



## MASTER CLASS:

# How Big Data is Transforming Chiropractic

June 4, 2020

Greg Kawchuk

### References

Kawchuk, G., Hartvigsen, J., Innes, S. et al. The use of internet analytics by a Canadian provincial chiropractic regulator to monitor, evaluate and remediate misleading claims regarding specific health conditions, pregnancy, and COVID-19. *Chiropr Man Therap* 28, 24 (2020). <https://doi.org/10.1186/s12998-020-00314-9>

Kawchuk, G.N., Guan, R., Keen, C. et al. Using artificial intelligence algorithms to identify existing knowledge within the back pain literature. *Eur Spine J* (2020). <https://doi.org/10.1007/s00586-020-06447-y>

Kawchuk GN, Hartvigsen J, Harsted S, Nim C, Nyiro L. Misinformation about spinal manipulation and boosting immunity: an analysis of twitter activity during the COVID-19 crisis. Accepted for publication. *Chiropr Man Therap* (2020).

[https://painmanagementalliance.org/wp/wp-content/uploads/2020/05/AACIPM\\_Symposium\\_May13\\_Value-Based\\_Care.pdf](https://painmanagementalliance.org/wp/wp-content/uploads/2020/05/AACIPM_Symposium_May13_Value-Based_Care.pdf)

<https://www.nationalacademies.org/event/12-04-2018/the-role-of-nonpharmacological-approaches-to-pain-management-a-workshop#sectionEventMaterials>

1. American Association of Orthopedic Surgeons. The burden of musculoskeletal diseases in the United States. Rosemount, IL: American Academy of Orthopedic Surgeons; 2008.

2. Expenditures and health status among adults with back and neck problems, *JAMA*. 2008; 299(6):656–664.

3. Elton D. The distribution and analysis of annualized claims data for more than 3.7 million commercial health plan members. Data retrieved from the UnitedHealthcare national commercial claims database, July 1, 2013–June 30, 2014. November 10, 2014.

AI Tools for Searching Spine Corpus, [rehabresearch.ualberta.ca/word2vecLBP](http://rehabresearch.ualberta.ca/word2vecLBP)

