Instrument and validated populations	Domains	Reported reliability and validity testing
American College of Veterinary Surgeons Canine Orthopedic Index (COI)[1] Canine Osteoarthritis	Stiffness Gait Function Quality of Life	Factor analysis, Cronbach's alpha, Inter-item correlations, Test-retest reliability, Responsiveness (Brown 2014, Brown 2014, Brown 2014)
Canine Brief Pain Inventory (CBPI)[2] Canine Osteoarthritis Canine Bone Cancer	Pain Severity Pain Interference with Function	Factor analysis (Brown, Boston et al. 2007, Walton, Cowderoy et al. 2013) Cronbach's alpha (Brown, Boston et al. 2007, Walton, Cowderoy et al. 2013) Inter-item correlations (Brown, Boston et al. 2007) Test-retest reliability (Brown, Boston et al. 2008) Convergent validity (Brown, Boston et al. 2007, Walton, Cowderoy et al. 2013) Extreme groups validation (Brown, Boston et al. 2007) Criterion assessment (Brown, Boston et al. 2013, Walton, Cowderoy et al. 2013) Responsiveness (Brown, Boston et al. 2008) Responder's analysis (Brown, Bell et al. 2013)
Helsinki Chronic Pain Index (HCPI)[3] Canine Osteoarthritis	Chronic Pain	Factor analysis (Hielm-Bjorkman, Rita et al. 2009, Walton, Cowderoy et al. 2013) Cronbach's alpha (Hielm-Bjorkman, Rita et al. 2009, Walton, Cowderoy et al. 2013) Test-retest reliability (Hielm-Bjorkman, Rita et al. 2009) Convergent validity (Hielm-Bjorkman, Tulamo et al. 2009, Walton, Cowderoy et al. 2013) Responsiveness (Hielm-Bjorkman, Rita et al. 2009)

[1] See: The ACVS Canine Orthopedic Index. https://www.vet.upenn.edu/research/clinical-trials-vcic/our-services/pennchart/canine-orthopedic-index (Accessed 25 June 2019)

[2] See: Canine Brief Pain Inventory (Canine BPI). https://www.vet.upenn.edu/research/clinical-trials-vcic/our-services/pennchart/cbpi-tool (Accessed 25 June 2019)

[3] See: Helsinki Chronic Pain Index (HCPI): https://www.tassuapu.fi/

Liverpool Osteoarthritis in Dogs (LOAD)[4] Canine Osteoarthritis	Mobility	Factor analysis (Walton, Cowderoy et al. 2013) Cronbach's alpha (Walton, Cowderoy et al. 2013) Test-retest reliability (Hercock, Pinchbeck et al. 2009) Convergent validity (Walton, Cowderoy et al. 2013) Criterion Validity (Hercock, Pinchbeck et al. 2009) Responsiveness (Hercock, Pinchbeck et al. 2009)
Canine Osteoarthritis Staging Tool (COAST) [5] Japanese Society of Small Animal Pain (Chronic Pain Assessment tool for dogs)[6]		(Cachon, Frykman et al. 2018)

[4] See: Liverpool Osteoarthritis in Dogs (LOAD): https://www.galliprantfordogs.com/vet/resources

[5] See: Canine Osteoarthritis Staging Tool (COAST): https://www.galliprantfordogs.com/vet/resources

[6] http://www.dourinken.com/download/pdf/itami_check2014.pdf#search='%E5%8B%95%E7%89%A9%E3%81%AE%E7%97%9B%E3%81%BF%E7%A0%94%E7%A9%B6%E4%BC%9A+%E6%85%A2%E6%80%A7%E7%96%BC%E7%97%9B'

Brown, D. C. (2014). "The Canine Orthopedic Index. Step 1: Devising the items." Vet Surg **43**(3): 232-240.
Brown, D. C. (2014). "The Canine Orthopedic Index. Step 2: Psychometric testing." Vet Surg **43**(3): 241-246.
Brown, D. C. (2014). "The Canine Orthopedic Index. Step 3: Responsiveness testing." Vet Surg **43**(3): 247-254.
Brown, D. C., M. Bell and L. Rhodes (2013). "Power of treatment success definitions when the Canine Brief Pain Inventory is used to evaluate carprofen treatment for the control of pain and inflammation in dogs with osteoarthritis." Am J Vet Res **74**(12): 1467-1473.
Brown, D. C., R. C. Boston, J. C. Coyne and J. T. Farrar (2007). "Development and psychometric testing of an instrument designed to measure chronic pain in dogs with osteoarthritis." Am J Vet Res **68**(6): 631-637.
Brown, D. C., R. C. Boston, J. C. Coyne and J. T. Farrar (2008). "Ability of the canine brief pain inventory to detect response to treatment in dogs with osteoarthritis." J Am Vet Med Assoc **233**(8): 1278-1283.
Brown, D. C., R. C. Boston and J. T. Farrar (2013). "Comparison of force plate gait analysis and owner assessment of pain using the Canine Brief Pain Inventory in dogs with osteoarthritis." J Vet Intern Med **27**(1): 22-30.
Cachon, T., O. Frykman, J. F. Innes, B. D. X. Lascelles, M. Okumura, P. Sousa, F. Staffieri, P. V. Steagall, B. Van Ryssen and C. D. Group (2018). "Face validity of a proposed tool for staging canine osteoarthritis: Canine OsteoArthritis Staging Tool (COAST)." Vet J **235**: 1-8.
Hercock, C. A., G. Pinchbeck, A. Giejda, P. D. Clegg and J. F. Innes (2009). "Validation of a client-based clinical metrology instrument for the evaluation of canine elbow osteoarthritis." J Small Anim Pract **50**(6): 266-271.
Hielm-Bjorkman, A., R. M. Tulamo, H. Salonen and M. Raekallio (2009). "Evaluating Complementary Therapies for Canine Osteoarthritis Part I: Green-lipped Mussel (Perna canaliculus)." Evid Based Complement Alternat Med **6**(3): 365-373.
Hielm-Bjorkman, A. K., H. Rita and R. M. Tulamo (2009). "Psychometric testing of the Helsinki chronic pain index by completion of a questionnaire in Finnish by owners of dogs with chronic signs of pain caused by osteoarthritis." Am J Vet Res **70**(6): 727-734.
Walton, M. B., E. Cowderoy, D. Lascelles and J. F. Innes (2013). "Evaluation of construct and criterion validity for the 'Liverpool Osteoarthritis in Dogs' (LOAD) clinical metrology instrument and comparison to two other instruments." PLoS One **8**(3): e58125.