

Norwegian Leonberger Club 2014 Report.

NLBK has a new board with some new people and a few already existing.

There has been quite a bit of turbulence in the club this year but we are hoping things are settling down.

Show news

The club has held five special shows from the North to the South

We have organized an annual 3 days show for all breeds where all groups are represented enabling a good income for the club.

It was held water training with a test in southern Norway in the summer of 2014 ??

Kari Strædet ??

The total number of dogs registered with the NKK are going down. Still there are few new breeders and some of our older breeders have stopped breeding which we can only see as being a problem in Norway.

Members/Club information

Membership at the end of the year was approximately 385 members.

The club continues to have relatively strong accounts which is thanks to the shows that we arrange. Thankfully with our accounts so strong we can organise courses for our owners to attend. It also allows us to refund the veterinarian costs for the LPN blood samples.

NLBK are almost finished working on R.A.S (Specific Breeding Strategy). This will hopefully encourage breeders to work with new goals over the next 5 years. These goals need to be developed together so that everyone knows which goals we can live with and those with which we need to breed against.

We have also attached a Health Questionnaire on our homepage for people to complete, to enable us to understand the health on our Leos. We received 177 questionnaires back and once we have collated the information we will issue these results to the union health committee as soon as the date is available.

fra her !!

The breed's population

Population size

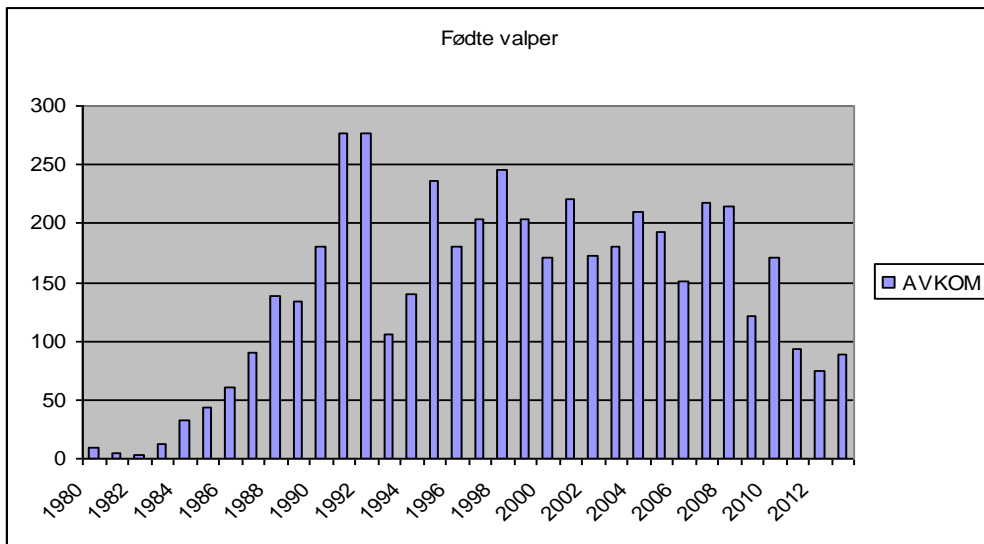
Today there are approximately 548 Leonbergers in Norway. A total of 6389 Leonbergers have been registered in Norway since 1980.

The last 5 years

År	Antall født	Ant kull	Ant tisper	Ant hanner	Ant importer
2009	122	19	64	58	13
2010	171	28	81	90	13
2011	93	14	44	49	14
2012	74	10	40	34	20
2013	88	14	43	45	9

