

**Breeds for which PennHIP
Screening is Recommended**

Breed	Distraction Index Mean
Airedale Terrier	0.56
Akbash Dog	0.43
Akita	0.58
Alaskan Malamute	0.52
American Bulldog	0.54
American Cocker Spaniel	0.57
American Pit Bull Terrier	0.55
American Staffordshire Terrier	0.56
American Water Spaniel	0.50
Australian Cattle Dog	0.51
Australian Kelpie	0.50
Australian Shepherd	0.47
Basenji	0.47
Basset Hound	0.71
Beagle	0.51
Bearded Collie	0.58
Beauceron	0.44
Belgian Mastiff	0.56
Bernese Mountain Dog	0.54
Bichon Frise	0.63
Black Russian Terrier	0.57
Bloodhound	0.44
Border Collie	0.48
Border Terrier	0.59
Bouvier Des Flandres	0.53
Boxer	0.46
Boykin Spaniel	0.64
Braque de Bourbonnais	0.49
Briard	0.46
Brittany	0.53
Bullmastiff	0.49
Canaan Dog	0.46
Cane Corso	0.60
Cardigan Welsh Corgi	0.60
Catahoula Leopard Dog	0.55
Caucasian Ovcharka	0.64
Cavalier King Charles Spaniel	0.59
Chesapeake Bay Retriever	0.52
Chinese Shar Pei	0.54
Chinook	0.52
Chow Chow	0.69
Clumber Spaniel	0.72
Coton De Tulear	0.68
Curly-Coated Retriever	0.45
Dalmation	0.40

A higher distraction index indicates greater hip laxity and an increased risk of developing hip dysplasia with osteoarthritis.

There is a low risk of developing hip dysplasia with osteoarthritis when the distraction index is close to 0.30.

Doberman Pinscher	0.37
Dogo Argentino	0.59
Dogue De Bordeaux	0.67
Dutch Shepherd	0.43
English Bulldog	0.69
English Cocker Spaniel	0.56
English Foxhound	0.71
English Mastiff	0.50
English Pointer	0.49
English Setter	0.58
English Shepherd	0.50
English Springer Spaniel	0.50
Entlebucher Sennenhund	0.46
Estrela Mountain Dog	0.47
Field Spaniel	0.68
Fila Brasileiro	0.54
Flat-Coated Retriever	0.48
French Bulldog	0.71
German Shepherd	0.43
German Wirehaired Pointer	0.41
Giant Schnauzer	0.48
Glen of Imaal Terrier	0.63
Golden Retriever	0.55
Goldendoodle Cross	0.58
Gordon Setter	0.51
Great Dane	0.40
Great Pyrenees	0.48
Greater Swiss Mountain	0.52
Havanese	0.58
Icelandic Sheepdog	0.54
Irish Setter	0.46
Irish Water Spaniel	0.48
Kangal Dog	0.49
Karelian Bear Dog	0.57
Keeshond	0.55
Kerry Blue Terrier	0.43
King Shepherd	0.53
Komondor	0.48
Korean Jindo	0.46
Kuvasz	0.45
Lab-Golden Cross	0.43
Labradoodle Cross	0.53
Labrador Retriever	0.49
Leonberger	0.49
Llewellyn Setter	0.57
Miniature Australian Shepherd	0.47
Miniature Poodle	0.53
Neapolitan Mastiff	0.66
Newfoundland	0.58

Norwegian Elkhound	0.55
Nova Scotia Duck Tolling Retriever	0.51
Old English Sheepdog	0.52
Olde English Bulldogge	0.64
Pembroke Welsh Corgi	0.66
Perro De Presa Canario	0.59
Petite Basset Griffon Vendéen	0.63
Polish Lowland Sheepdog	0.63
Portuguese Water Dog	0.56
Puli	0.58
Rat Terrier	0.48
Rhodesian Ridgeback	0.35
Rottweiler	0.55
Saint Bernard	0.64
Samoyed	0.54
Shetland Sheepdog	0.53
Shiba Inu	0.53
Siberian Husky	0.46
Small Munsterlander	0.43
Smooth Fox Terrier	0.61
Soft-coated Wheaten Terrier	0.54
South African Boerboel Mastiff	0.54
Spanish Water Dog	0.59
Spinone Italiano	0.50
Staffordshire Bull Terrier	0.56
Standard Poodle	0.49
Standard Schnauzer	0.50
Swedish Vallhund	0.56
Tibetan Mastiff	0.50
Tibetan Terrier	0.54
Tosa	0.58
Toy Poodle	0.50
Vizsla	0.43
Weimaraner	0.41
Wlsh Springer Spaniel	0.50