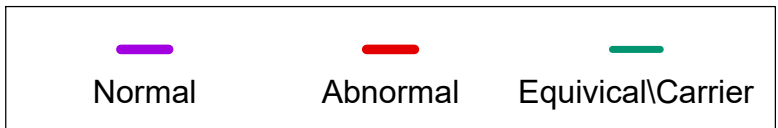
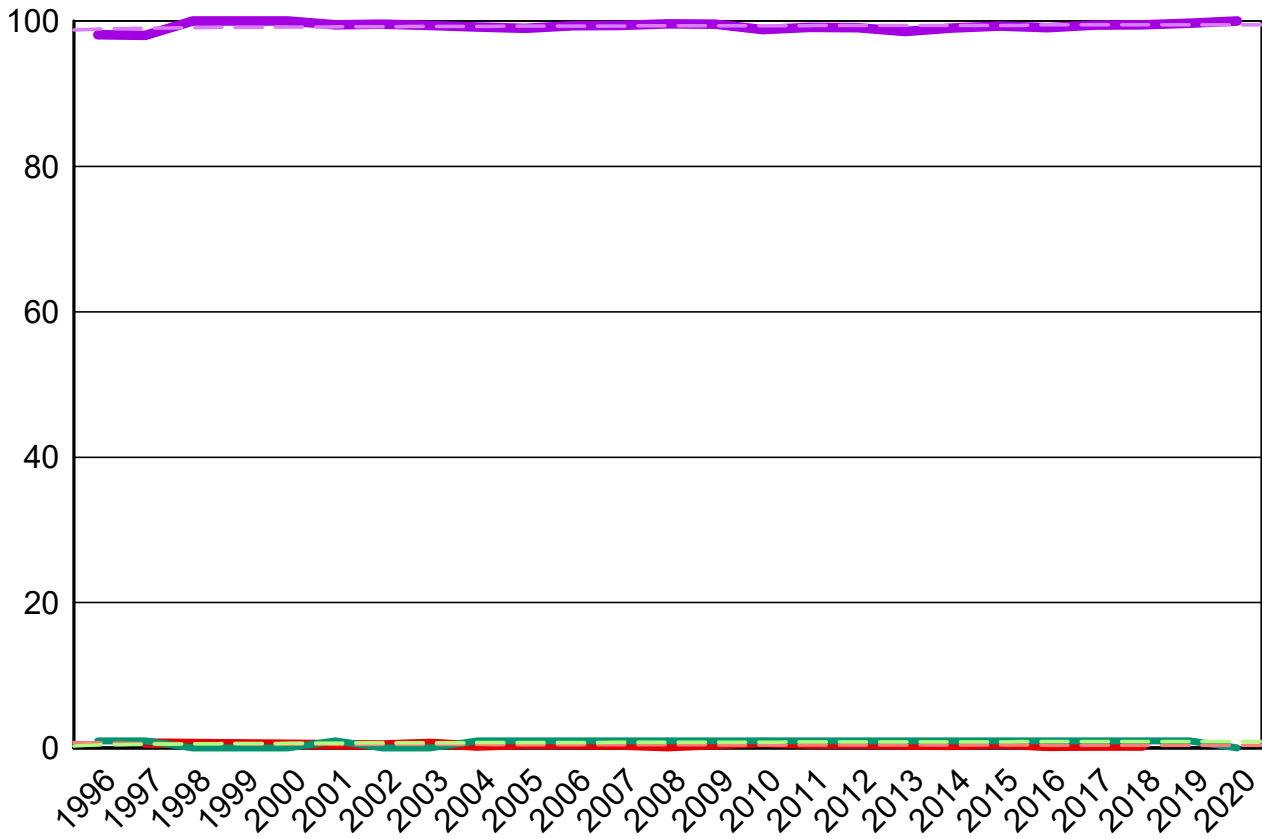
ROTTWEILER