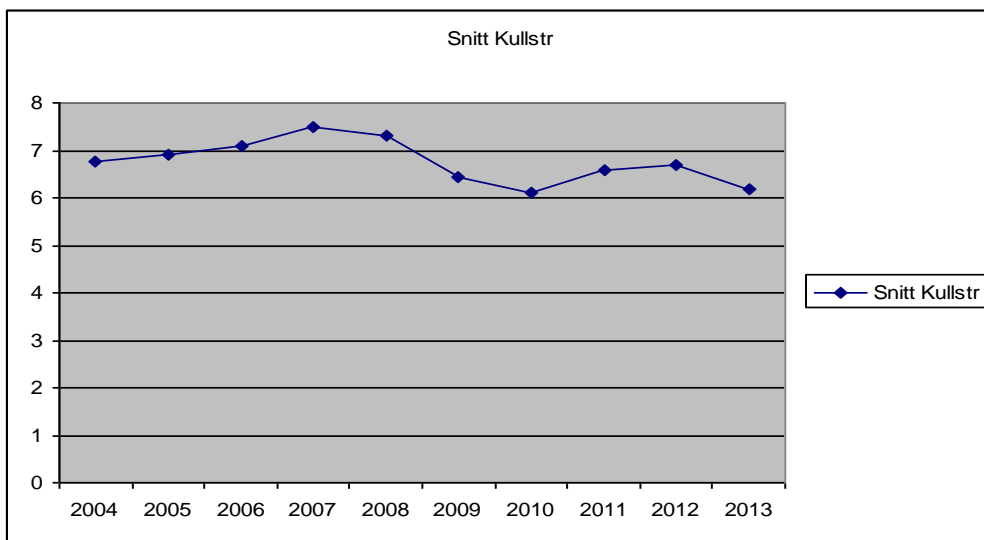
Development in registrations since 1980

The number of registered Leonbergers and active breeders has decreased the last few years.



Average litter size

Average litter size is somewhat stable, but has been sinking over time. The highest value registered was 7,5 in 2007, and the lowest 6,1 in 2010.



Effective population size

The table below shows the number of dogs used for breeding, born in 1996 – 2000, 2001 – 2005 and 2006 – 2010.

Registreringsår	Hanner	Tisper	Ne
1996 - 2000	58	79	133
2001 - 2005	60	72	130
2006 - 2010	31	35	65

The effective population size, Ne, is calculated using the following formula

$$Ne = 4 \times Nm \times Nf / Nm + Nf$$

Nm = number of males

Nf = number of females

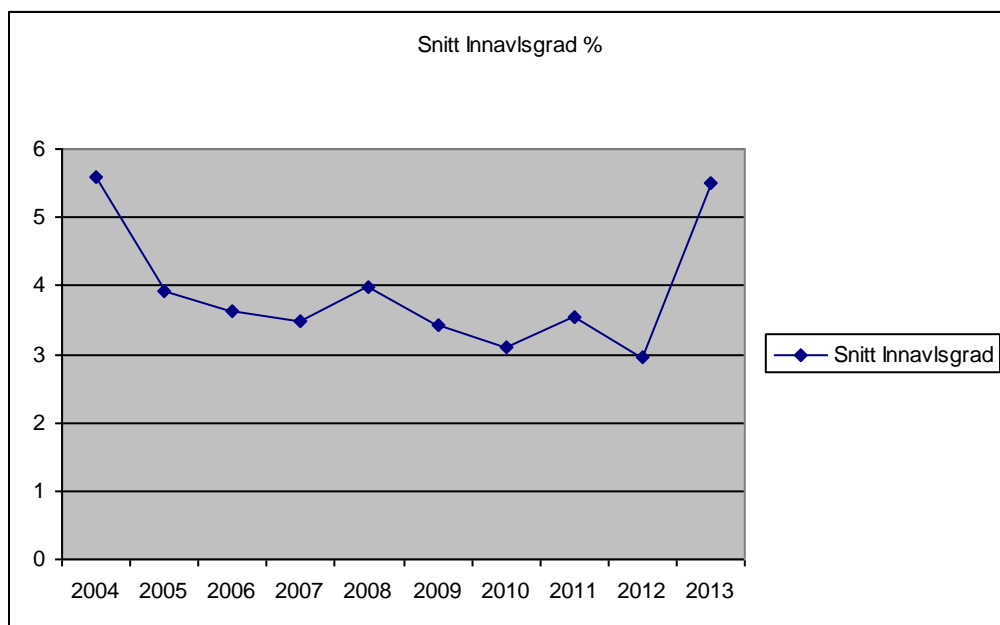
As seen from the table, the Leonberger's effective population size is sinking dramatically.

This way of calculating the effective population size does not consider the number of dogs today's population is descending from.

Inbreeding %

The degree of inbreeding is calculated from 5 generations where all the ancestors are known. For each puppy the degree of inbreeding is calculated. The sum of the degree for all the puppies is divided by the total number of puppies.

