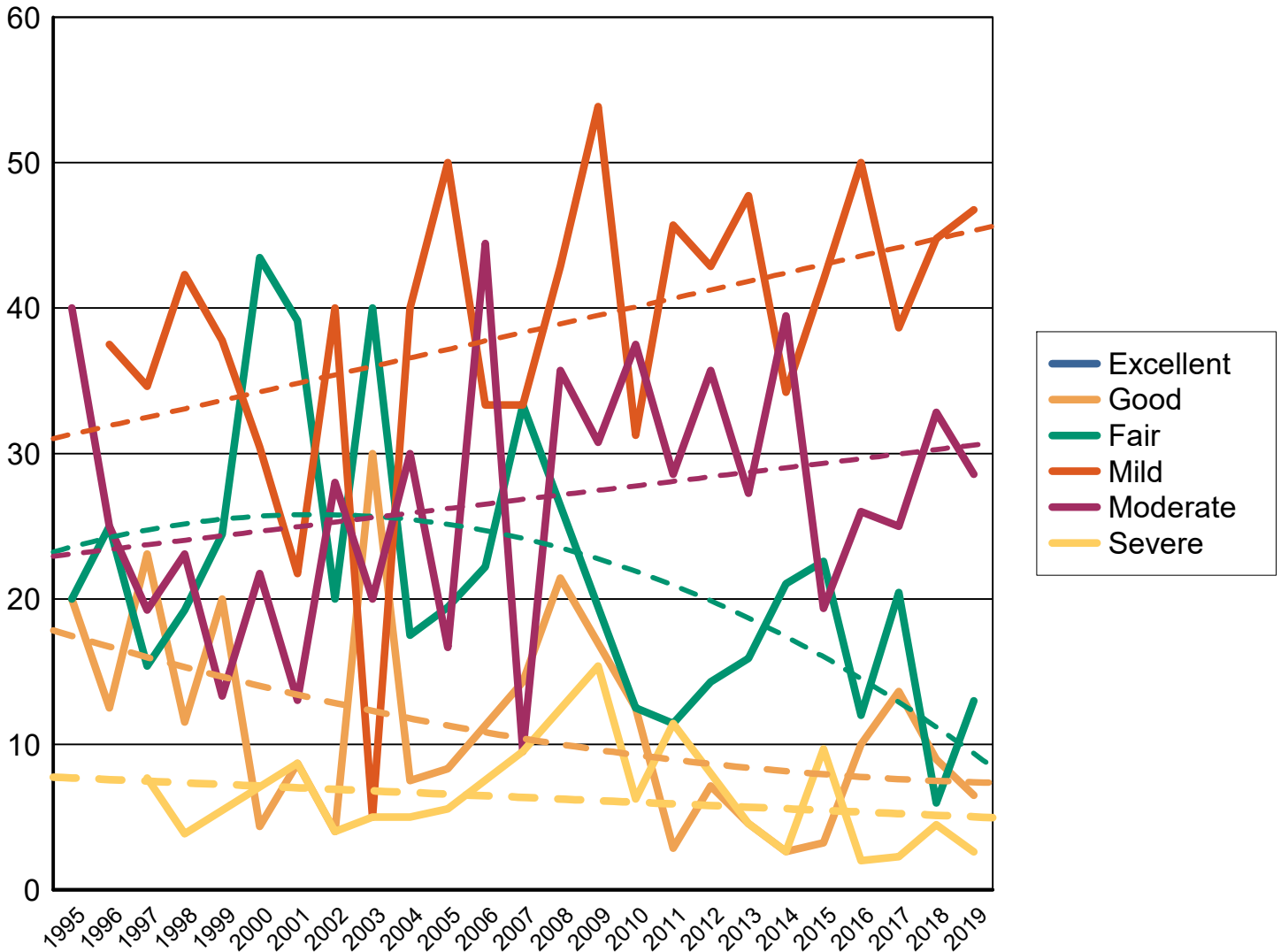


All data as of 12-31-2019

Dysplastic rank, all breeds with more than 100 cases

		Normals		Equivocal or Carrier		Abnormal	
Hips	1 of 186	229	28.38%	9	1.12%	569	70.51% CHIC required
Elbow	3 of 126	138	61.88%	1	0.45%	84	37.67%
Cardiac		322	100.00%	0		0	
Thyroid		28	73.68%	9	23.68%	1	2.63%
Tracheal Hypoplasia		22	70.97%	3	9.68%	6	19.35%
Serum Bile Acid		2	100.00%	0		0	
Spine		7	17.95%	0		32	82.05%
Dentition Database		19	100.00%	0		0	
Chondrodystrophy (Cddy)		1	100.00%	0		0	
Legg-Calve-Perthes		132	99.25%	0		1	0.75%
Advanced Cardiac		30	100.00%	0		0	
Shoulder		1	100.00%	0		0	
Necrotizing Meningoencephalitis		426	76.34%	126	22.58%	6	1.08% CHIC required
Phosphofructokinase Deficiency		1	100.00%	0		0	
OFA EYE Registry		462	97.47%	0		12	2.53% CHIC required
Degenerative Myelopathy		328	54.94%	198	33.17%	71	11.89%
Primary Lens Luxation		6	85.71%	1	14.29%	0	
Chondrodysplasia (Cdpa)		1	100.00%	0		0	
Patella		922	94.66%	0		52	5.34% CHIC required
Pyruvate Kinase Deficiency		70	100.00%	0		0	
Baer Hearing Test		1	100.00%	0		0	

Hip percentages by rating with trendlines



Percent submitted to the open registry

Hips