ROTTWEILER

CONGENITAL CARDIAC

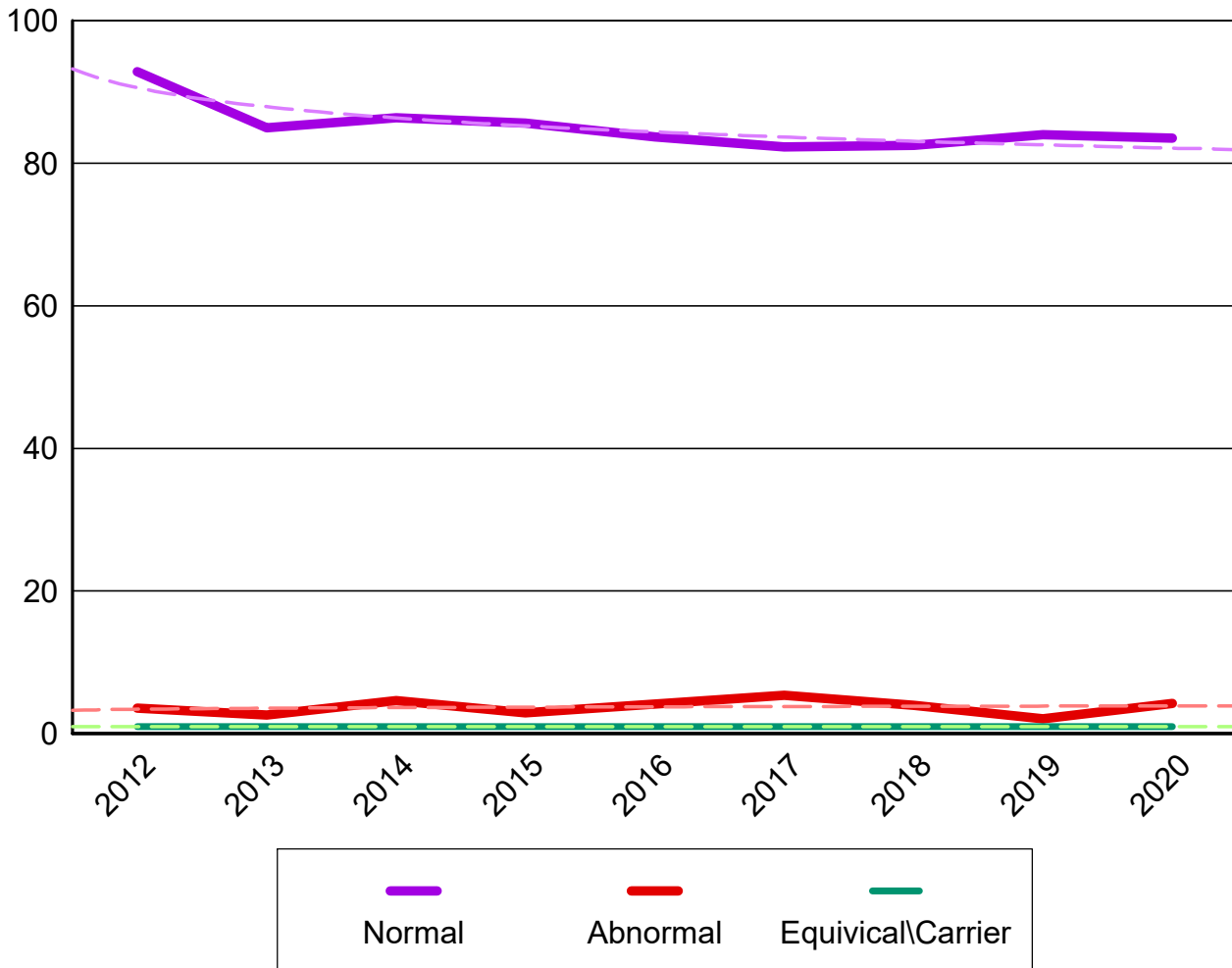
ROTTWEILER



ROTTWEILER

EYES

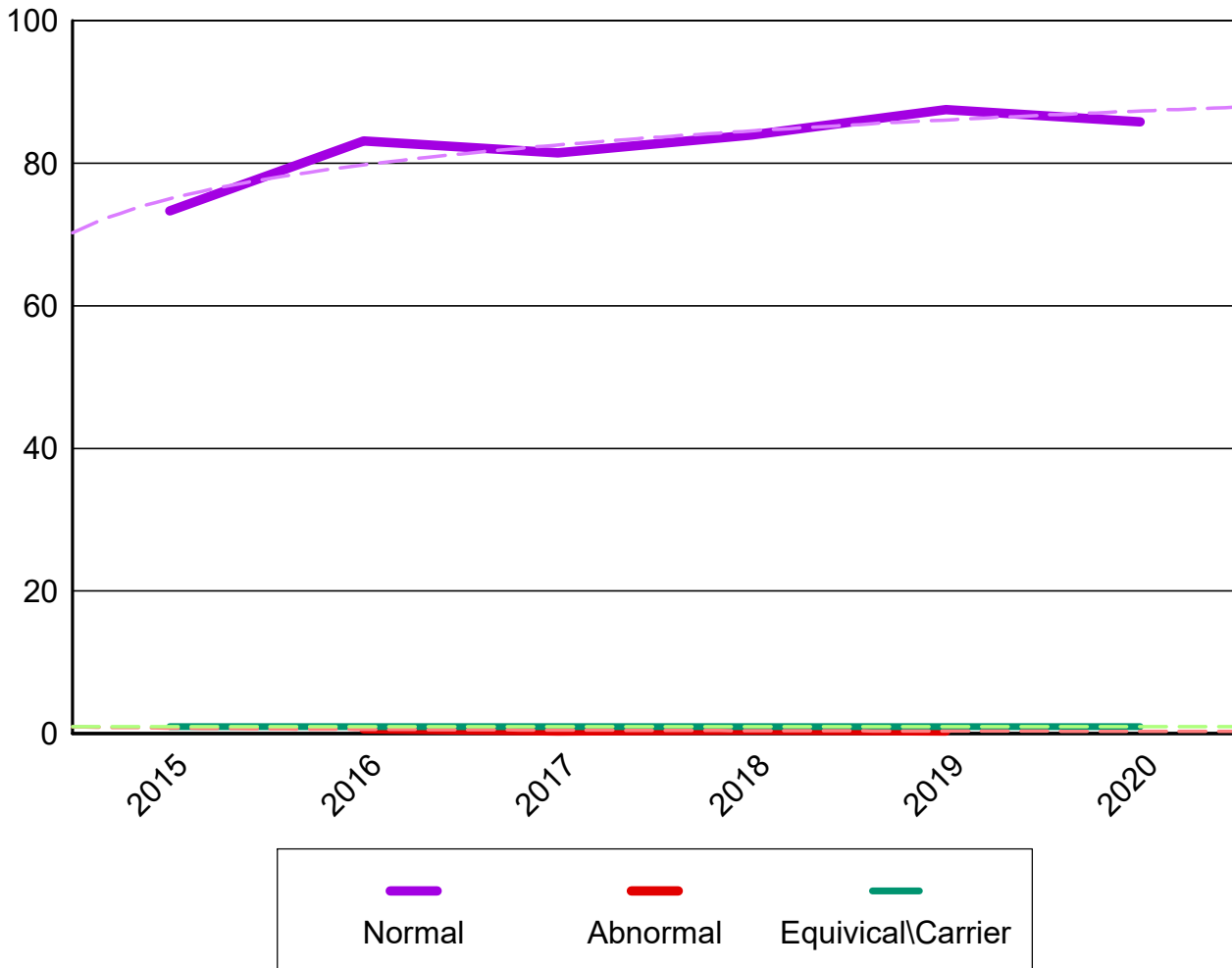
ROTTWEILER



ROTTWEILER

JUVENILE LARYNGEAL PARALYSIS & POLYNEI

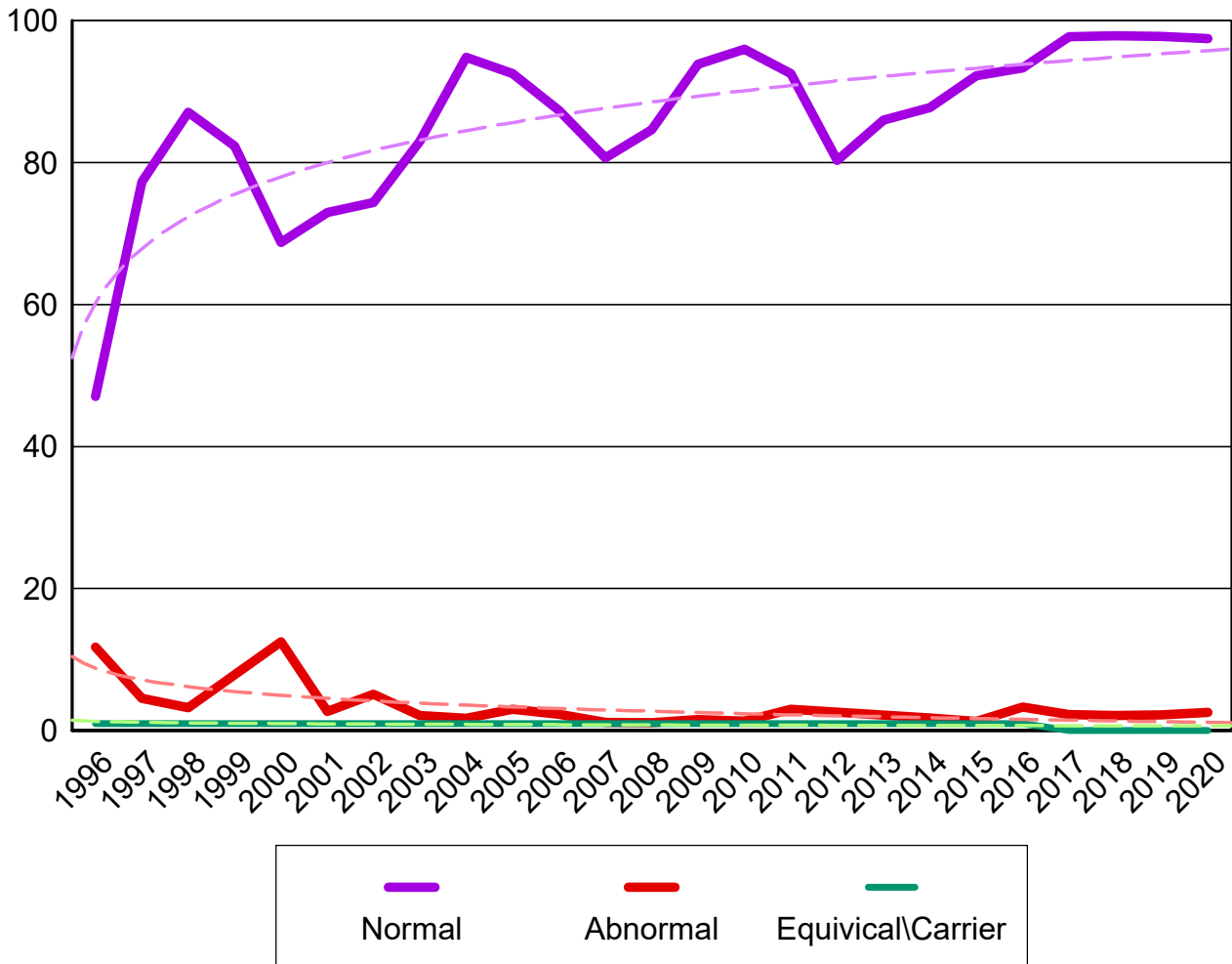
ROTTWEILER



ROTTWEILER

THYROID

ROTTWEILER





**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	81	4 4.94%	34 41.98%	10 12.35%	0	19 23.46%	11 13.58%	3 3.70%
1975	170	13 7.65%	86 50.59%	39 22.94%	0	19 11.18%	12 7.06%	1 0.59%
1976	259	23 8.88%	130 50.19%	39 15.06%	0	39 15.06%	24 9.27%	4 1.54%
1977	322	23 7.14%	167 51.86%	60 18.63%	0	39 12.11%	29 9.01%	4 1.24%
1978	468	17 3.63%	259 55.34%	84 17.95%	8 1.71%	33 7.05%	61 13.03%	6 1.28%