2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
5,59	3,93	3,64	3,49	3,97	3,43	3,11	3,55	2,96	5,51



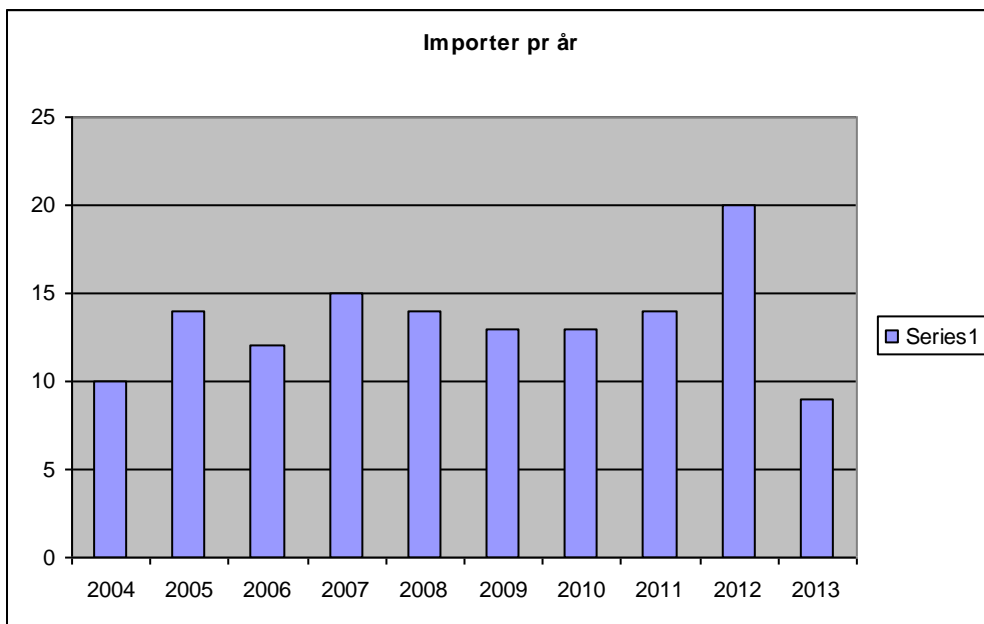
The use of breeding stock

A few years ago there was introduced a limitation as to how many offsprings an individual could have in Norway. The maximum limit was set to 5 % out of the born puppies the last 5 years. This has led to a positive progress. The overview shows dogs used in Norway, and the number of registered offsprings in Norway. In addition, the total number of grandchildren is registered also outside of Norway. This shows the significance each dog has had to the breed in total.

64 foreign Leonbergers have been used for breeding in Norway since 2004. This includes both male and female. In the years from 2004 – 2013, there was registered that one or both parents in 835 of 1534 puppies were not Norwegian. This is a substantial amount of foreign dogs. Most of these are from the Nordic countries.

Overview of imports registered in NKK.

We do not have an overview of how many dogs that are exported every year, but we do know that it is not uncommon to export one or more of the puppies from a litter.



