

All data as of 12-31-2017

	<i>Dysplastic rank, all breeds with more than 100 cases</i>	<i>Normals</i>		<i>Equival or Carrier</i>		<i>Abnormal</i>		
<b>HIPS</b>	<b>1 of 178</b>	205	29.71%	7	1.01%	478	69.28%	<b>CHIC required</b>
ELBOW	2 of 118	111	59.36%	1	0.53%	75	40.11%	
CARDIAC		244	100.00%	0		0		
THYROID		27	77.14%	7	20.00%	1	2.86%	
TRACHEAL HYPOPLASIA		5	100.00%	0		0		
ADVANCED CARDIAC		11	100.00%	0		0		
SHOULDER		1	100.00%	0		0		
SERUM BILE ACID		2	100.00%	0		0		
SPINE		3	11.11%	0		24	88.89%	
DENTITION DATABASE		11	100.00%	0		0		
<b>OFA EYE Registry</b>		317	97.54%	0		8	2.46%	<b>CHIC required</b>
LEGG-CALVE-PERTHES		92	98.92%	0		1	1.08%	
<b>NECROTIZING MENINGOENCEPHALITIS</b>		349	75.87%	105	22.83%	6	1.30%	<b>CHIC required</b>
PYRUVATE KINASE DEFICIENCY		34	100.00%	0		0		
BAER HEARING TEST		1	100.00%	0		0		
<b>PATELLA</b>		777	94.99%	0		41	5.01%	<b>CHIC required</b>
DEGENERATIVE MYELOPATHY		270	55.33%	161	32.99%	57	11.68%	

**Percent submitted to the open registry**

**HIPS**

Report year	Cases	Excellent %	Good %	Fair %	Borderline %	Mild %	Moderate %	Severe %
1979	2					1 50.00%	1 50.00%	
1986	3		1 33.33%			1 33.33%	1 33.33%	
1987	6		1 16.67%				3 50.00%	2 33.33%
1988	6		3 50.00%			2 33.33%	1 16.67%	
1990	7			1 14.29%		2 28.57%	2 28.57%	2 28.57%
1991	2					2 100.00%		
1992	7			1 14.29%		4 57.14%	2 28.57%	
1993	6		1 16.67%	1 16.67%		1 16.67%	3 50.00%	
1994	3		1 33.33%				1 33.33%	1 33.33%
1995	5		1 20.00%	1 20.00%	1 20.00%		2 40.00%	
1996	8		1 12.50%	2 25.00%		3 37.50%	2 25.00%	
1997	26	7.69%	6 23.08%	4 15.38%		9 34.62%	5 19.23%	2 7.69%
1998	26	7.69%	3 11.54%	5 19.23%		11 42.31%	6 23.08%	1 3.85%
1999	45		9 20.00%	11 24.44%	1 2.22%	17 37.78%	6 13.33%	
2000	23	8.70%	1 4.35%	10 43.48%		7 30.43%	5 21.74%	
2001	23	43.48%	2 8.70%	9 39.13%	2 8.70%	5 21.74%	3 13.04%	2 8.70%
2002	25	40.00%	1 4.00%	5 20.00%	1 4.00%	10 40.00%	7 28.00%	1 4.00%
2003	20	40.00%	6 30.00%	8 40.00%		1 5.00%	4 20.00%	1 5.00%
2004	40	25.00%	3 7.50%	7 17.50%		16 40.00%	12 30.00%	2 5.00%
2005	36	41.67%	3 8.33%	7 19.44%		18 50.00%	6 16.67%	2 5.56%
2006	18	50.00%		4 22.22%		6 33.33%	8 44.44%	
2007	21	52.38%	3 14.29%	7 33.33%		7 33.33%	2 9.52%	2 9.52%