1979	538	25 4.65%	299 55.58%	96 17.84%	7 1.30%	47 8.74%	55 10.22%	9 1.67%
1980	699	22 3.15%	355 50.79%	127 18.17%	25 3.58%	57 8.15%	92 13.16%	21 3.00%
1981	1,063	38 3.57%	563 52.96%	156 14.68%	27 2.54%	87 8.18%	164 15.43%	28 2.63%
1982	1,312	49 3.73%	705 53.73%	217 16.54%	35 2.67%	111 8.46%	161 12.27%	34 2.59%
1983	1,605	42 2.62%	863 53.77%	323 20.12%	37 2.31%	137 8.54%	169 10.53%	34 2.12%
1984	2,357	96 4.07%	1,261 53.48%	475 20.14%	25 1.06%	208 8.82%	253 10.73%	39 1.65%
1985	2,859	146 5.09%	1,531 53.42%	534 18.63%	34 1.19%	255 8.90%	308 10.75%	51 1.78%
1986	3,374	179 5.30%	1,750 51.79%	639 18.91%	38 1.12%	330 9.77%	378 11.19%	60 1.78%
1987	4,099	219 5.33%	2,101 51.17%	738 17.97%	50 1.22%	444 10.81%	457 11.13%	90 2.19%
1988	4,506	320 7.09%	2,238 49.59%	789 17.48%	65 1.44%	515 11.41%	484 10.72%	95 2.11%
1989	4,947	379 7.65%	2,513 50.75%	809 16.34%	72 1.45%	525 10.60%	548 11.07%	101 2.04%
1990	5,457	378 6.91%	2,801 51.23%	974 17.82%	108 1.98%	546 9.99%	547 10.01%	103 1.88%
1991	5,527	463 8.36%	2,725 49.21%	970 17.52%	92 1.66%	623 11.25%	546 9.86%	108 1.95%
1992	5,960	406 6.81%	3,067 51.42%	1,138 19.08%	110 1.84%	591 9.91%	522 8.75%	126 2.11%
1993	5,764	364 6.30%	3,237 56.05%	956 16.55%	108 1.87%	519 8.99%	493 8.54%	87 1.51%
1994	5,617	498 8.85%	3,160 56.17%	836 14.86%	117 2.08%	519 9.23%	421 7.48%	66 1.17%
1995	5,358	515 9.58%	2,935 54.57%	825 15.34%	107 1.99%	532 9.89%	367 6.82%	77 1.43%