Report year	Cases	Excellent %	Good %	Fair %	Borderline %	Mild %	Moderate %	Severe %
1979	2	0	0	0	0	1 50.00%	1 50.00%	0
1986	3	0	1 33.33%	0	0	1 33.33%	1 33.33%	0
1987	6	0	1 16.67%	0	0	0	3 50.00%	2 33.33%
1988	6	0	3 50.00%	0	0	2 33.33%	1 16.67%	0
1990	7	0	0	1 14.29%	0	2 28.57%	2 28.57%	2 28.57%
1991	2	0	0	0	0	2 100.00%	0	0
1992	7	0	0	1 14.29%	0	4 57.14%	2 28.57%	0
1993	6	0	1 16.67%	1 16.67%	0	1 16.67%	3 50.00%	0
1994	3	0	1 33.33%	0	0	0	1 33.33%	1 33.33%
1995	5	0	1 20.00%	1 20.00%	1 20.00%	0	2 40.00%	0
1996	8	0	1 12.50%	2 25.00%	0	3 37.50%	2 25.00%	0
1997	26	0	6 23.08%	4 15.38%	0	9 34.62%	5 19.23%	2 7.69%
1998	26	0	3 11.54%	5 19.23%	0	11 42.31%	6 23.08%	1 3.85%
1999	44	0	9 20.00%	11 24.44%	1 2.22%	17 37.78%	6 13.33%	0
2000	23	0	1 4.35%	10 43.48%	0	7 30.43%	5 21.74%	0
2001	23	0	2 8.70%	9 39.13%	2 8.70%	5 21.74%	3 13.04%	2 8.70%
2002	25	0	1 4.00%	5 20.00%	1 4.00%	10 40.00%	7 28.00%	1 4.00%
2003	20	0	6 30.00%	8 40.00%	0	1 5.00%	4 20.00%	1 5.00%
2004	40	0	3 7.50%	7 17.50%	0	16 40.00%	12 30.00%	2 5.00%
2005	36	0	3 8.33%	7 19.44%	0	18 50.00%	6 16.67%	2 5.56%
2006	18	0	0	4 22.22%	0	6 33.33%	8 44.44%	0
2007	21	0	3 14.29%	7 33.33%	0	7 33.33%	2 9.52%	2 9.52%