Health

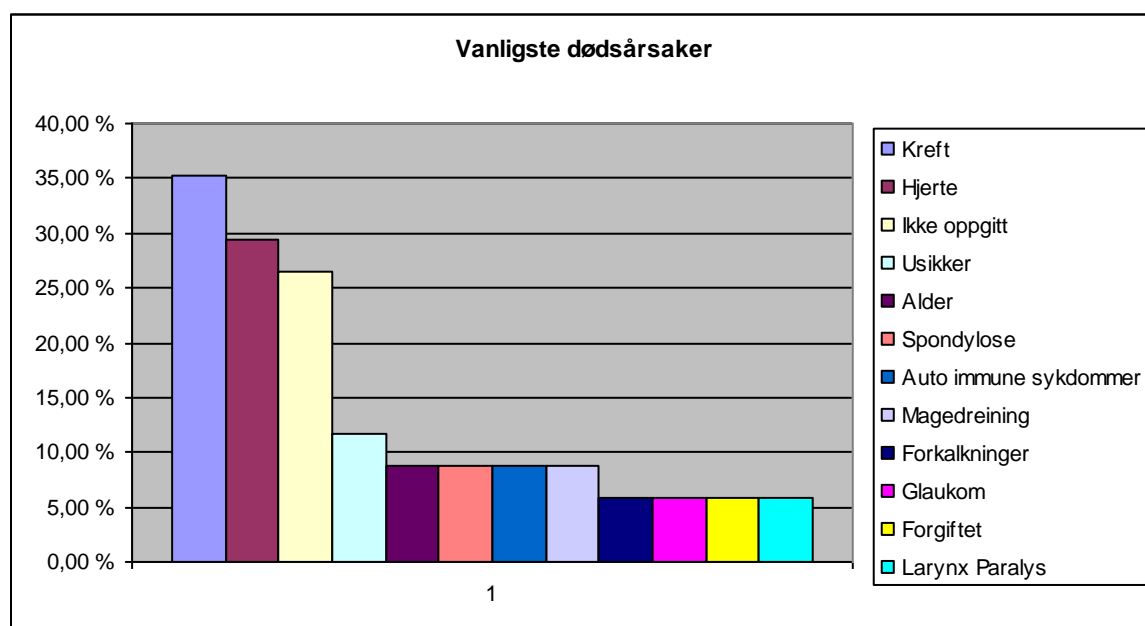
The statistics of HD, ED and eyes are based on the numbers registered in NKK's data register. Other health questions are collected from a questionnaire done amongst Norwegian Leonberger owners. 188 Norwegian owned dogs have so far been registered in the survey. An interesting element is how the owners perceive the dogs' health situation. 90,91 % perceive their Leonberger's health as good or very good.

Generell helse

Svært dårlig	4	2,14 %
Dårlig	1	0,53 %
Middels	12	6,42 %
God	41	21,93 %
Meget god	129	68,98 %

A general description of the breed's health

The Norwegian Leonberger Club has registrations for HD, ED and eye diseases. The registrations of HD started in ..., of AA in 1991 and of eyes ... In addition the club recommends breeding dogs to be tested for LPN1. As of today, the average life expectancy for the breed is 7,7 years. An overview of the breed's most common causes of death:



Occurrence of health problems, diseases and/or defects

HD-results

As of today there is a requirement to x-ray the hips after the age of 18 months to be accepted for breeding. The results of the x-ray have to be A or B.

Reg år	Reg	Ant rønget	Røntget %	Ant fri	Fri %	Ant svak	Svak %	Ant midd	Midd %	Ant sterk	Sterk %
2007	168	71	42,26 %	60	84,51 %	4	5,63 %	7	9,86 %	0	0,00 %
2008	229	89	38,86 %	78	87,64 %	7	7,87 %	3	3,37 %	1	1,12 %
2009	153	55	35,95 %	50	90,91 %	0	0,00 %	5	9,09 %	0	0,00 %
2010	137	58	42,34 %	51	87,93 %	4	6,90 %	3	5,17 %	0	0,00 %

2011 131 53 40,46 % 45 84,91 % 4 7,55 % 2 3,77 % 2 3,77 %

ED-results

Today there is a requirement for an x-ray of the elbows after the age of 12 months. To be accepted for breeding, the results need to be A or B. A result of C can also be used, but only if breed with a dog with an A- or B-result.

År	Reg	Ant Røntget	Røntget %	Ant fri	Fri %	Ant svak	Svak %	Ant midd	Midd %	Ant sterk	Sterk %
2007	168	65	38,69 %	63	96,92 %	1	1,54 %	0	0,00 %	1	1,54 %
2008	229	78	34,06 %	70	89,74 %	5	6,41 %	1	1,28 %	2	2,56 %
2009	153	46	30,07 %	40	86,96 %	4	8,70 %	0	0,00 %	2	4,35 %
2010	137	53	38,69 %	45	84,91 %	4	7,55 %	2	3,77 %	2	3,77 %
2011	131	51	38,93 %	47	92,16 %	3	5,88 %	1	1,96 %	0	0,00 %

Øyenlysning...

The club has a requirement for eye testing of all breeding dogs. The first one after 18 months, and again after the age of 4.

LPN1

68 test results have been received by the club. Sending in the results is voluntary.