**Percent submitted to the open registry**

**Hips**

Report year	Cases	Excellent %	Good %	Fair %	Borderline %	Mild %	Moderate %	Severe %
1996	4,672	463 9.87%	2,452 52.26%	825 17.58%	85 1.81%	412 8.78%	388 8.27%	47 1.00%
1997	3,689	323 8.73%	1,904 51.45%	688 18.59%	78 2.11%	362 9.78%	294 7.94%	40 1.08%
1998	2,961	270 9.11%	1,547 52.18%	494 16.66%	66 2.23%	297 10.02%	255 8.60%	32 1.08%
1999	2,311	301 12.99%	1,230 53.06%	329 14.19%	45 1.94%	217 9.36%	168 7.25%	21 0.91%
2000	1,955	313 15.98%	968 49.41%	292 14.91%	26 1.33%	179 9.14%	156 7.96%	21 1.07%
2001	1,707 <b>9.88%</b>	217 12.69%	931 54.44%	270 15.79%	41 2.40%	136 7.95%	99 5.79%	13 0.76%
2002	1,494 <b>15.95%</b>	164 10.95%	837 55.87%	226 15.09%	31 2.07%	128 8.54%	101 6.74%	7 0.47%
2003	1,379 <b>15.81%</b>	151 10.95%	795 57.65%	194 14.07%	13 0.94%	125 9.06%	89 6.45%	12 0.87%
2004	1,353 <b>21.42%</b>	166 12.26%	785 57.98%	181 13.37%	7 0.52%	137 10.12%	67 4.95%	10 0.74%
2005	1,291 <b>22.77%</b>	139 10.77%	755 58.48%	164 12.70%	21 1.63%	132 10.22%	68 5.27%	12 0.93%
2006	1,241 <b>25.04%</b>	138 11.11%	708 57.00%	151 12.16%	6 0.48%	146 11.76%	79 6.36%	13 1.05%
2007	1,258 <b>27.30%</b>	139 11.03%	695 55.16%	170 13.49%	18 1.43%	147 11.67%	77 6.11%	12 0.95%
2008	1,254 <b>27.67%</b>	163 13.00%	703 56.06%	159 12.68%	14 1.12%	118 9.41%	86 6.86%	11 0.88%
2009	1,059 <b>27.67%</b>	160 15.11%	581 54.86%	133 12.56%	11 1.04%	119 11.24%	46 4.34%	9 0.85%
2010	1,036 <b>30.60%</b>	134 12.93%	578 55.79%	126 12.16%	11 1.06%	112 10.81%	70 6.76%	5 0.48%
2011	1,073 <b>31.28%</b>	153 14.25%	599 55.77%	114 10.61%	11 1.02%	128 11.92%	62 5.77%	6 0.56%
2012	1,065 <b>32.27%</b>	144 13.51%	622 58.35%	132 12.38%	12 1.13%	96 9.01%	51 4.78%	8 0.75%
2013	952 <b>27.42%</b>	117 12.29%	530 55.67%	105 11.03%	9 0.95%	131 13.76%	55 5.78%	5 0.53%
2014	1,025 <b>28.56%</b>	149 14.52%	590 57.50%	100 9.75%	6 0.58%	124 12.09%	52 5.07%	4 0.39%
2015	1,007 <b>32.44%</b>	136 13.49%	573 56.85%	108 10.71%	8 0.79%	120 11.90%	56 5.56%	6 0.60%
2016	954 <b>37.11%</b>	113 11.84%	569 59.64%	100 10.48%	8 0.84%	103 10.80%	57 5.97%	4 0.42%
2017	994 <b>31.09%</b>	141 14.19%	545 54.83%	116 11.67%	9 0.91%	114 11.47%	64 6.44%	5 0.50%
2018	1,069 <b>33.30%</b>	140 13.10%	577 53.98%	123 11.51%	8 0.75%	135 12.63%	74 6.92%	12 1.12%