**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> %
2008	14		3			6	5	
	<b>50.00%</b>		21.43%			42.86%	35.71%	
2009	13					7	4	2
	<b>69.23%</b>					53.85%	30.77%	15.38%
2010	16		2	2		5	6	1
	<b>43.75%</b>		12.50%	12.50%		31.25%	37.50%	6.25%
2011	35		1	4		16	10	4
	<b>71.43%</b>		2.86%	11.43%		45.71%	28.57%	11.43%
2012	42		3	6		18	15	
	<b>78.57%</b>		7.14%	14.29%		42.86%	35.71%	
2013	44		2	7		21	12	2
	<b>70.45%</b>		4.55%	15.91%		47.73%	27.27%	4.55%
2014	38		1	8		13	15	1
	<b>60.53%</b>		2.63%	21.05%		34.21%	39.47%	2.63%
2015	31		1	7	1	13	6	3
	<b>74.19%</b>		3.23%	22.58%	3.23%	41.94%	19.35%	9.68%
2016	50		5	6		25	13	1
	<b>52.00%</b>		10.00%	12.00%		50.00%	26.00%	2.00%
2017	44		6	9		17	11	1
	<b>54.55%</b>		13.64%	20.45%		38.64%	25.00%	2.27%
<b>Totals</b>	<b>690</b>		<b>72</b>	<b>133</b>	<b>6</b>	<b>265</b>	<b>179</b>	<b>34</b>
			<b>10.43%</b>	<b>19.28%</b>	<b>0.87%</b>	<b>38.41%</b>	<b>25.94%</b>	<b>4.93%</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> %
1994	1				1 100.00%	
1995	1			1 100.00%		
1997	1	1 100.00%				
1998	4	2 50.00%	2 50.00%			
1999	5		3 60.00%		1 20.00%	1 20.00%
2000	6	4 66.67%	1 16.67%	1 16.67%		
2001	9	3 33.33%	3 33.33%	3 33.33%		
2002	4	2 50.00%	2 50.00%			
2003	4	3 75.00%	1 25.00%			
2004	17	5 29.41%	6 35.29%	6 35.29%		
2005	13	4 30.77%	4 30.77%	5 38.46%		
2006	8	3 37.50%	1 12.50%	3 37.50%	1 12.50%	
2007	10	4 40.00%	4 40.00%	2 20.00%		
2008	8	4 50.00%	3 37.50%	1 12.50%		
2009	4	3 75.00%	1 25.00%			
2010	10	10 100.00%				
2011	6	6 100.00%				
2012	15	13 86.67%	1 6.67%	1 6.67%		
2013	12	9 75.00%	2 16.67%	1 8.33%		
2014	14	7 50.00%	6 42.86%	1 7.14%		
2015	5	4 80.00%	1 20.00%			

**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>
2016	18	13 72.22%	4 22.22%	1 5.56%		
2017	12	11 91.67%	1 8.33%			
<b>Totals</b>	<b>187</b>	<b>111 59.36%</b>	<b>46 24.60%</b>	<b>26 13.90%</b>	<b>3 1.60%</b>	<b>1 0.53%</b>

**BAER HEARING TEST**

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<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>
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**PUG**

2009	1	1	100.00				
<b>Totals</b>	<b>1</b>	<b>1</b>	<b>100.00</b>				

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**CARDIAC**

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<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>
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**PUG**

1999	1	1	100.00				
2003	2	2	100.00				
2004	5	5	100.00				
2005	4	4	100.00				
2006	4	4	100.00				
2007	4	4	100.00				
2008	9	9	100.00				
2009	12	12	100.00				
2010	18	18	100.00				
2011	27	27	100.00				
2012	12	12	100.00				
2013	30	30	100.00				
2014	23	23	100.00				
2015	17	17	100.00				
2016	32	32	100.00				
2017	44	44	100.00				
<b>Totals</b>	<b>244</b>	<b>244</b>	<b>100.00</b>				

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**DEGENERATIVE MYELOPATHY**

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<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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**PUG**

2009	5	3	60.00			2	40.00
2010	20	13	65.00	1	5.00	6	30.00
2011	45	29	64.44	3	6.67	13	28.89
2012	61	39	63.93	6	9.84	16	26.23
2013	44	23	52.27	6	13.64	15	34.09
2014	64	37	57.81	9	14.06	18	28.13
2015	74	40	54.05	9	12.16	25	33.78
2016	94	47	50.00	15	15.96	32	34.04
2017	81	39	48.15	8	9.88	34	41.98
<b>Totals</b>	<b>488</b>	<b>270</b>	<b>55.33</b>	<b>57</b>	<b>11.68</b>	<b>161</b>	<b>32.99</b>

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### DENTITION DATABASE

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

2016	11	11	100.00		
<b>Totals</b>	<b>11</b>	<b>11</b>	<b>100.00</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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#### PUG