Percent submitted to the open registry

Hips

Report year	Cases	Excellent %	Good %	Fair %	Borderline %	Mild %	Moderate %	Severe %
2008	14	0	3	0	0	6	5	0
	50.00%		21.43%			42.86%	35.71%	
2009	13	0	0	0	0	7	4	2
	69.23%					53.85%	30.77%	15.38%
2010	16	0	2	2	0	5	6	1
	43.75%		12.50%	12.50%		31.25%	37.50%	6.25%
2011	35	0	1	4	0	16	10	4
	71.43%		2.86%	11.43%		45.71%	28.57%	11.43%
2012	42	0	3	6	0	18	15	0
	78.57%		7.14%	14.29%		42.86%	35.71%	
2013	44	0	2	7	0	21	12	2
	70.45%		4.55%	15.91%		47.73%	27.27%	4.55%
2014	38	0	1	8	0	13	15	1
	60.53%		2.63%	21.05%		34.21%	39.47%	2.63%
2015	31	0	1	7	1	13	6	3
	74.19%		3.23%	22.58%	3.23%	41.94%	19.35%	9.68%
2016	50	0	5	6	0	25	13	1
	54.00%		10.00%	12.00%		50.00%	26.00%	2.00%
2017	44	0	6	9	0	17	11	1
	56.82%		13.64%	20.45%		38.64%	25.00%	2.27%
2018	67	1	6	4	1	30	22	3
	56.72%	1.49%	8.96%	5.97%	1.49%	44.78%	32.84%	4.48%
2019	77	0	5	10	2	36	22	2
	57.14%		6.49%	12.99%	2.60%	46.75%	28.57%	2.60%
Totals	833	1	83	147	9	331	223	39
		0.12%	9.95%	17.63%	1.08%	39.69%	26.74%	4.68%

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	2			
		50.00%	50.00%			
1999	5		3		1	1
			60.00%		20.00%	20.00%
2000	6	4	1	1		
		66.67%	16.67%	16.67%		
2001	9	3	3	3		
		33.33%	33.33%	33.33%		
2002	4	2	2			
		50.00%	50.00%			
2003	4	3	1			
		75.00%	25.00%			
2004	17	5	6	6		
		29.41%	35.29%	35.29%		
2005	13	4	4	5		
		30.77%	30.77%	38.46%		
2006	8	3	1	3	1	
		37.50%	12.50%	37.50%	12.50%	
2007	10	4	4	2		
		40.00%	40.00%	20.00%		
2008	8	4	3	1		
		50.00%	37.50%	12.50%		
2009	4	3	1			
		75.00%	25.00%			
2010	10	10				
		100.00%				
2011	6	6				
		100.00%				
2012	15	13	1	1		
		86.67%	6.67%	6.67%		
2013	12	9	2	1		
		75.00%	16.67%	8.33%		
2014	14	7	6	1		
		50.00%	42.86%	7.14%		
2015	5	4	1			
		80.00%	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%			
2018	25	16 64.00%	8 32.00%	1 4.00%		
2019	14	13 92.86%	1 7.14%			
Totals	226	140 61.95%	55 24.34%	27 11.95%	3 1.33%	1 0.44%

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>
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Pug							
	2016	4	4	100.0			
	2017	6	6	100.0			
	2018	6	6	100.0			
	2019	17	17	100.0			
	Totals	33	33	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>
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Pug							
	2009	1	1	100.0			
	Totals	1	1	100.0			

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>
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Pug							
	1999	1	1	100.0			
	2003	2	2	100.0			
	2004	5	5	100.0			
	2005	4	4	100.0			
	2006	4	4	100.0			
	2007	4	4	100.0			
	2008	9	9	100.0			
	2009	12	12	100.0			
	2010	18	18	100.0			
	2011	27	27	100.0			
	2012	12	12	100.0			
	2013	30	30	100.0			
	2014	23	23	100.0			
	2015	17	17	100.0			
	2016	32	32	100.0			
	2017	44	44	100.0			
	2018	41	41	100.0			
	2019	105	105	100.0			
	Totals	390	390	100.0			

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>
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Pug							
	2019	1	1	100.0			
	Totals	1	1	100.0			

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>
Pug							
2019	1	1	100.0				
Totals	1	1	100.0				

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>
Pug							
2009	5	3	60.0			2	40.0
2010	20	13	65.0	1	5.0	6	30.0
2011	45	29	64.4	3	6.7	13	28.9
2012	61	39	63.9	6	9.8	16	26.2
2013	44	23	52.3	6	13.6	15	34.1
2014	64	37	57.8	9	14.1	18	28.1
2015	74	40	54.1	9	12.2	25	33.8
2016	94	47	50.0	15	16.0	32	34.0
2017	81	39	48.2	8	9.9	34	42.0
2018	69	36	52.2	11	15.9	22	31.9
2019	79	35	44.3	13	16.5	31	39.2
Totals	636	341	53.6	81	12.7	214	33.7

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>
Pug							
2016	11	11	100.0				
2018	6	6	100.0				
2019	6	6	100.0				
Totals	23	23	100.0				