**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	1,144	182	634	101	10	146	65	6
	<b>31.62%</b>	15.90%	55.37%	8.82%	0.87%	12.75%	5.68%	0.52%
2020	1,246	190	663	117	12	167	83	14
	<b>29.73%</b>	15.22%	53.13%	9.38%	0.96%	13.38%	6.65%	1.12%
<b>Totals</b>	<b>101,531</b>	<b>8,925</b>	<b>54,151</b>	<b>16,352</b>	<b>1,631</b>	<b>10,226</b>	<b>8,764</b>	<b>1,482</b>
		<b>8.78%</b>	<b>53.25%</b>	<b>16.08%</b>	<b>1.60%</b>	<b>10.06%</b>	<b>8.62%</b>	<b>1.46%</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>
1989	2	2 100.00%				
1990	154	93 60.39%	45 29.22%	10 6.49%	6 3.90%	
1991	253	152 60.08%	76 30.04%	20 7.91%	5 1.98%	
1992	336	168 50.00%	118 35.12%	44 13.10%	2 0.60%	4 1.19%
1993	482	290 60.17%	132 27.39%	48 9.96%	10 2.07%	2 0.41%
1994	667	381 57.12%	203 30.43%	65 9.75%	12 1.80%	6 0.90%
1995	695	429 61.73%	189 27.19%	59 8.49%	14 2.01%	4 0.58%
1996	743	444 59.76%	203 27.32%	72 9.69%	11 1.48%	13 1.75%
1997	685	378 55.18%	220 32.12%	66 9.64%	11 1.61%	10 1.46%
1998	671	374 55.74%	221 32.94%	56 8.35%	14 2.09%	6 0.89%
1999	658	357 54.26%	208 31.61%	73 11.09%	17 2.58%	3 0.46%
2000	663	375 56.56%	230 34.69%	45 6.79%	10 1.51%	3 0.45%
2001	640	385 60.16%	186 29.06%	57 8.91%	11 1.72%	1 0.16%
2002	636	359 56.45%	206 32.39%	59 9.28%	9 1.42%	3 0.47%
2003	661	409 61.88%	203 30.71%	45 6.81%	3 0.45%	1 0.15%
2004	722	444 61.50%	210 29.09%	59 8.17%	9 1.25%	
2005	763	459 60.16%	221 28.96%	72 9.44%	9 1.18%	2 0.26%
2006	737	440 59.70%	244 33.11%	44 5.97%	8 1.09%	1 0.14%
2007	801	488 60.92%	243 30.34%	58 7.24%	10 1.25%	2 0.25%
2008	863	524 60.72%	258 29.90%	68 7.88%	11 1.27%	2 0.23%
2009	764	478 62.57%	226 29.58%	50 6.54%	7 0.92%	3 0.39%

**Elbow**

<i>Report Year</i>	<i>Cases</i>	<i>Normal</i> <i>%</i>	<i>Grade 1</i> <i>%</i>	<i>Grade 2</i> <i>%</i>	<i>Grade 3</i> <i>%</i>	<i>Borderline</i> <i>%</i>
2010	776	524 67.53%	189 24.36%	53 6.83%	9 1.16%	1 0.13%
2011	813	523 64.33%	224 27.55%	51 6.27%	13 1.60%	2 0.25%
2012	849	550 64.78%	243 28.62%	40 4.71%	9 1.06%	7 0.82%
2013	768	514 66.93%	198 25.78%	50 6.51%	4 0.52%	2 0.26%
2014	836	552 66.03%	230 27.51%	47 5.62%	5 0.60%	2 0.24%
2015	822	535 65.09%	214 26.03%	59 7.18%	12 1.46%	2 0.24%
2016	811	521 64.24%	208 25.65%	63 7.77%	18 2.22%	1 0.12%
2017	850	525 61.76%	247 29.06%	68 8.00%	10 1.18%	
2018	942	571 60.62%	284 30.15%	77 8.17%	9 0.96%	1 0.11%
2019	1,015	645 63.55%	271 26.70%	89 8.77%	6 0.59%	4 0.39%
2020	1,147	685 59.72%	373 32.52%	77 6.71%	10 0.87%	2 0.17%
<b>Totals</b>	<b>22,225</b>	<b>13,574</b> <b>61.08%</b>	<b>6,523</b> <b>29.35%</b>	<b>1,744</b> <b>7.85%</b>	<b>294</b> <b>1.32%</b>	<b>90</b> <b>0.40%</b>