Pr 23.09.2014

LPN1		LPN2	
N/N	62 91,18 %	12	92,31 %
D/N	6 8,82 %	1	7,69 %
D/D	0 0,00 %	0	0,00 %
SUM	68	13	

Other health issues where there are no breeding restrictions. The results below are from health forms filled in and sent in by owners. (A total of 188 dogs).

Skeletal health

132 owners report that their dog has no registered skeletal problems.

18 owners answer that their dog has spondylosis/changes in the spine... (This number is equal to the number of owners that report their dog registered with HD). These cases are distributed over several breeders and bloodlines.

3 owners answer spondylosis as cause of death.

Other skeletal problems reported are general sclerosis (3), knee problems (3) and Enostosis (3). Out of these, 2 have reported sclerosis as cause of death.

Skin

Some (39) report their dog having had hot spot once or more.

Digestive system

157 owners report their dog not having had any stomach problems. 9 report their dog having had diarrhea once or more.

7 report their dog having had a stomach torsion. 3 report this as the cause of death.
5 owners answer that their dog has a sensitive stomach.

Cancer

Cancer is the most common cause of death in Leonbergers. 22 report their dog having had cancer. 12 have answered cancer as the cause of death. The most frequent type is udder cancer and spleen cancer.

Heart

12 report their dog having had heart problems. 10 have answered this as cause of death..

Auto immune diseases

3 have reported their dog having auto immune diseases. The same amount has reported this as cause of death.

Dental situation

2,66 % report their dog missing teeth and 3,72 % report their dog having uncorrect bit

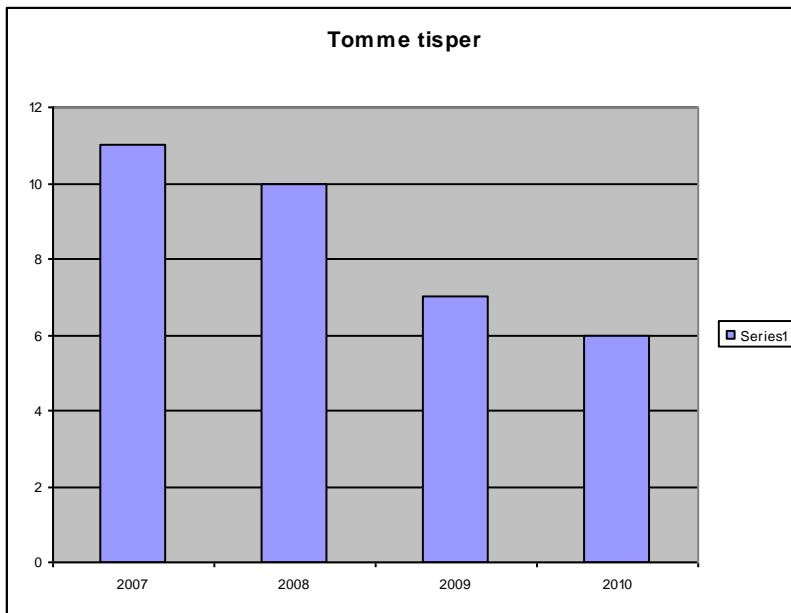
LP

There are reported 2 cases of LP (Larynx Paralysis). An equal number has reported this as cause of death.

Occurrence of reproductive problems

6 (3,19 %) have reported kryptochide males.

There is made statistics of bitches empty after mating from 2007 – 2010



We have no register of numbers of mating problems, birth difficulties or bitches' lacking ability to care for the puppies.

Temperament and «bruksegenskaper»

“Bruksprøver og mental testing”

There are no organized temperamental tests in Norway.

The Leonberger is one of the few breeds «godkjent for vannprøver». There is a growing interest for this.

Behavior

Behavioral problems

The owners' experience of their dogs' temper.

Gemytt

Dårlig	4	2,13 %
Middels	4	2,13 %
Bra	32	17,02 %
Svært bra	143	76,06 %
Ikke svart	5	2,66 %

Some years have passed since the last survey of the Leonberger's temperament and behavior.

None of the owners have reported temper as cause of death, but we do know that this occurs. 95,74 % of the dog owners answer that their dog's temperament is good or better.