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>
Pug							
2012	1	1	100.0				
2013	28	10	35.7	3	10.7	15	53.6
2014	29	15	51.7	2	6.9	12	41.4
2015	27	15	55.6	2	7.4	10	37.0
2016	41	26	63.4	1	2.4	14	34.2
2017	36	24	66.7			12	33.3
2018	60	13	21.7	3	5.0	44	73.3
2019	149	41	27.5	1	0.7	107	71.8
Totals	371	145	39.1	12	3.2	214	57.7

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>
Pug							
2003	1	1	100.0				
2004	1	1	100.0				
2005	35	35	100.0				
2006	1	1	100.0				
2008	1	1	100.0				
2009	3	3	100.0				
2010	4	4	100.0				
2011	1			1	100.0		
2012	2	2	100.0				
2013	3	3	100.0				
2014	12	12	100.0				
2015	5	5	100.0				
2016	11	11	100.0				
2017	13	13	100.0				
2018	25	25	100.0				
2019	28	28	100.0				
Totals	146	145	99.3	1	0.7		

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>
Pug							
2010	1					1	100.0
2011	174	137	78.7	2	1.2	35	20.1
2012	44	31	70.5	3	6.8	10	22.7
2013	56	43	76.8	1	1.8	12	21.4
2014	35	26	74.3			9	25.7
2015	64	46	71.9			18	28.1
2016	46	31	67.4			15	32.6
2017	40	35	87.5			5	12.5
2018	59	47	79.7			12	20.3
2019	85	59	69.4	1	1.2	25	29.4
Totals	604	455	75.3	7	1.2	142	23.5

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>
Pug							
1994	1	1	100.0				
1995	2	2	100.0				
1996	7	5	71.4	2	28.6		
1997	16	13	81.3	3	18.8		
1998	22	21	95.5	1	4.6		
1999	11	11	100.0				
2000	26	25	96.2	1	3.9		
2001	19	18	94.7	1	5.3		
2002	32	32	100.0				
2003	21	19	90.5	2	9.5		

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>
2004	56	49	87.5	7	12.5		
2005	37	35	94.6	2	5.4		
2006	23	19	82.6	4	17.4		
2007	18	17	94.4	1	5.6		
2008	18	18	100.0				
2009	22	22	100.0				
2010	34	33	97.1	1	2.9		
2011	46	45	97.8	1	2.2		
2012	48	47	97.9	1	2.1		
2013	73	70	95.9	3	4.1		
2014	63	60	95.2	3	4.8		
2015	53	51	96.2	2	3.8		
2016	78	73	93.6	5	6.4		
2017	92	91	98.9	1	1.1		
2018	83	75	90.4	8	9.6		
2019	159	153	96.2	6	3.8		
Totals	1060	1005	94.8	55	5.2		

Phosphofructokinase Deficiency

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>		
Pug							
2019	1	1	100.0				
Totals	1	1	100.0				

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>
Pug							
2013	1					1	100.0
2018	4	4	100.0				
2019	5	5	100.0				
Totals	10	9	90.0			1	10.0

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>
Pug							
2014	6	6	100.0				
2015	8	8	100.0				
2016	5	5	100.0				
2017	15	15	100.0				
2018	25	25	100.0				
2019	29	29	100.0				
Totals	88	88	100.0				

Serum Bile Acid

<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>
Pug							
2016	2	2	100.0				
Totals	2	2	100.0				

Shoulder

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>
Pug					
2016	1	1	100.0		
Totals	1	1	100.0		

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>
Pug							
1998	1					1	100.0
2001	2	1	50.0			1	50.0
2002	2	1	50.0			1	50.0
2003	2	2	100.0				
2004	4	3	75.0			1	25.0
2005	2	2	100.0				
2006	5	5	100.0				
2008	2	2	100.0				
2011	4	3	75.0			1	25.0
2012	2	2	100.0				
2013	2	1	50.0			1	50.0
2015	2	2	100.0				
2016	1	1	100.0				
2017	4	2	50.0	1	25.0	1	25.0
2018	3	1	33.3			2	66.7
2019	1					1	100.0
Totals	39	28	71.8	1	2.6	10	25.6

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>
Pug							
2012	1	1	100.0				
2016	3	3	100.0				
2017	1	1	100.0				
2018	9	8	88.9	1	11.1		
2019	18	12	66.7	6	33.3		
Totals	32	25	78.1	7	21.9		