### Advanced Cardiac

<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>Rottweiler</b>							
2016	129	129	100.0				
2017	226	219	96.9	2	0.9	5	2.2
2018	263	254	96.6	4	1.5	5	1.9
2019	288	279	96.9	6	2.1	3	1.0
2020	242	236	97.5	3	1.2	3	1.2
<b>Totals</b>	<b>1148</b>	<b>1117</b>	<b>97.3</b>	<b>15</b>	<b>1.3</b>	<b>16</b>	<b>1.4</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>Rottweiler</b>							
2005	1	1	100.0				
2007	1	1	100.0				
2010	1	1	100.0				
2017	1	1	100.0				
2019	1	1	100.0				
<b>Totals</b>	<b>5</b>	<b>5</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>Rottweiler</b>							
1996	106	104	98.1			2	1.9
1997	153	150	98.0	1	0.7	2	1.3
1998	131	131	100.0				
1999	191	191	100.0				
2000	180	180	100.0				
2001	193	192	99.5			1	0.5
2002	237	236	99.6	1	0.4		
2003	322	320	99.4	2	0.6		
2004	360	357	99.2	1	0.3	2	0.6
2005	397	393	99.0	2	0.5	2	0.5
2006	462	459	99.4	2	0.4	1	0.2
2007	495	492	99.4	2	0.4	1	0.2
2008	541	539	99.6	1	0.2	1	0.2
2009	484	482	99.6			2	0.4
2010	511	505	98.8	4	0.8	2	0.4
2011	567	562	99.1	3	0.5	2	0.4
2012	539	534	99.1	3	0.6	2	0.4
2013	482	475	98.6	2	0.4	5	1.0
2014	532	527	99.1	2	0.4	3	0.6
2015	560	556	99.3	3	0.5	1	0.2
2016	446	442	99.1	1	0.2	3	0.7
2017	346	344	99.4	1	0.3	1	0.3
2018	370	368	99.5	1	0.3	1	0.3
2019	361	360	99.7			1	0.3
2020	289	289	100.0				
<b>Totals</b>	<b>9255</b>	<b>9188</b>	<b>99.3</b>	<b>32</b>	<b>0.4</b>	<b>35</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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#### Rottweiler

2018	2	2	100.0		
<b>Totals</b>	<b>2</b>	<b>2</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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#### Rottweiler

2008	2	1	50.0			1	50.0
2009	2	2	100.0				
2010	6	5	83.3			1	16.7
2011	6	6	100.0				
2012	5	5	100.0				
2013	8	7	87.5	1	12.5		
2014	8	8	100.0				
2015	14	13	92.9	1	7.1		
2016	14	14	100.0				
2017	17	17	100.0				
2018	8	8	100.0				
2019	14	14	100.0				
2020	28	28	100.0				
<b>Totals</b>	<b>132</b>	<b>128</b>	<b>97.0</b>	<b>2</b>	<b>1.5</b>	<b>2</b>	<b>1.5</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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#### Rottweiler

2011	5	5	100.0				
2012	300	299	99.7	1	0.3		
2013	226	219	96.9	7	3.1		
2014	243	239	98.4	4	1.7		
2015	206	205	99.5	1	0.5		
2016	258	256	99.2	2	0.8		
2017	242	241	99.6	1	0.4		
2018	276	275	99.6	1	0.4		
2019	290	283	97.6	7	2.4		
2020	230	227	98.7	3	1.3		
<b>Totals</b>	<b>2276</b>	<b>2249</b>	<b>98.8</b>	<b>27</b>	<b>1.2</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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#### Rottweiler

2012	28	26	92.9	1	3.6	1	3.6
2013	306	260	85.0	8	2.6	38	12.4
2014	433	374	86.4	20	4.6	39	9.0

### 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>
2015	481	412	85.7	14	2.9	55	11.4
2016	484	405	83.7	20	4.1	59	12.2
2017	429	353	82.3	23	5.4	53	12.4
2018	480	396	82.5	19	4.0	65	13.5
2019	532	447	84.0	11	2.1	74	13.9
2020	401	335	83.5	17	4.2	49	12.2
<b>Totals</b>	<b>3574</b>	<b>3008</b>	<b>84.2</b>	<b>133</b>	<b>3.7</b>	<b>433</b>	<b>12.1</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>Rottweiler</b>							
2020	4	4	100.0				
<b>Totals</b>	<b>4</b>	<b>4</b>	<b>100.0</b>				

### Juvenile Laryngeal Paralysis & Polyneuropathy (Lpp)

<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>Rottweiler</b>							
2015	15	11	73.3			4	26.7
2016	154	128	83.1	1	0.7	25	16.2
2017	1100	896	81.5	4	0.4	200	18.2
2018	780	655	84.0	4	0.5	121	15.5
2019	1385	1212	87.5	5	0.4	168	12.1
2020	1128	968	85.8			160	14.2
<b>Totals</b>	<b>4562</b>	<b>3870</b>	<b>84.8</b>	<b>14</b>	<b>0.3</b>	<b>678</b>	<b>14.9</b>