2012	1	1	100.00				
2013	65	10	15.38	3	4.62	52	80.00
2014	48	15	31.25	2	4.17	31	64.58
2015	69	15	21.74	2	2.90	52	75.36
2016	75	26	34.67	1	1.33	48	64.00
2017	65	24	36.92			41	63.08
<b>Totals</b>	<b>323</b>	<b>91</b>	<b>28.17</b>	<b>8</b>	<b>2.48</b>	<b>224</b>	<b>69.35</b>

### LEGG-CALVE-PERTHES

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

2003	1	1	100.00		
2004	1	1	100.00		
2005	35	35	100.00		
2006	1	1	100.00		
2008	1	1	100.00		
2009	3	3	100.00		
2010	4	4	100.00		
2011	1			1	100.00
2012	2	2	100.00		
2013	3	3	100.00		
2014	12	12	100.00		
2015	5	5	100.00		
2016	11	11	100.00		
2017	13	13	100.00		
<b>Totals</b>	<b>93</b>	<b>92</b>	<b>98.92</b>	<b>1</b>	<b>1.08</b>

### NECROTIZING MENINGOENCEPHALITIS

<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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#### PUG

2010	1					1	100.00
2011	174	137	78.74	2	1.15	35	20.11

### NECROTIZING MENINGOENCEPHALITIS

<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>
2012	44	31	70.45	3	6.82	10	22.73
2013	56	43	76.79	1	1.79	12	21.43
2014	35	26	74.29			9	25.71
2015	64	46	71.88			18	28.13
2016	46	31	67.39			15	32.61
2017	40	35	87.50			5	12.50
<b>Totals</b>	<b>460</b>	<b>349</b>	<b>75.87</b>	<b>6</b>	<b>1.30</b>	<b>105</b>	<b>22.83</b>

### PATELLA

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

1994	1	1	100.00		
1995	2	2	100.00		
1996	7	5	71.43	2	28.57
1997	16	13	81.25	3	18.75
1998	22	21	95.45	1	4.55
1999	11	11	100.00		
2000	26	25	96.15	1	3.85
2001	19	18	94.74	1	5.26
2002	32	32	100.00		
2003	21	19	90.48	2	9.52
2004	56	49	87.50	7	12.50
2005	37	35	94.59	2	5.41
2006	23	19	82.61	4	17.39
2007	18	17	94.44	1	5.56
2008	18	18	100.00		
2009	22	22	100.00		
2010	34	33	97.06	1	2.94
2011	46	45	97.83	1	2.17
2012	48	47	97.92	1	2.08
2013	73	70	95.89	3	4.11
2014	63	60	95.24	3	4.76
2015	53	51	96.23	2	3.77
2016	78	73	93.59	5	6.41
2017	92	91	98.91	1	1.09
<b>Totals</b>	<b>818</b>	<b>777</b>	<b>94.99</b>	<b>41</b>	<b>5.01</b>

### PRIMARY LENS LUXATION

<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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#### PUG

2013	1					1	100.00
<b>Totals</b>	<b>1</b>					<b>1</b>	<b>100.00</b>



**PYRUVATE KINASE 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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**PUG**

2014	6	6	100.00				
2015	8	8	100.00				
2016	5	5	100.00				
2017	15	15	100.00				
<b>Totals</b>	<b>34</b>	<b>34</b>	<b>100.00</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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**PUG**

2016	1	1	100.00		
<b>Totals</b>	<b>1</b>	<b>1</b>	<b>100.00</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>
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**PUG**

1998	1					1	100.00
2001	2	1	50.00			1	50.00
2002	2	1	50.00			1	50.00
2003	2	2	100.00				
2004	4	3	75.00			1	25.00
2005	2	2	100.00				
2006	5	5	100.00				
2008	2	2	100.00				
2011	4	3	75.00			1	25.00
2012	2	2	100.00				
2013	2	1	50.00			1	50.00
2015	2	2	100.00				
2016	1	1	100.00				
2017	4	2	50.00	1	25.00	1	25.00
<b>Totals</b>	<b>35</b>	<b>27</b>	<b>77.14</b>	<b>1</b>	<b>2.86</b>	<b>7</b>	<b>20.00</b>

**TRACHEAL HYPOPLASIA**

<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>
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**PUG**

2012	1	1	100.00				
2016	3	3	100.00				

## TRACHEAL HYPOPLASIA

<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	100.00				
<b>Totals</b>	<b>5</b>	<b>5</b>	<b>100.00</b>				