### Legg-Calve-Perthes

<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>Rottweiler</b>							
2007	2	2	100.0				
2008	3	3	100.0				
2009	1	1	100.0				
2010	1	1	100.0				
2012	1	1	100.0				
2013	1	1	100.0				
2014	2	2	100.0				
2017	3	3	100.0				
2018	4	4	100.0				
2019	2	2	100.0				
2020	10	10	100.0				
<b>Totals</b>	<b>30</b>	<b>30</b>	<b>100.0</b>				



**Leukoencephalomyelopathy**

<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>Rottweiler</b>							
2020	24	21	87.5			3	12.5
<b>Totals</b>	<b>24</b>	<b>21</b>	<b>87.5</b>			<b>3</b>	<b>12.5</b>

**Neuroaxonal 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>Rottweiler</b>							
2020	21	20	95.2			1	4.8
<b>Totals</b>	<b>21</b>	<b>20</b>	<b>95.2</b>			<b>1</b>	<b>4.8</b>

**Patella**

<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>Rottweiler</b>							
1994	1	1	100.0				
1995	6	6	100.0				
1996	6	6	100.0				
1997	9	9	100.0				
1998	10	9	90.0	1	10.0		
1999	12	12	100.0				
2000	5	5	100.0				
2001	9	8	88.9	1	11.1		
2002	4	4	100.0				
2003	13	13	100.0				
2004	25	25	100.0				
2005	28	28	100.0				
2006	47	47	100.0				
2007	62	60	96.8	2	3.2		
2008	48	48	100.0				
2009	37	37	100.0				
2010	47	45	95.7	2	4.3		
2011	55	55	100.0				
2012	83	83	100.0				
2013	52	52	100.0				
2014	50	50	100.0				
2015	67	67	100.0				
2016	104	104	100.0				
2017	93	93	100.0				
2018	129	129	100.0				
2019	129	129	100.0				
2020	124	122	98.4	2	1.6		
<b>Totals</b>	<b>1255</b>	<b>1247</b>	<b>99.4</b>	<b>8</b>	<b>0.6</b>		

**Shoulder**

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>
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### Shoulder

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>
<b>Rottweiler</b>					
1990	1			1	100.0
1992	1	1	100.0		
1997	2			2	100.0
2005	11	11	100.0		
2006	1	1	100.0		
2007	4	4	100.0		
2008	7	7	100.0		
2009	1	1	100.0		
2010	8	8	100.0		
2011	3	3	100.0		
2012	2	2	100.0		
2013	5	5	100.0		
2014	2	2	100.0		
2015	5	5	100.0		
2016	5	5	100.0		
2017	9	9	100.0		
2018	11	11	100.0		
2019	3	3	100.0		
2020	14	14	100.0		
<b>Totals</b>	<b>95</b>	<b>92</b>	<b>96.8</b>	<b>3</b>	<b>3.2</b>

### Spinocerebellar Ataxia

<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>Rottweiler</b>							
2016	2	2	100.0				
<b>Totals</b>	<b>2</b>	<b>2</b>	<b>100.0</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>Rottweiler</b>							
1996	17	8	47.1	2	11.8	7	41.2
1997	22	17	77.3	1	4.6	4	18.2
1998	31	27	87.1	1	3.2	3	9.7
1999	17	14	82.4			3	17.7
2000	32	22	68.8	4	12.5	6	18.8
2001	37	27	73.0	1	2.7	9	24.3
2002	39	29	74.4	2	5.1	8	20.5
2003	47	39	83.0	1	2.1	7	14.9
2004	58	55	94.8	1	1.7	2	3.5
2005	67	62	92.5	2	3.0	3	4.5
2006	87	76	87.4	2	2.3	9	10.3
2007	88	71	80.7	1	1.1	16	18.2
2008	91	77	84.6	1	1.1	13	14.3
2009	65	61	93.9	1	1.5	3	4.6
2010	74	71	96.0	1	1.4	2	2.7
2011	67	62	92.5	2	3.0	3	4.5

### 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>
2012	66	53	80.3			13	19.7
2013	50	43	86.0			7	14.0
2014	57	50	87.7	1	1.8	6	10.5
2015	77	71	92.2	1	1.3	5	6.5
2016	60	56	93.3	2	3.3	2	3.3
2017	44	43	97.7	1	2.3		
2018	47	46	97.9	1	2.1		
2019	45	44	97.8	1	2.2		
2020	39	38	97.4	1	2.6		
<b>Totals</b>	<b>1324</b>	<b>1162</b>	<b>87.8</b>	<b>31</b>	<b>2.3</b>	<b>131</b>	<b>9.9</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>Rottweiler</b>							
2020	1	1	100.0				
<b>Totals</b>	<b>1</b>	<b>1</b>	<b>100.0</b>				